Self Study Report

NAAC Accreditation

PART-1

Doon University, Dehradun

P.O. Ajabpur, Mothrowala Road
Kedarpur, Dehradun-248001
Ph-0135-2533115
email- ardoonuniversity@gmail.com

PART-1

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NAAC Accreditation-2015

Submitted to

National Assessment And Accreditation Council

Bangalore

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Contents

PREFACE	1	
EXECUTIVE SUMMARY	2	6
PART -1 PROFILE OF THE UNIVERSITY	7	17
CRITERION- I (CURRICULAR ASPECTS)	18	31
1.1. Curriculum Design and Development	18	24
1.2. Academic Flexibility	24	29
1.3 Curriculum Enrichment:	29	30
1.4 Feedback System:	31	31
CRITERION –II (TEACHING, LEARNING AND EVALUATION)	32	51
2.1Student Enrolment and Profile	32	34
2.2. Catering to Student Diversity	34	36
2.3 Teaching-Learning Process	37	42
2.4. Teacher Quality:	42	45
2.5. Evaluation Process and Reforms	46	49
2.6. Student Performance and Learning Outcomes	49	51
CRITERIA III: (RESEARCH, CONSULTANCY AND EXTENSION)	52	117
3.1. Promotion of Research	52	60
3.2 Resource Mobilization for Research	60	69
3.3 Research Facilities:	69	71
3.4. Research Publications and Awards	71	110
3.5. Consultancy	110	112
3.6 Extension Activities and Institutional Social Responsibility (ISR)	112	116
3.7. Collaboration	116	117
CRITERIA IV- (INFRASTRUCTURE AND LEARNING RESOURCES)	118	136
4.1. Physical facilities	118	123
4.2. Library as Learning Resource	123	130
4.3. IT Infrastructure	130	135
4.4. Maintenence of Campus Facilities	135	136
CRITERIA- V (STUDENT SUPPORT AND PROGRESSION)	137	154
5.1. Student Mentoring and Support	137	146
5.2. Student Progression	146	150
5.3. Student Participation and Activities	150	154
CRITERIA VI: (GOVERNANCE, LEADERSHIP AND MANAGEMENT)	155	177
6.1. Institutional Vision and Leadership	155	165
6.2. Strategy Development and Deployment	165	171
6.3. Faculty Empowerment Strategies	171	173
6.4. Financial Management and Resource Mobilization	173	174
6.5. Internal Quality Assurance System	174	177
CRITERIA VII (INNOVATIONS AND BEST PRACTICES)	178	185
7.1. Innovations and Best Practices	178	180
7.2 Innovation	180	181
7.3 Best Practices	182	185

दून विश्वविद्यालय
मोथरोवाला रोड़, केदारपुर, पो.ओ. अजबपुर,
देहरादून- 248001 (उत्तराखण्ड) भारत

DOON UNIVERSITY
Mothrowala Road, Kedarpur, P.O. Ajabpur,
Dehradun- 248001(Uttarakhand) INDIA

Prof. (Dr.) V.K. Jain, *D.Phil. (Sussex U.K.)*
प्रो० वी. के. जैन
Vice Chancellor / कुलपति

No...../VC-DU/20
Dated: 31st December, 2015

Preface

It gives me immense pleasure to present the Self-Study Report (SSR) of Doon University, Dehradun to the National Assessment and Accreditation Council (NAAC), Bangalore for its first time assessment and accreditation. We have taken utmost care to prepare the report as per the NAAC guidelines given on its website. I feel honoured and privileged for having been given an opportunity to contribute my bit to the evolution of Doon University as an emerging centre of excellence in the field of higher education in the country. Established by the Government of Uttarakhand by the Act in 2005 and having started the academic programmes in the year 2009, it is matter of great pride for us that Doon University has been recognised under 12(B) of UGC Act in a short span of time mainly due to the dynamic leadership and total dedication of my predecessors- Prof. Girijesh Pant and Prof. Gajendra Singh. The University has taken extreme care in developing syllabi and Course content for its various programmes drawing upon the expertise and experience of eminent scholars and academicians. The University is aiming to expand the scope of programmes currently being offered by various schools with a focus on basic and applied research and teaching.

The University is making all efforts with the support of State Government to provide the necessary infrastructure and facilities to meet the requirement of increasing intake of students. The University has unique culture of providing a structured as well as informal way of continuous engagement of the students with the faculty and visiting eminent academicians and scientists.

As you go through the Self Assessment Report, you would notice that the University has grown steadily. We try our best to ensure that the University gets the best faculty for its various programmes and the students have the benefit of quality education. It would be my sincere endeavour that Doon University establishes a brand name for itself in the field of higher education.

Towards this end, I urge all the esteemed members of the statutory bodies and other well wishers of the University to join me in my efforts to make it a name to reckon with in teaching and research in years ahead.

I hope that the NAAC will accept our SSR and will arrange to send the peer team to visit our University campus soon.

(Prof. V.K. Jain)

Tel.:+91-135-2533102, Fax : 0135-2533110, 2533115, E-mail : doonvc@gmail.com

EXECUTIVE SUMMARY

ज्योतिर्वृणीत तमसो विजानन्"- from darkness towards the light of knowledge- the motto of the university reflects the commitment of the university to the community. Although the city of Dehradun has been known for its educational intuitions since colonial period, but to meet the need for a higher learning institution, Doon University is established on April 23, 2005 by the Uttarakhand Legislative Assembly under the Doon University Bill 2005 (Uttaranchal Adhiniyam Sankhaya 18 of 2005). It is a young vibrant non-affiliating university with His Excellency, Hon'ble Governor of Uttarakhand as the Chancellor of the university. Doon University with the schools of Environment & Natural Resources, Business, Communication, Design, humanities as well as science and technology offers a combination hard to find in the region. The university strives to focus on quality research and creating academic excellence.

Doon University campus spread in 55.0 acres is located in Dehradun - Mothrowala Road, at a distance around eight kilometers from the main city on the foothills of Shivalik range on the banks of river Rispana. Its lush green environment makes it one of the most beautiful universities in the country. It has a scenic campus with a state-of-art infrastructure, stunning architecture and a soothing environment makes it an ideal location for learning. The university was initially planned as a complete residential one however this was later changed in 2013, after which the students are being given to an option to become a day scholar as well. Separate hostels for girls and boys with single accommodation and modern facilities are provided.

The university has many playgrounds and a well maintained sports complex apart from this an indoor sports infrastructure is also near completion. These sports fields are used for cricket, football, badminton, basketball, table-tennis and other sports. The university participates in different Inter-university tournaments. The games between different schools of the university are also organized time to time.

In accordance with the provision in Section 5(1) of the Act, the Doon University envisions itself as a Centre of Excellence and set high standards for creation and dissemination of knowledge through teaching and research in the chosen areas of studies, both nationally and internationally. The vision is to create an excellent university in every possible aspect such as research, teaching and co-curricular activities. The objectives of the university include to create a community of eminent research scholars promoting high quality and multi-disciplinary research programmes, value based learning approach and to offer state of the art educational programmes. Future prospects of the university also involve creating excellent manpower for the country's development, improvement of the social and economic conditions of the people and their complete development.

The university has 8 constituent schools running respective under graduate, post graduate and doctoral degree programmes. These study centres include studies in physical sciences, social sciences, foreign languages, communication, management, designing, environment and natural resources and technology. The university's unique and distinguishing feature is that it offers 5 years integrated programmes in social sciences, communication, physical sciences and foreign languages. The university also offers diploma courses in foreign languages. It is compulsory to study environmental studies for the students of 1st year.

The courses are designed keeping in mind the current needs in the field. The university has large student diversity in every programme. The university follows a choice based credit system (CBCS) to the extent possible, which has been further improved by introduction of optional elective papers and internship projects. The university can boast off learned teaching/research professionals of high caliber who are extremely supportive, cooperative and maintain a friendly environment in the campus which is pertinent for improving performance of students.

The Central Library was established in 2009. The Library has two parts. One is Reading Section and another is the Text Book Section. Both sections combined have more than 9000 printed documents including textbooks, reference books, reports, yearbooks, manuals and case studies. The library also subscribes 56 print magazines/journals/newspapers out of which 17 are available in both print and electronic mode. The Library subscribes Science Direct through which readers can gain access to 106 online journals. Besides this, the Library provides its reader's access to OPAC, DELNET and INFLIBNET. The library is open to the university students, faculty and non-faculty members. The text book section of the Central Library consists of text-books of all the UG/PG courses covered by the different schools of the university.

The students are admitted on the basis of merit list from a national entrance test. The university follows UGC guidelines. Some of the scholarship programmes are also functional in the university under which some students have gone to countries like Germany, Japan and china. The university not just provides bookish knowledge rather teaches to relate the knowledge gain for the welfare of the society.

The examination and evaluation system of the university is improving year after year. It is a continuous system to ensure that the students are in regular touch of the course. The maximum marks for each exam is 100 which is divided into 3 parts i.e. the mid semester exams of 30 marks each, final semester exams of 50 marks each and 20 marks for internal assessments and assignments. The minimum criterion for the attendance to be eligible to appear for the exams is 75%.

University has been making determined efforts to support high quality education, research programmes, and various conferences and seminars that issue certificate to the students. The physical and IT infrastructure of the university is still under the process of growth and expansion, trying to cope

up with latest technology to benefit maximum students the campus is already Wi-Fi enabled.

The university has various committees that help in organized functioning and governance of the campus. Committees like gender sensitization, grievance redressal, anti- ragging committee etc provide healthy and safe environment for all.

The university is continuously moving towards the field of growth and development; it will surely be able to make its mark in the competitive globalized era. It is working well to transform educated youth as employable, to convert their talents in higher education into human resources and last but not the least to make them a better citizen and human being. There is hardly any doubt that the university will emerge as the strongest pillar of knowledge in favor of the society.

SWOT Analysis - Doon University

Strengths

- A clear, specific Vision and Mission drives the University.
- Manageable size, suitable for intimate, personalized learning environment
- Statutory bodies (University Court, Executive Council, Academic Council, Finance Committee etc) are well established and functional
- Granted UGC 2 (f) and 12 B recognition
- Collaboration with leading universities/ institutions at national & international level
- Dedicated staff, teachers; faculty drawn from across the country; adjunct/ visiting faculty from renowned institutions
- Semester and Credit based system in place
- Curriculum revision and continuous evaluation system in practice
- Market oriented innovative & unique academic programmes
- Student community drawn on the principle of merit based on All India Transparent selection process. Ideal student teacher ratio in place
- Located in State Capital and well connected by road, rail and air network
- An aesthetically designed campus, buildings and facilities in the scenic and lush green setting of Shivalik hills; clean, calm and ideal environment for high level studies and research
- Emphasis on research activities to enhance quality of teaching and research; several extra mural research funding projects being undertaken
- Academic activities adapted to the more recent socio-economic, technological trends
- Advanced Instruments/ Equipments available for teaching and research

Weaknesses

- Shortage of senior experienced faculties at the Prof. & Asso. Prof. level
- Considerable dependence on visiting and contractual faculties
- Inadequate teaching staff positions sanctioned – difficulties in consolidation, expansion in starting new programmes
- No sanctioned positions of technical staff- facing difficulties in operation and maintenance of laboratories/ studio.
- Lack of continuous improvement of human resources through a strategic staff development programme.
- Low proportion of Ph.D. holders among academic staff in some disciplines.
- Inadequate research and publications among faculty in some disciplines.
- Limited industry involvement in curriculum development, practical exposure and employment placement.
- Temporary make shift laboratories for teaching & research
- Inadequate library facilities thus limiting the desired academic development
- Inadequate residential facility for student community, staff
- Inadequate public transport facilities after normal working hours.
- Lack of land for future expansion of the campus
- Lack of auditorium and proper central facilities like cafeteria, medical facility

Opportunities

- Respond to increasing demand of Quality and Professional Higher Education- become a global partner- internalization of activities, specially regionally, including enrolment of international students.
- Transform into a Research and Innovation based University-conduct research on specific/ emerging problems and issues
- Strategic positioning of the university by organizing international seminars, executive development programmes in the context of globalization.
- Optimum utilization of infrastructure, expertise (consultancy and research potential) to generate additional sources of revenue.
- Develop and offer new innovative, employment oriented programs in collaboration with institutions of repute.
- Exploitation of multilingual assets to become a regional multilingual

centre.

- Prepare skilled and competent manpower to satisfy the Industrial and societal needs through ICT and Strong Communicative Skills
- Establish Central Advanced Instrumentation Facility which is accessible by students, researchers for high end research at the state and regional level. clients
- Transform the existing credit based system into Choice Based Credit System
- Strengthen Quality Assurance Systems / Measures
- Develop and use Enterprise Resource Planning (ERP) for the planning and management of the University.

Threats

- Proliferation of higher education providers offering programmes in the similar domains/ disciplines- challenge of creating and maintaining high quality and excellence of educational programmes.
- Lack of administrative, financial autonomy to the university to take decisions for its growth, development and expansion which results into slow growth and progress- impacting the credibility.

PROFILE OF THE UNIVERSITY

1. Name and Address of the University:

Name:	**DOON UNIVERSITY** Mothrowala Road, Kedarpur, P.O. Ajabpur, Dehradun-248001	
Address:		
City: Dehradun	**Pin:** 248001	**State:** Uttarakhand
Website:	www.doonuniversity.org	

2. For communication :

Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Vice Chancellor	Prof.Vinod Kumar Jain	**O:** 0135-2533102, 114 **R:** 0135-2532013	+91-8755244111	0135-2533110	vcdoon@gmail.com
Pro Vice Chancellor (s)	N.A	**O:** **R:**			
Registrar	Dr. Brij Mohan Harbola	**O:** 0135- 2533136, 137 **R:**0135-2532005	+91-9760696555	0135-2533115	registrardoon@gmail.com
Steering Committee / IQAC Co-ordinator	Prof. Kusum Arunachalam	**O:** 0135-2533127	+91-9411113894	0135-2533115	kusumdoon@gmail.com

3. Status of the University:

State University	√
State Private University	
Central University	
University under Section 3 of UGC (Deemed University)	
Institution of National Importance	
Any other (please specify)	

4. Type of University:

Unitary √

Affiliating

5. Source of funding:

Central Government	
State Government	√
Self-financing	
Any other (please specify)	

6.a. Date of establishment of the university: 26-04-2005

b. Prior to the establishment of the university, was it a/an

i. PG Centre Yes ☐ No ☑

ii. Affiliated College Yes ☐ No ☑

iii. Constituent College Yes ☐ No ☑

iv. Autonomous College Yes ☐ No ☑

v. Any other (please specify) ……

If yes, give the date of establishment …… (dd/mm/yyyy)

7.Date of recognition as a university by UGC or any other national agency:

	Under Section	dd	mm	yyyy	Remarks
i.	2f of UGC*	02	01	2007	
ii.	12B of UGC *	15	03	2011	
iii.	3 of UGC #				
iv.	Any other ^ (specify)				

* Enclose certificate of recognition.

Enclose notification of MHRD and UGC for all courses / programmes / campus/ campuses.

^ Enclose certificate of recognition by any other national agency/agencies, if any.

8. Has the university been recognized

a. By UGC as a University with Potential for Excellence?

Yes [ ] No [√]

If yes, date of recognition : …… (dd/mm/yyyy)

b. For its performance by any other governmental agency?

Yes [No] √ [ ]

If yes, Name of the agency …… and

date of recognition: …… (dd/mm/yyyy)

9. Does the university have off-campus centres?

Yes [No] √ [ ]

If yes, date of establishment : …… (dd/mm/yyyy)

date of recognition : …… (dd/mm/yyyy)

10. Does the university have off-shore campuses?

Yes [ ] No [√]

If yes, date of establishment: …… (dd/mm/yyyy)

date of recognition : …… (dd/mm/yyyy)

11. Location of the campus and area:

	Location *	Campus area in acres	Built up area in sq. mts
i. Main campus area	Kedarpur (Semi Urban)	55 Acres (Land area)	46122 sq. mts
ii. Other campuses in the country	NA	NA	NA
iii. Campuses abroad	NA	NA	NA

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, Any other (please specify)
If the university has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

12. Provide information on the following: In case of multi-campus University, please provide campus-wise information.

• Auditorium/seminar complex with infrastructural facilities	**Senate Hall (200 capacity)**
• Sports facilities	**Cricket/ Football, Basket Ball, Volley Ball**
∗ playground	**No**
∗ swimming pool	**In Boys and Girls Hostel**
∗ Gymnasium	
∗ Any other (please specify)	**Lawn Tennis, Table Tennis, A multipurpose Indoor Sports Complex is under construction with Badminton, Table Tennis and Squash Courts**
• Hostel	
∗ Boys' hostel	**01**
i. Number of hostels	**221**
ii. Number of inmates	**Mess Kitchen, Wi-Fi Connectivity, Computer Centre, Student Room, Common Room, Reception, visitors Room, Gym, Badminton, First Aid , 24 hours Security , Solar Water Heating System, TV Entertainment, Newspaper, Magazine, CCTV ,Parking, Open Seating Lodge, Parking,**
iii. Facilities	
iv. ∗ Girls' hostel	
i. Number of hostels	**01**
ii. Number of inmates	**278**
iii. Facilities	**Mess Kitchen, Wi-Fi Connectivity, Computer Centre, Common Room, Student Room, Reception, Visitors Room, Gym, Badminton, First Aid , 24 hours Security , Solar Water Heating System, TV Entertainment, Newspaper, Magazine, CCTV, Parking, Open Seating Lodge, Parking,**
∗ Working women's hostel	**No**
Residential facilities for faculty and non-teaching Cafeteria	**Yes**
• Health centre – Nature of facilities available – inpatient, outpatient, ambulance, emergency care facility, etc.	**Yes** **ambulance, outpatient,**

- Facilities like banking, post office, book shops, etc. — **post office, banking & Stationary shop**
- Transport facilities to cater to the needs of the students and staff — **No**
- Facilities for persons with disabilities — **Ramps**
- Animal house — **No**
- Incinerator for laboratories — **No**
- Power house — **33 KVA & 11 KVA**
- Waste management facility — **YES**

13. Number of institutions affiliated to the university

	TOTAL	PERMANENT	Temporary
Arts, Science and Commerce	NA		
Law	NA		
Medicine	NA		
Engineering	NA		
Education	NA		
Management	NA		
Other Specify and Provide details			

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University

Yes ☐ No ☑

5. Furnish the following information:

Particulars	Number	Number of Students
a. University Departments	Schools (8)	
Undergraduate	7 Schools	883

Post graduate	7 Schools	380
Research degree	4 Schools	61
Research centres on the campus	1 Center for Public Policy	4
Constituent colleges		
Affiliated colleges		
Colleges under 2(f)		
Colleges under 2(f) and 12B		
NAAC accredited colleges		
Colleges with Potential for Excellence (UGC)		
Autonomous colleges		
Colleges with Postgraduate Departments		
Colleges with Research Departments		
University recognized Research Institutes/Centres		

16. Does the university conform to the specification of Degrees as enlisted by the UGC?

Yes [√] No [ ]

If the university uses any other nomenclatures, please specify.

17. Academic programmes offered by the university departments at present, under the following categories: (Enclose the list of academic programmes offered)

Programmes	Number
UG	1
PG	12
Integrated Masters	13
M.Phil.	01
Ph.D.	03
Integrated Ph.D.	
Certificate	05
Diploma	
PG Diploma	

Any other (please specify)	
Total	35

18. Number of working days during the last academic year 273

19. Number of teaching days during the past four academic years.

180	180	180	183

('Teaching days' means days on which classes were engaged. Examination days are not to be included)

20. Does the university have a department of Teacher Education?

Yes [ ] No [√]

If yes,
a. Year of establishment …… (dd/mm/yyyy)
b. NCTE recognition details (if applicable) Notification No.: ……
Date: …… (dd/mm/yyyy)
c. Is the department opting for assessment and accreditation separately?

Yes [ ] No [ ]

21. Does the university have a teaching department of Physical Education?

Yes [ ] No [√]

If yes,
a. Year of establishment …… (dd/mm/yyyy)
b. NCTE recognition details (if applicable) Notification No.: ……
Date: …… (dd/mm/yyyy)
c. Is the department opting for assessment and accreditation separately?

Yes [ ] No [√]

22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered?

NA

Yes [ ] No [√]

If yes, please enclose approval / recognition details issued by the statutory body governing the programme.

23. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon. Yes, University has been reviewed by UGC constituted expert committee for granting 12B status in 2011. As per the suggestions of the committee University has taken necessary appropriate action which are under consideration

24. Number of positions in the university

Positions	Teaching faculty			Non-teaching staff	Technical staff
	Professor	Associate Professor	Assistant Professor		
Sanctioned by the UGC / University / State Government	10	22	45	48	08
Recruited	01	03	23	06	0
Yet to recruit	09	19	22	42	08
Number of persons working on contract basis		02	22	46	08

25. Qualifications of the teaching staff

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.		01	04		14	05	24
M.Phil.					01	01	02
PG					03	10	13
Temporary teachers							
Ph.D.	01		01			01	03
M.Phil.							
PG	01		01		10	11	22
Part-time teachers							

Ph.D.							
M.Phil.							
PG							

26. Emeritus, Adjunct and Visiting Professors.

	Emeritus		Adjunct	Visiting
Number	0 2		07	02

27. Chairs instituted by the university:

Chairs NTPC (Chair) – Centre for Public Policy (CPP)
School/ Department – School of Social Sciences

28. Students enrolled in the university departments during the current academic year, with the following details:

Students	**UG**	**PG**	**Inte-grated Masters**	**M. Phil.**	**Ph.D.**	**Certifi-cate**	**Diploma**	**PG Diploma**
	***M *F**	***M *F**	***M *F**	***M *F**	***M *F**	***M *F**	***M *F**	***M *F**
From the state where the university is located	04 11	71 106	365 440	3 1	8 26	41 42		
From other states of India	01 01	50 37	103 74	0 0	18 09	19 15		
NRI students								
Foreign students					01 01			
Total	05 12	121 143	468 514	3 1	27 36	60 57		

*M - Male *F - Female

29. 'Unit cost' of education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component = Rs. 98046.5
(b) excluding the salary component = Rs. 44319.01

30. Academic Staff College - NA

- Year of establishment ……
- Number of programmes conducted (with duration)
  - UGC Orientation
  - UGC Refresher
  - University's own programmes

31. Does the university offer Distance Education Programmes (DEP)?

Yes ☐ No ☑

If yes, indicate the number of programmes offered.
Are they recognized by the Distance Education Council?

32. Does the university have a provision for external registration of students?

Yes ☐ No ☑

If yes, how many students avail of this provision annually?

33. Is the university applying for Accreditation or Re-Assessment? If Accreditation, name the cycle.

Accreditation : Cycle 1 ☑ Cycle 2 ☐ Cycle 3 ☐ Cycle 4 ☐

Re-Assessment:

34. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: …… (dd/mm/yyyy), Accreditation outcome/Result ……
Cycle 2: …… (dd/mm/yyyy), Accreditation outcome/Result ……

Cycle 3: …… (dd/mm/yyyy), Accreditation outcome/Result ……
Cycle 4: …… (dd/mm/yyyy), Accreditation outcome/Result ……
* Kindly enclose copy of accreditation certificate(s) and peer team report(s)

35. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university.

Not applicable

36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

IQAC **13 July, 2012**

AQAR
(i) …… (dd/mm/yyyy)
(ii) …… (dd/mm/yyyy)
(iii) …… (dd/mm/yyyy)
(iv) …… (dd/mm/yyyy)

First Cycle Accredidation

37. Any other relevant data, the university would like to include (not exceeding one page).

None

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Design and Development

- Established by the Government of Uttarakhand by Doon University Act, 2005 (Uttaranchal Adhiniyam Sankhaya 18 of 2005) and recognized under 12 (B) of UGC Act., the university aims at evolving into creating an autonomous and accountable institution of higher learning.
- It intends to impart socially and economically relevant education. It also aims to provide lead in frontier areas of research and pedagogy. Having a huge and challenging mandate, the university started its first academic session in August 2009 and has stood up to the challenges in a relatively short period of time.

1.1.1 How is the institutional vision and mission reflected in the academic programmes of the university?

The academic programmes of the university are reflective of the vision and the mission of the university as a Centre of Excellence. The university is setting high standards for creation and dissemination of knowledge through teaching and research in the chosen areas of studies, both in India and around the world. Thus the academic programmes of the university are oriented towards the following:

- Offer state-of-the-art educational programmes in cutting-edge disciplines of regional, national and international relevance.
- Student and learning-to-learn centered pedagogy supported by a community of eminent research-scholars.
- Value- based learning.
- Conduct high quality and multi-disciplinary research to push the boundaries of knowledge in the chosen areas.
- Provide a challenging and conducive environment for scholar-researchers to engage in pursuit of excellence.
- Leadership through collaborative educational ventures.

1.1.2 Does the university follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).

- Before launching an academic programme, each school/department has organized a brainstorming session with experts from academia and other relevant institutions. The details are thrashed out in view of the need and requirements of academia, industry and larger society. The outline for syllabus is thus evolved in consonance with the UGC guidelines.

- The same is further deliberated upon in the School Faculty Council (SFC) and Academic Advisory Board (AAC) comprising renowned external experts from academia and industry. (Each school has its own SFC and AAC. AAC comprises all faculty members of each department/school and representatives from academia, industry and other relevant institutions). In most schools SFC also comprises representation from senior students. After due deliberations in these forums, the syllabus is finally further discussed, analysed, relevant medications incorporated and approved by the Academic Council (AC).

Need Assessment:

- The need assessment as articulated in the Detailed Project Report (DPR) was prepared through consultative processes involving different stakeholders in academia, industry and relevant sectors. Based on this, nine schools viz., SENR, SoC, SoSS, SoM, SoL, SoT, SoPS, SoD and SoBS were determined. Accordingly, the establishment of the schools offering various academic programmes along with their areas of studies and intake of students were envisaged.
- The basic programme philosophy was to be research focused, benchmarked with global best and value based. Three levels of programmes namely, Doctoral, M.Phil (as an exit option for the PhD) and Masters level were proposed. In subsequent phases, integrated programmes involving undergraduate taught courses were to be introduced in order to incorporate new perceptions on needs articulated through different brainstorming processes.
- The initial brainstorming sessions and the AAC of each academic department having eminent external experts were organized. Some of their inputs were based exclusively on the requirements of the employment market in a rapidly changing and globalising world with emerging newer challenges.
- As per the norms of the university, the AAC of each department meets at regular intervals after each semester and extensively discusses the curriculum and adds the new required inputs, if any, to the existing courses. These recommendations go to the Academic Council (AC) which deliberates upon these recommendations and approves the required modifications/changes.
- Apart from this, all faculty members and senior students keep themselves updated with the new trends and developments as also new emerging areas of academic interest though national and international academic journals, seminars, conferences, interactions with the industry and other academic activities and give their input in SFC and AAC.
- Based on the analysis of the need mapping, new and relevant courses are added to the existing curriculum from time to time. Within existing courses, the content is further customized and updated as per the new trends and developments in the areas research and innovation.

Examples:

- An Integrated MSc in Economics and an integrated MA in Communication, in view of new and emerging trends, were launched in the year 2011 after the above mentioned exercises.
- School of Physical Sciences and School of Technology were established in 2015 and 2014 respectively after an analysis of the new requirements of market in particular and society in general.
- In School of Communication some of the courses were merged and new components added to launch specialization courses.
- In School of Environment and Natural Resources an M Tech in Environmental Technology was launched in 2013.

Feedback:

- The feedback towards curriculum is sought, from time to time, from SFC, AAC, alumni and through various meetings and sessions with representatives from industry, community and civil society.
- In some schools (for example in the School of Social Sciences) there is a practice of holding teachers-parents interactive sessions and the relevance of the courses, teaching methods, newer trends in academics and the relevance of the courses to market and society are also discussed.
- New foreign language courses at UG and PG level were introduced in the School of Languages in view of increasing demand and scope of foreign language experts, e.g., integrated MA in Japanese and French were launched in 2013 and 2014 respectively. In addition, a 2-Year MA in English was also introduced in 2014.
- In School of Languages, based on the need mapping, the students who had completed their UG programmes from other universities were allowed lateral entry in the masters programmes in Doon University after due clearance of the admission entrance test of the university.

1.1.3 How are the following aspects ensured through curriculum design and development?

∗ Employability

- Since the inputs from the industry, senior students, alumni, community and civil society are already incorporated at the initial brainstorming sessions and interactive meetings, the university's academic bodies such as AC, AAC and SFC, the content of the courses reflect the requirements of the existing international, national and local requirements.
- The courses are designed with due emphasis on practical work, project, field work, internships and discipline specific mandatory seminars. For example, in the School of Management, pertinent feedback is obtained from ONGC and BHEL in order to customize the curricula towards the need of the market. In the Department of Economics, the inputs from senior officials of Uttarakhand Service Commission, Punjab National Bank, HDFC, and Oriental Bank of Commerce were sought at the initial stage of brainstorming sessions

on proposed courses in actuarial economics. Consequent to these brainstorming sessions and incorporation of their inputs into the curriculum, a collaborative understanding has taken shape whereby some of these institutions have offered to provide internships to our students with a possibility of future employment.

- In the department of economics, the scope of employability is further enhanced by ensuring learning of software packages like SPSS, GRETL etc. integrated into learning of quantitative economics. There is about 50 percent focus on quantitative courses like statistics, mathematics, econometrics, environmental evaluation which are of late in great demand in the industry.
- Students are also supported in building soft skills through courses like communicative English, software skills as zero credit as well as credit courses offered in foreign languages and so on.
- In SENR, SoC and SoM, an 8-week internship with the industry or reputed professional institutions is mandatory after first academic year as part of the curriculum.
- In foreign languages, the courses on translation and interpretation are made integral to the curriculum in view of the ever growing market requirements for the same.

∗ Innovation

Following steps have been taken to ensure innovation while evolving curriculum:

- In professional courses entrepreneurship is encouraged.
- Adoption of semester system at PG and UG level in all courses and all programmes with 100% internal assessment mechanism comprising continuous (20%) and comprehensive evaluation.
- The university has introduced new and innovative progammes in emerging and viable areas. For example, a five year integrated M SC programme in economics with more applied courses are being introduced for the first time in the region. These courses include Energy Economics, Environmental Evaluation, Economics of Infrastructure, Economics of Regional Development, Financial Markets and Institutions, Game Theory and Applications. Some of these courses are offered only in Doon University in the Economics Curriculum. In the year 2013, the course titled Financial Markets and Institutions was introduced through E- Learning Programme facilitated by Prof. D. Jagannathan, a renowned corporate auditor of the country.
- The university also ensures the participation of academic community in social activities such as awareness programmes on social and ecological issues, involvement in disaster management such as landslides, floods as also social forestry, waste management, clean drinking water and clean environment etc.

- Evening classes in foreign languages have been introduced for general public in view of emerging demands. The classes are taken by the regular teaching faculty.
- In School of Languages, efforts are made to engage faculty native speakers of foreign languages. For example, in teaching of Chinese, Japanese and Spanish, the university has availed the services of native speaking faculty from time to time. Beginning February 2016, the university is going to have native speaking Japanese faculty supported by JICA.
- The M.Tech Programme in Environmental Technology in SENR has been introduced with financial assistance from UGC under Innovative Scheme.

∗ Research

- A course on Research Methodology is mandatory in all Ph D programmes. In addition, it is a compulsory course in most of the UG and PG programmes.
- To develop research potential of the students undertaking a research based project in some of the professional courses or a dissertation is mandatory in partial fulfillment for obtaining PG degrees in all courses and UG degree in some courses.
- In the department of economics, a course titled "Special Report" was also introduced in 2015 in order to encourage the students further for undertaking research activities.
- Students are encouraged to submit research papers and present their research at national/ international platforms. The university provides special assistance to teachers and students for seminars and other research-related academic activities.
- Faculty members are encouraged to undertake funded research projects from bodies such as ICSSR, UGC, DST, AICTE, ICAR, etc., and, this enables participation of students in active research.
- The university has allowed 50 percent of the overhead charges in research projects of the faculty members for their use in research and academic activities.

1.1.4 To what extent does the university use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the university been instrumental in leading any curricular reform which has created a national impact?

- The UGC guidelines and model curriculum serve as a basis for designing curriculum of all the courses of university.
- Since the academic programmes in the university commenced in 2009, all relevant inputs and guidelines from universities such as JNU, DU, GB Pant University, etc., were taken into consideration during designing of syllabus and the credit structure.

- The Ph D programmes were introduced in the university as per UGC Regulation 2009.
- The university has introduced a course on Environmental Studies at all UG level as per the directive of the Supreme Court of India.
- A course on Gender Studies has been introduced in some of the schools as part of the curriculum.
- The School of Management has used T-labs in Human Resource specialization.
- The nomenclatures of Degrees of some of the programmes have been modified. For example, BA and MA in Communication have been changed as BA (Media and Communication Studies) and MA (Media and Communication Studies) effective from Academic Session 2016-17.

1.1.5 Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefitted through interactions with the stakeholders?

- Apart from involving representatives from the above mentioned bodies at initial brainstorming sessions and at AAC, the university at regular intervals interacts with research bodies, civil society, industry and other sectors of market. The inputs from these interfaces have resulted in the enhancement, enrichment and the revision of the curriculum.
- The School of Management has regularly interacted with corporate giants such as BHEL and ONGC and these bodies have been instrumental in collaboration with the industry to involve in constant curriculum revision process.
- The School of Communication has been interacting with a very popular Community Radio Centre at Mussoorie where students have been doing regular shows on every Sunday. This initiative has resulted in honing professional skills of students and inclusion of these components in the syllabus.
- The recent initiative of the Department of Economics to introduce certificates, diplomas and B.Voc and M. Voc courses in Actuarial Economics, the department took active support from the Oriental Bank of Commerce(Corporate-Public), Punjab National Bank (Corporate-Public), HDFC Bank (Corporate-Private) and the Uttarakhand Service Commission (GoUk) to develop the courses, thus benefiting from active commitments from these institutions to recruit students as interns as well as employees as per their norms and conditions. The proposal for starting vocational degree programmes have been submitted to UGC.

1.1.6 Give details of how the university facilitates the introduction of new programmes of studies in its affiliated colleges.

The university has no affiliated colleges

1.1.7 Does the university encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances (not applicable for unitary universities).

Though the university does not have any affiliated colleges, in order to fulfill the regional needs, the university is planning to launch two certificate courses in two regional dialects, Kumaoni and Garhwali, as part of efforts towards cultural conservation in the region.

1.2 Academic Flexibility

1.2.1 Furnish the inventory for the following: ∗ Programmes taught on campus

A. Bachelor with Honours Programme (for the Students who have passed or are appearing in Intermediate Exams)

Sl	School & Programme of Study	Duration
1	a. B.Des (Bachelor of Design) (Self Financed) (New Programme)	Full time, 4 yrs

B. Integrated Masters Programmes (for the Students who have passed or are appearing in Intermediate Exams)

Students admitted to Integrated Masters Programme have option of exit after three years with Bachelor (Hons) Degree

Sl	School & Programme of Study	Duration
1	a. B.Sc. (Hons) Physics/ M.Sc. Integrated Physics	Full time, 3/5 yrs
	b. B.Sc. (Hons) Chemistry/ M.Sc. Integrated Chemistry	
	c. B.Sc. (Hons) Mathematics/ M.Sc. Integrated Mathematics	
	d. B.Sc. (Hons) Computer Science/ M.Sc. Integrated Computer Science	
2	a. B.A. Hons / M.A. (Integrated) Communication	Full time, 3/5 yrs
3	a. BBA/MBA (Integrated)	Full time, 3/5 yrs
4	a. B.A. Hons/ M.A Spanish (Integrated)	Full time, 3/5 yrs
	b. B.A. Hons / M.A German (Integrated)	
	c. B.A. Hons /M.A Chinese (Integrated)	
	d. B.A. Hons /M.A Japanese (Integrated)	
	e. B.A. Hons /M.A French (Integrated)	
5	a. B.Sc. Hons /M.Sc. Economics (Integrated)	Full time, 3/5 yrs
6	a. Bachelor/Master in Computer Application Integrated (B.C.A./M.C.A.) (Self Financed)	Full time, 3/5 yrs

Note: Admission at PG level of these programmes is based on CGPA criteria

C. P.G. Diploma, Masters Programmes (for the Students who have passed or are appearing in Bachelors Exams)

Sl	School & Programme of Study	Mode & Duration
1	a. M. Sc. Environmental Science	Full time, 2 yrs
	b. M. Sc. Environmental Science (specialisation in Natural Resource Management)	Full time, 2 yrs
	c. M.Tech. Environmental Technology	Full time, 2 yrs
2	School of Communication (SoC)	
	a. M.A. Communication	Full time, 2 yrs
3	a. MBA	Full time, 2 yrs
	b. Post-Graduate Diploma in Health and Hospital Management (*New Programme*) (Self Financed)	Full Time. 1 Year
4	a. M.A Spanish	Full time, 2 years
	b. M.A German	
	c. M.A Chinese	
	d. M.A English	
	e. M.A. Hindi *(New Programme)*	
	f. P.G. Diploma in Translation Studies *(New Programme)*	
5	a. M.A. Economics	Full time, 2 yrs
6	a. Integrated Masters in Library and Information Science	Full time, 2 yrs
7	a. M.Sc. Mathematics (*New Programme*) (Self Financed)	Full time, 2 yrs
	b. M.Sc. Physics (with specialization in Optoelectronics)	Full time, 2 yrs
8	a. P.G. Diploma in Security Management (Self Financed)	Full time, 1 yr

D. M.Phil and Ph.D. Programmes

Sl	School & Programme of Study	Mode & Duration
1	a. Ph.D. Environmental Science	Full time, 3/5 yrs
2	a. Ph.D. Communication	Full time, 3/5 yrs
3	a. Ph.D. Management	Full time, 3/5 yrs
4	a. M.Phil Economics	Full time, 2 yrs

E. Certificate Programmes (for the Students who have passed 10+2 level and other professionals/persons presently serving in Private/Government/Corporate Sector)

1	a. Certificate Programme in Spanish	Evening Classes, 1 year.
	b. Certificate Programme in German	
	c. Certificate Programme in Chinese	
	d. Certificate Programme in Japanese	
	e. Certificate Programme in French	

Note:

1. Students admitted to Integrated Masters Programme have option of exiting after three years with Bachelor (Hons) Degree.

∗Overseas programmes offered on campus

Not Applicable

∗Programmes available for colleges to choose from

Not Applicable

1.2.2 Give details on the following provisions with reference to academic flexibility

a. Core / Elective options

Students are encouraged to take add on courses in other schools and departments that may add value to their degree. In newly established schools the CBCS system is completely followed.

b. Enrichment courses

Courses like statistical packages, linguistic skills, research methodology etc are offered by different schools on a regular basis.

c. Courses offered in modular form

Some of the courses currently on offer by SoC are in modular form.

d. Credit accumulation and transfer facility

The university currently does not have credit accumulation and transfer facility.

e. Lateral and vertical mobility within and across programmes, courses and disciplines

The university currently does not have vertical mobility across programmes and courses. However, later entry and exit options are allowed in integrated programmes.

1.2.3 Does the university have an explicit policy and strategy for attracting international students?

- Yes, the university submitted a proposal to host UK students as part of the Generation UK-India programme on teaching two courses -- 1. *Yoga and Wellness* and 2. *Sustainable Livelihood, Cultural And Ecological Practices Of Himalayan Ecosystem Of Uttarakhand*. The first course, *Yoga and Wellness*

has been selected to be part of Generation UK-India Study placement 2016-2017 programme. As a result the university is expecting a contingent of students from UK to come and study at Doon University in coming summer. In this regard, the modalities of offering this course are being worked out with the British Council.

- The university has constituted a five-member foreign affairs committee which is looking at and working on strategies to attract more international students and suggest/evolve newer courses in this regard.
- The university has already signed an MoU with a German University for exchange of scholars.
- Some of the international students have already come and studied in the university in the past.

1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.

- As mentioned above two courses on *Yoga and Wellness* and *Sustainable Livelihood, Cultural and Ecological Practices of Himalayan Ecosystem* of Uttarakhand have been developed for international students. The first course has already been approved and the details of the logistics for stay of the UK students and the time schedule for delivery of course contents are going to be worked out with the British Council.

1.2.5 Does the university facilitate dual degree and twinning programmes? If yes, give details.

- No

1.2.6 Does the university offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

Yes the University is successfully running some self-financing programmes.

- In School of Management running a self-financed Integrated Masters's in Business administration.
- The School of Design is running B.Des. as part of self-financing progamme.
- School of Technologies is running Integrated MCA .
- Admission in all courses, in self-finance mode and otherwise, are strictly made on the basis of standard entrance examination.
- Teachers in the self-financed courses are required to fulfill the requirement of minimum qualification as per the UGC guidelines.

- Fee structure of the self-financing programmes is at par with the aided programmes.
- Teachers in the self-financed course are paid salaries as per the UGC guidelines. They are getting salaries at par with the regular contractual employees.
- University reserves the right to withdraw any programme if the situation so warrants.

1.2.7 Does the university provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If yes, give optional details.

Not Applicable

1.2.8 Has the university adopted the Choice Based Credit System (CBCS)? If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?

- The university has been following the CBCS system from beginning. However, owing to resource and other constraints, the choices for course are limited. The university is planning to do away with these constraints and implement CBCS fully in its content and spirit.
- The department of Physical Sciences has fully adopted the CBCS.
- The Department of Economics has adopted the course structure and credit distribution systems as proposed by CBCS. The syllabi of the core courses have also adopted the CBCS system. However, the specialization courses have their own syllabus as per the mandate of the Academic Advisory Board and the Academic Council.

1.2.9 What percentage of programmes offered by the university follow annual/ semester system?

All the programmes follow semester system

1.2.10 How does the university promote inter- disciplinary programmes? Name a few programmes and comment on their outcome.

- All schools offer the option to students to take a course of 2 credits outside their respective schools.
- SENR and SoC are by nature inter-disciplinary and the faculties are appointed accordingly for different specializations.

- A mandatory course on environment run by SENR is taken by all students of all schools at UG level.
- School of Design is teaching some courses on communication, which are taken by the faculty of SoC.
- SoC is offering some common courses for all schools on photography.
- SoM is offering a course on 'leadership' for students across schools.
- SoSS is offering a course on quantitative methods for students across all schools.
- Recently an entrepreneurship cell has been formed which promotes inter-disciplinary learning.

1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

- Based on the feedback from SFCs, Regular Academic Advisory Councils of each department/school sits to revise and enrich the curriculum which is further deliberated upon and approved/rejected by the Academic Council.
- Often every semester but at least once in a year.

1.3.2 During the last four years, how many new programmes at UG and PG levels were introduced? Give details.

- Since the university is relatively a new university which started academic programmes in 2009, all programmes, except MA in Communication, M Sc in Environmental Sciences and MBA, were introduced during last four years.

* Inter-disciplinary
* Programmes in emerging areas

1.3.3 What are the strategies adopted for the revision of the existing programmes? What percentage of courses underwent a syllabus revision?

- Almost all courses have gone through a syllabus revision process during last four years.

Faculty feedback

- All faculty members are members of the SFC and the AAC and therefore their feedback is integral to the syllabus formulation/revision process and is reflected in the deliberations of SFC and AAC meetings on the issue.

Student feedback

- In most departments/schools students are part of the SFC and their feedback is sought from time to time during the SFC deliberations. In the department of economics an election among students is conducted for students to be elected to be representatives of SFC.
- As a matter of university norm, senior students are generally encouraged to be part of the SFC.
- Apart from this, all students have been assigned faculty supervisors who interact with students, mentor them, take their feedback regarding curriculum and existing pedagogy, help them towards choosing career options and act as their guides in general. Thus during SFC meetings this feedback from supervisors related to curriculum gets reflected and incorporated in the deliberations

Industry feedback

- As has been mentioned above in detail, the feedback of the industry is sought from time to time through AAC and other discussions with respective departments initiate from time to time with the leaders from industry.
- Eminent experts from industry collaborating in the process
- Different schools and departments involve eminent experts from industry collaborating in the process.

1.3.4 What are the value-added courses offered by the university and how does the university ensure that all students have access to them.

- Foreign language courses are offered in French, German, Spanish, Chinese and Japanese to all students and evening classes are held for this purpose.

1.3.5 Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

The university has already submitted a proposal for B. Voc and M.Voc programmes in the following

- Actuarial Economics (SoSS)
- Renewable Energy Technology (SENR)
- Craft Design (SoD)
- Studio Design (SoD)
- Television Production (SoC)

Apart from this, the university is offering soft skill development programmes in *Basics of Computer Skills* and *Basics of English Communication*

1.4 Feedback System

1.4.1 Does the university have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

- As mentioned above, the students feedback' regarding the curriculum is sought through faculty supervisors and SFC meetings where students have representation.

1.4.2 Does the university elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.

- Most departments and schools, particular School of Languages, organizes workshops from time to time from national and international faculty, to obtain feedback on the curriculum.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.

- Not Applicable

1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the university in ensuring the effective development of the curricula?

The quality sustenance and quality enhancement measures undertaken by the university in ensuring the effective development of the curricula has been through academic advisory committees, IQAC and Academic Council, further more the regular student teacher interactions has also helped us in our aforementioned endeavor.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the university ensure publicity and transparency in the admission process?

The university's advertisement for admissions is given in one English national newspaper, one Hindi newspaper, and employment news and also on the university web page.

2.1.2 Explain in detail the process of admission put in place by the university. List the criteria for admission: (*e.g.*: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the university (please specify).

The admission to the Undergraduate, Integrated Post Graduate, Post Graduate and Research programmes is through an all India entrance test. The entrance test is widely publicized in national dailies, Employment newspaper and on the University's web-site. The merit of the candidates in the entrance test is the only factor which is taken into account for admissions, thus ensuring full transparency in the admission process. For Master in Business Administration (MBA) programme, the university is registered with All India Management Association (AIMA) for Management aptitude test (MAT score) for inviting qualified applicant for participation in GDPI. The admission process form applying to admission counselling/ registration is online along with optional offline registration facility. An applicant is required to register himself on the admission portal with a valid email id. The applicant is allotted a one-time password which has to be changed on first login. This eliminates the possibility of fake and bogus registration. The complete process of submission of application, payment of fee and generation of admit card/ centre allotment is online which ensures transparency, precision and efficiency. An applicant can apply from the convenience of his home and pay requisite fee through a number of payment options. The admit card for the test is made available on the web-portal minimizing the risk of loss-in-transit. The entrance test is conducted at a large number of centers in major cities of the country depending on minimum number of applicants appearing at a center. The candidate has to enter basic data about his background (urban/rural), caste, sex, family detail, education of parents, annual household income, etc.
50% students from Uttarakhand state get reservation in entrance examination as envisaged in Doon university act & Statute. Female applicants get horizontal 30% reservation in seat allotment. SC/ST and OBC candidates are given reservation in admissions as per Government of Uttarakhand guidelines

applicable from time to time. There is a horizontal reservation for persons with disabilities. There are schemes of financial support for the meritorious candidates belonging to the economically weaker section.

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same. –

Doon University is a unitary university in nature. Hence there is no affiliating college with Doon University.

2.1.4 Does the university have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process? –

Yes, the university has admission cum fee committee which supervises and reviews the admission process. Selection of parallel question paper setters and examination centre are under the purview of committee.

2.1.5 What are the strategies adopted to increase / improve access for students belonging to the following categories: (SC/ST, OBC, Women, Persons with varied disabilities, Economically weaker sections, Outstanding achievers in sports and other extracurricular activities)

Doon University is a state university and follows the state reservation rules for above mentioned categories. University provides the subsidized application form and 50% reduction in fee charges to SC/ ST students. Women have 30% horizontal reservation in entrance examination. It is worth mentioning that percentage of the Female students in overall enrolment in the university is more than the Male students.

2.1.6 Number of students admitted in university departments in the last four academic years:

Categories	Year1(2012-13)		Year 2(2013-14)		Year 3(2014-15)		Year 4(2015-16)	
	Male	**Female**	**Male**	**Female**	**Male**	**Female**	**Male**	**Female**
SC	04	07	04	12	17	11	15	07
ST	02	07	04	02	07	06	04	05
OBC	03	02	08	20	34	17	37	28
General	69	115	140	170	166	198	308	326
Total	78	131	156	204	224	232	364	365

2.1.7 Has the university conducted any analysis of demand ratio for the various programmes of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

Programmes	Number of Applications				Number of students admitted				Demand ratio			
Academic Year	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2012-13**	**2013-14**	**2014-15**	**2015-16**
UG (Design)	-	-	-	59	-	-	-	18	-	-	-	3.27
PG	150	265	329	351	68	131	141	134	2.2	2.0	2.3	2.61
Integrated Masters	245	382	583	919	115	212	291	432	2.1	1.8	2.0	2.12
M Phil	-	-	14	07	-	-	02	02	-	-	7.0	3.5
Ph D	15	143	251	126	4	16	22	15	3.75	8.9	11.4	8.4
Certificate	-	-	-	148	-	-	-	127	-	-	-	1.1

It does not have a particular decreasing or increasing trends.
School of Physical Sciences was started keeping in view the overcrowding of students in some colleges in the state of Uttarakhand.

2.1.8 Were any programmes discontinued/staggered by the university in the last four years? If yes, please specify the reasons.

No

2.2 Catering to Student Diversity

2.2.1 Does the university organize orientation / induction programme for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

The university has a very strong and highly structured induction orientation programme since commencement of the first academic programme in 2009 along with several other methodologies for catering to the diverse needs of its students. Immediately after the completion of the admission process, an

induction orientation under the Chairmanship of the Vice Chancellor is done separately for all fresh students admitted in each faculty. The purpose of this two- three day orientation programme is to not only welcome the newly admitted students but also to make them aware of the ethos, traditions, rich cultural and mountainous heritage of the State, besides giving detailed information of facilities, course programme, attendance examination and evaluation pattern, etc. University has developed the online student lifecycle module with individual log in ID where they can get access to most of their services and facility online. Students can see their attendance percentage as enhancing transparency in roll call system and mandatory maintenance of 75% attendance for completion of course exam. Each faculty of the University participates in the induction program for freshers of various programs. The duration of the program varies from two days to one week. The purpose of these programs is to acquaint the newcomers about faculty, faculty members, requisite skill-set for becoming a responsive student and a good citizen, besides orienting them with details of various course structures and combinations thereof, available options and requirements. Experts from academia/ research institute serve as resource person for these induction programs. Based on the feedback of students, faculty keeps on updating the content, coverage and duration of the induction programme.

The concept of student mentorship in the form of advisor is in place in the University, wherein a faculty member serves as the mentor for about 4-5 students. Every student is free to contact his / her advisor for any problem he/she faces with regard to his / her study. Advisor also acts as a coordinator for internship programme of concerned students.

2.2.2 Does the university have a mechanism through which the "differential requirements of the student population" are analysed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

University has provision of remedial and tutorial teaching practice to cater to the needs of students from diverse backgrounds. The soft skills and mathematical numeracy courses are the responsibility of the Social Empowerment Cell.

2.2.3 Does the university offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

Almost all schools offer remedial and Open Choice Courses (Audit Courses) for enrichment of students within School and for other schools as well. A few examples of such courses are: School of Language is offering courses on "India China relation through history" and "India after independence" for

other departments of SOL. Open choice course is meant for adding further value to the student's academic profile. Audit courses under this category are the courses which a student may opt under open choice category. It shall be open to the students of the department and also to the students from across the Schools, University wide.

Schools	SOL	SENR	SSS	SOM	SOC	SOD	SOT
Courses	(i) India since 1947 India China relation through history (ii) Chinese Language	Environmental Studies	(i) Quantitative Methods (ii) Econometrics (iii) Operation Research	(i) Leadership (ii) Business Communication	Photography	Graphics	Computer Literacy

2.2.4 Has the university conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?

University is yet to conduct a study on the academic growth of students from disadvantaged sections of society, although social empowerment cell organizes remedial classes and also takes feedback for improvement.

2.2.5 How does the university identify and respond to the learning needs of advanced learners?

Meeting out the learning needs of the advanced learners is of vital importance to achieve academic excellence. The students have an access to thousands of books and online journals. Further, free Internet access to students is provided through campus vide wifi, including in their hostel rooms and hostel computer rooms to access this resource of on-line subscription. University has put the mechanism in place to organize '**Friday Lecture Series'** where invited academician, professionals, and university faculty members present their work for upgrading others knowledge in that field. The seminar committee decides on the lecture program and selection of speakers. SENR and other doctoral students regularly organize weekly research seminar for their students by Research scholars and Faculty members.

2.3 Teaching-Learning Process

2.3.1 How does the university plan and organize the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?

In the beginning of the academic year, planning sessions are organized, faculty meetings held and various academic committees are formed. The **Academic calendar of the University** spells out major faculty events, holidays, schedule of examinations, teaching days, and sessional work, etc., for all the Schools. Calendar and Dates of curricular and extracurricular activities, are prepared by respective Cultural & Sports committee. Statute has given major schedules for commencement of session and end of session with working days. Every session scheduled to meet minimum teaching days of 90 days in one semester. Every school follows semester teaching schedule in a year.

2.3.2. Does the university provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

All enrolled students are given a detailed prospectus/ course curriculum booklet which also gives information about courses type with credit, subject combinations, detailed syllabus, rules regarding admission, examination, evaluation, discipline and code of conduct in the campus, academic calendar, etc.

At the school level, various other teaching related activities are finalized after a series of interactions and meeting between faculty members.

Course outlines and course schedules prior to the commencement of the academic session are provided to the students. The detailed course structures of different programs of the Faculty are readily available on the website. Besides, a hard copy of the same is also provided to each student at the beginning of the each semester. The Course outlines and course schedules along with reading materials (both in electronic copy as well as hard copy) are provided to the students. Lesson plans along with names of course instructors are also provided.

2.3.3 Does the university face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

Generally, there have been no challenges in completing the curriculum within the stipulated time frame and academic calendar. However, additional classes are conducted to supplement the academic loss of teaching hours on account of extra and co-curricular activities/ youth festivals/ academic trips if required.

2.3.4. How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

The learning is made student centric by adopting variation in teaching methods suited to the learning abilities of the students. Teachers prefer to engage students in face to face interaction in which even average student actively participate and freely ask questions. For making interactive session, all classrooms are equipped with projector and are having access to internet through LAN or Wi-Fi. Teachers are supposed to provide few ppt slides on current topic of discussion to students in advance. University has developed online portal for student academic life cycle process where they can have access to these material or additional resources. Students are encouraged to provide assignment in softcopy or hardcopy on a given topic. Seminar and assignment are composite part of course curriculum. School of Language uses Multi media lab for improving language skills and understanding about subject where they use audio video resources for students in computer assisted conferencing, broadcasting tools within the multimedia lab. It is school's endeavor to facilitate the access or interaction with native language speaking people to their students. School is trying hard to get such opportunities as a permanent solution to attached native language speaking people through foreign collaboration or MOUs. JICA (Japanese agency) has sanctioned such system for Japanese language in Doon University. Project work and Assignments are mandatory in all Post Graduate courses offered by the university. Some unique and innovative project activities of the students are: Summer Training, Dissertation Projects and Minor Projects are part of core courses of the MBA, M. Sc., MA programmes.

The teachers use the various teaching-learning methods like:

- Use of audio-visual facilities
- Multimedia power point presentations
- Compulsory assignments and seminar presentations
- Compulsory contact hours
- Computer assisted learning
- Case studies
- Workshop
- Group discussions and presentations
- Field based assignments
- Screening of Foreign language film and discussions on them

2.3.5 What is the university's policy on inviting experts / people of eminence to deliver lectures and/or organize seminars for students?

Schools of the University frequently invite eminent persons from academics, art & culture, professionals to deliver guest lectures on various topics. Schools are encouraged to invite such people. In the last academic session, a large number of distinguished guests visited university and delivered lectures in various programs including year-long lecture series.

2.3.6 Does the university formally encourage blended learning by using e-learning resources?

Computer based learning is considered the integral part of courses because present scenario made it as dynamic and enriching method. Internet opens a wide horizon of opportunities for students, which helps not only in their course curriculum but also in their various other co-curricular activities including searching & communicating for internship/ training and placement. For this purpose, every school has a full fledge computer lab in almost all the departments, all modern ICT tools and Wi-Fi enabled campus and hostel along with access to computer centre. Teachers use ICT tools so as to make learning more students' friendly.

2.3.7. What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?

Students are using NPTEL courses for enriching their course content. Some associated faculty members also uses distance learning virtual class room tools (WiziQ software) for conducting lectures from Delhi. Most advanced tools are in nascent stage and yet to gather pace in delivery of different course curricula.

2.3.8. Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the university's educational processes?

Yes, Information technology (IT) committee along with user group look after every issue related to open source community. Faculty members also give tutorial/ practice on open source software along with licensed software.

2.3.9. What steps has the university taken to orient traditional classrooms into 24x7 learning places?

More interaction with teachers, extended library hours, and two way teaching learning processes changed the traditional classroom teaching system in to modern 24×7 learning system. Course curricula are being designed in such a way where students keep on learning various skills even during the holidays, in terms of summer training, industrial tours and various seminars and

conferences. Similarly, the personality development and soft skill development of students is not confined to classroom studies but a constant push in all the activities of the students to face the world is ensured.

2.3.10. Is there a provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

There is a system of Mentor-Mentee, in which every faculty member is Mentor/ Student advisor to a small group of students. The students are free to contact and take help from their advisor /mentor regarding their study related problems or any other personal problem. In order to help students with personal and psychological problems, a teacher (Dr. Ashish Sinha) having requisite knowledge/ training has been assigned the job as counselor by the University. Apart from this Hostel wardens also interact with students to know their problems in their respective hostels. Ph.D. students are also encouraged to interact and extend support to fresh students at the time of the admission process.

2.3.11. Were any innovative teaching approaches/methods/practices adopted/put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

School of communication and School of design have introduced the complete exercise based examination and jury based evaluation system for some courses.

2.3.12. How does the university create a culture of instilling and nurturing creativity and scientific temper among the learners?

To create a culture of instilling and nurturing creativity and scientific temper among the learners, a number of activities listed below are organized:

- Organizing various activities under the aegis of several clubs/ cells such as debates on current topics as-well-as organising / celebrating days i.e Ozone days, Earth day, Environment day, Himalayan day, science quiz, exhibition, etc.
- Annual Cultural Festival (Covering debates, Sports, Painting, etc) annual sport events , plantation drive, cleanliness drive and vehicle free day
- Participation in extension activities in villages, radio talk, etc.
- Some Departments have weekly research seminar on scientific topics

- Creation and circulation of "Campus byte" magazine by the students
- Department of Economics' organizes, discussion on contemporary issues like expectation and interpretation of State and national budgets , gender issues etc in campus

2.3.13. Does the university consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?

Yes, it is mandatory for all post graduate students to undertake project in their learning programme.

- Number of projects executed within the university (~70%)
- Names of external institutions associated with the university for student project work – BHEL, ONGC, CSIR labs, DST institutions, Media companies, etc.

2.3.14 Does the university have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

Yes, University meets the shortfall, if any, by inviting renowned academicians and, professionals to different schools to deliver lectures.

2.3.15 How are the faculty enabled to prepare computer-aided teaching/ learning materials? What are the facilities available in the university for such efforts?

Every faculty has been enabled to prepare computer-aided teaching/ learning materials. For this, all teachers have been provided a computer with internet connection. The University subscribes to a number of e-journal which can be accessed from University's intra-net. All schools have access to WI-FI enabled LCD projectors equipped classroom for conducting lectures. Video Conferencing facility is also available for conference presentations and conduct remote sessions for students either way. All schools are using computer based teaching learning activities.

2.3.16 Does the university have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

The university has standardized a two-fold formal system for teacher evaluation: (i) submission of a self-appraisal report annually; and (ii) evaluation of teacher performance by the students. Standard questionnaire has been developed by IQAC for the teacher assessments and the outcomes of

these evaluations are shared with the HOD and the concerned teacher with a view to improve his/ her performance.

2.4 Teacher Quality

2.4.1 How does the university plan and manage its human resources to meet the changing requirements of the curriculum?

University has limited sanctioned posts in most of the schools, but to manage the changing requirement, university has given emphasis on recruitment of well qualified teachers. Most of the faculty has diverse expertise to cover major aspects of the syllabus of a course in a particular discipline. Teachers are also encouraged to update themselves in the related fields of disciplines through refresher/ training/orientation courses.

2.4.1 Furnish details of the faculty

Highest Qualification	**Professors**		**Associate Professors**		**Assistant Professors**		**Total**
Permanent Teachers	Male	Female	Male	Female	Male	Female	
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.		01	04		14	05	24
M.Phil./M Tech	-	-	-	-	01	02	03
PG	-	-	-	-	03	09	12
							39
Temporary Teachers							
Ph.D.	01	-	01	-		01	03
M.Phil./M Tech	-	-	-	-	-	-	-
PG	-	-	01	-	13	09	23
							26
Part-Time Teachers							
Ph.D.	01				01	02	
M.Phil./M Tech						01	
PG						03	
							08

2.4.3. Does the university encourage diversity in its faculty recruitment? Provide the following details (department / school-wise).

Since University is newly established, hence, the issue of inbreeding does not arise. University selection is only merit based apart from adopting reservation policy of Uttarakhand state which is evident from following list.

Schools	% of faculty from the same university	% of faculty from the other universities within the state	% of faculty from the universities outside the state	% of faculty from the other countries
SENR	Nil	37.5%	62.5%	-
School of Communication	Nil	12.5%	87.5%	-
School of Language	Nil	12.5%	87.5%	-
School of Management	Nil	75.0%	25.0%	-
School of Social Sc	Nil	0.0	100.0%	-
School of Technology	Nil	100.0%		-
School of Physical Sc	Nil	50.0%	50.0%	-
School of Design	Nil	0.0	100.0%	-

2.4.4 How does the university ensure that qualified faculty are appointed for new programmes / emerging areas of study (Bio-technology, Bio-informatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?

The university ensures that only the best and highly qualified faculty is appointed for all programmes. University recruitment is governed by the Statute and Ordinances and the appointment to all teaching programs, including new and emerging areas is governed by the same. The advertisement to faculty position is widely advertised with desirable specializations.
During last four years six faculty members in science stream has been appointed in emerging new areas like, Material Science and Nanotechnology, with considerable post doctoral experience from abroad.

2.4.5 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the university?

Emeritus Professors	Adjunct Faculty	Visiting Professors
02	12	01 (at present) 07 (in last 5 years)

2.4.6. What policies/systems are in place to academically recharge and rejuvenate teachers (*e.g.* providing research grants, study leave, nomination to national/international conferences/ seminars, in-service training, organizing national/international conferences etc.)?

The University has a well defined policy to academically recharge and rejuvenate teachers e.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences, etc.

University provides support to newly recruited faculty members with a personal computer with internet, office phone, printer facility and necessary office equipment and furniture to each. This support is aimed at equipping the faculty members with basic requirements for initiating pilot research in their field of interest. University always tried to facilitate, faculty members (individually and collectively) to improve research facility through financial support on need based criteria.

Faculty members are encouraged to attend various training programmes, courses, symposia and conferences, etc. As per the university policy each faculty can attend national or international conference in a year. They are provided with financial support towards travel and registration with maximum ceiling of 20 thousands rupees.

University also provides financial support for organizing national/international symposia and conferences from the University budget with ceiling 2.0 lacs rupees per year to each school.

2.4.7. How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

Nil

2.4.8 How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?

Academic Staff Development Programmes	Number of faculty
Refresher courses	02
HRD programmes	02

Orientation programmes	06
Staff training conducted by the university	02
Staff training conducted by other institutions	04
Summer / Winter schools, workshops, etc	06

2.4.9 What percentage of the faculty have

- been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies?
  ~10%
- participated in external Workshops / Seminars / Conferences recognized by national / international professional bodies?
  90%
- presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies?
  50%
- teaching experience in other universities / national institutions and other institutions?
  ~10%
- industrial engagement**?**
  ~10%
- international experience in teaching?
  ~10%

2.4.10 How often does the university organize academic development programmes (*e.g.*: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

Issues related to curricula development, teaching learning etc. are discussed in the academic advisory committee (AAC) of the respective schools as and when they are held. The examination reforms have been carried out intermittently.

2.4.11 Does the university have a mechanism to encourage

- Mobility of faculty between universities for teaching?
- Faculty exchange programmes with national and international bodies?

If yes, how have these schemes helped in enriching the quality of the faculty?
No, however, scientists from research institution located at Dehradun and with whom university has MoU, participated in teaching programme of the university.

2.5 Evaluation Process and Reforms

2.5.1 How does the university ensure that all the stakeholders are aware of the evaluation processes that are in place?

Reforming examinations to ensure reliability, validity and objectivity with transparency has been on the top agenda of the university since beginning. The University has a Standing Committee on Examination and unfair means which meets periodically to review the examination system and related issues of unfair means. During the last six years the examination system of the university has witnessed several changes for the betterment. Since the beginning the university follows semester system with continuous and comprehensive internal assessment as an integral part of its system for the formative and summative evaluation and certification of the student's performance**.** In all the courses, the teacher teaching the course shall give the assignments, projects and tests regularly at fixed intervals as tools for Formative Evaluation. Even the end semester examination (Summative Evaluation) paper is prepared by the teachers teaching that paper and the evaluation is done by the teacher itself. To ensure objectivity in the whole system, a student is shown the evaluated answers-sheets/assignments and that every student has a possibility to contest his/her assessment with the teacher or compare their performance with others.

The 10 point GRADING SYSTEM is followed for preparing the summative result card or the mark-sheet of the student. Semester grade point and Cumulative grade point are prepared on the basis of credit of course paper and multiplication with grade point obtained in those papers. University has provision of makeup and improvement examination for students. Promotion of student to next semester depends on minimum CGPA and SGPA scores.

To ensure that all the stakeholders are aware of the evaluation processes**,** the complete syllabi, including examination and evaluation details are available on the website of the University. It provides elements of evaluation system, credits, calculation of Grade Points, letter grade and promotion rules. The information about examination system and scheme of assessment during semester and at the end of semester is also detailed in the prospectus and booklet provided during admission process. In addition, students are made familiar with all aspects of their courses including the evaluation process during the induction progammes organized by different schools.

2.5.2 What are the important examination reforms initiated by the university and to what extent have they been implemented in the university departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system.

In addition to the semester system along with continuous and comprehensive evaluation and adherence of the Academic calendar of the academic year, some of the other noteworthy reforms in the examination process are:-

- Computerization of examination cell.
- Computerization of mark sheet printing, migration & provisional certificates, enrolment registers.
- Photographs are also captured and put in database at the time of enrolment.
- In-house printing of tabulation registers, preparation of basic database of students.
- In-house printing of degree through software with bar coding and computerized verification process of degree.
- Proper upkeep of permanent record introduced.
- Issue of transcripts to student streamlined and applications through online portal are being introduced.
- Introduction of moderation system where faculty members screened the representative copy of each paper to verify the evaluation, tabulation and totaling of marks.
- Live results are also available on web link on www.exametc.com
- Private examination vendor's portal.
- Timely declaration of results of regular examinations

2.5.3 What is the average time taken by the university for declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode / media adopted by the university for the publication of examination results *e.g.* website, SMS, email, etc.).

After completion of the each semester examination, one month's time is required for declaration of results. Since, there is internal evaluation, therefore, the measures such as reminders for submission of awards is used. But these marks are mandatorily submitted before moderation exercise. University is also in the process of providing online access for submission of mark sheet. The results are published on the university website and the university notice board.

2.5.4 How does the university ensure transparency in the evaluation process? What are the rigorous features introduced by the university to ensure confidentiality?

For transparency in the evaluation process answer scripts are shown to students after evaluation in mid semester examination and before declaration of result. If a student is not satisfied with the marks awarded to him/her, he/she can contest and make a request for re-evaluation in the concerned department free of cost. For end semester examination moderation is done to verify the

evaluation, tabulation and totaling by all faculty members simultaneously in moderation meeting. Accordingly re-evaluation, if required, is done and then final results are prepared. The Confidential Section of the office of the Controller of Examinations is responsible for handling all confidential information/work related to examination.

2.5.5 Does the university have an integrated examination platform for the following processes?

- Pre-examination processes – Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.
- Examination process – Examination material management, logistics, etc.
- Post-examination process – Attendance capture, OMR-based exam result, auto processing, generic result processing, certification, etc.

University has an integrated platform for executing the following examination related tasks:

- Pre-examination processes – Student list generation, codified roll number generation, attendance sheet generation, etc.
- Examination process – Examination material management, logistics, etc.
- Post-examination process – Attendance capture, exam result, auto processing, generic result processing, certification, etc.

2.5.6 Has the university introduced any reforms in its Ph.D. evaluation process?

University has adopted rules and regulation for Ph.D programme in accordance with UGC 2009 guidelines for granting Ph.D degree.

2.5.7 Has the university created any provision for including the name of the college in the degree certificate?

NA

2.5.8 What is the mechanism for redressal of grievances with reference to examinations?

Students have direct access to Examination cell for any grievance with reference to examination and accordingly the issues are addressed with the approval of Vice-Chancellor.

2.5.9 What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

To streamline the operations at the office of the Controller of Examinations, the academic calendar is being adhered strictly and all activities related to examinations are completed within the duration prescribed in the academic calendar. The Tabulation Register is the main source of examination information since it is the document where marks of the students are recorded and stored. These marks are entered by examination section in the software with provision of second records. In order to avoid any mistake in the examination evaluation at the end of the semester, moderation committee of each school scrutinizes the answer scripts carefully. Another measure which has been undertaken a couple of years back is to do away with the practice of conducting the makeup exams a week prior to end semester exam and instead conduct them within one month after mid semester.

2.6 Performance and Learning Outcomes

2.6.1 Has the university articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

The graduate attributes include but are not limited to mere acquisition of domain knowledge and skills but go beyond. The vision of the university lays down the fundamental objectives of teaching and learning. The university not only imparts domain knowledge but also encourages to participate in extracurricular and extension activities for holistic development of the graduates.

2.6.2 Does the university have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?

All the UG and PG courses of the university have clearly stated learning outcomes. Hence, all students and faculty members are clearly aware of the Learning Objectives which are clearly defined in the course curriculum. The faculty follows suitable pedagogy as described in curriculum. The impact is monitored through continuous and end semester evaluation process.

2.6.3 How are the university's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

The university's teaching, learning and assessment strategies are well structured to facilitate the achievement of the intended learning outcomes. Suitable pedagogy, continuous and end semester evaluation followed by formal and informal feedback are some of the strategies adopted by faculty. The course contents of all academic programmes are regularly updated through Academic Advisory Committees of Schools. The modifications are made from time to time to incorporate the latest developments. In the semester system, a compulsory component of internal assessment based on sessionals, tests, assignments, seminars, etc., has been introduced since beginning of this university.

2.6.4 How does the university collect and analyse data on student learning outcomes and use it to overcome the barriers to learning?

In order to overcome the barriers to learning, the faculty individually analyzes the data on student learning outcomes. The first information about learning outcomes comes from the performance in sessionals and mid-semester examination. The university has also provision of Student- Feedback on learning outcomes, course content, quality of teachers, etc. The feedback on various components of teaching and evaluation is taken formally from the students to improve the quality of teaching-learning processes. The feedback so obtained is analyzed at the IQAC level and findings are implemented to improve teaching-learning process. University is also planning to introduce dynamic online feedback mechanism for better implementation.

2.6.5 What are the new technologies deployed by the university in enhancing student learning and evaluation and how does it seek to meet fresh/ future challenges?

With regard to enhancing student learning, it is quite evident that University is working hard to provide state-of-art facilities to its students. University is also trying to improve innovatively to sort out/ standardize the procedural process in academic activity through softwares and campus wide access of internet through WI-FI. The faculty has at its disposal new technologies for interactive teaching such as Audio-Visual facility in the classes, video conferencing facility for guest lectures, increased use of internet, etc.

Any other information regarding Teaching, Learning and Evaluation which the university would like to include.

Following may be considered as best practices in the area of teaching, Learning and Evaluation:

- Student centric learning through extensive use of ICT.
- Blending learning with e-resources through 24×7 available free accesses to online resources.

- Enrichment of learning experiences through mandatory Assignments, seminar presentations, field and project work in more than 90% courses.
- Ensuring continuous updating of teacher competencies through a strong policy of support in research, sharing of knowledge and participation.
- Ensuring total transparency and objectivity in both formative and summative evaluation through a policy of showing evaluated answer-books to the students.
- Fully Automation of the examination cell to ensure timely declaration of results to keep the academic calendar on schedule.
- Fully automation of services required by students to minimize the time loss & destruction in academic activities through system based access.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the university have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Yes

The University has a three-tier robust mechanism to ensure quality and maintenance of standards for research at its campus. University has a Research Advisory Committee (RAC) as an overarching body to supervises the research activities undertaken at University level and frames the overall policies to promote Research & Development in the University. In addition to RAC, each School has an Academic Advisory Committee (AAC) headed by the Dean/Head of the Department and consisting of all the faculty members of the school in addition to two or three eminent persons as external experts. The Academic Advisory Committee takes all appropriate measures to improve the quality of academics and research in the concerned schools. All the decisions related to curriculum development for pre Ph.D course work to constitution of Doctoral Research Committee of each and every student and selection of research topic and synopsis etc are finally approved by the AAC.

The University also has a Doctoral Research Committee (DRC) of each student consisting of Supervisor as the Chairperson and two faculty members from the school and one faculty member and/or an external expert as members of DRC. The main function of DRC is to guide the student in the selection of research problem and the preparation of synopsis. It periodically monitors the progress of the research student at an interval of every six months.

3.1.2 What is the policy of the university to promote research in its affiliated / constituent colleges? :

Not applicable, as the University is a Non- affiliating, Residential and Unitary University.

3.1.3 What are the proactive mechanisms adopted by the university to facilitate the smooth implementation of research schemes/ projects?

Advancing funds for sanctioned projects:

The University facilitates the PI in opening the account for transfer of funds from the funding agency. As soon as the funds are received in the Project account the PI is informed and as and when funds are requested for a specific

purpose immediate disbursement is made for the purpose. To facilitate the smooth disbursement of research grant to PI, the Account Section of the University has a person deputed exclusively to look into the matters of extra mural research grants.

Providing seed money:

The University does not specifically provide the seed money to each and every individual faculty. However, the support in the form of requirement of a specific instrument and chemicals for the research purpose is provided to the faculty from the University funds.

Simplification of procedures related to sanctions/purchases to be made by the Investigators:

The University has simplified the purchase procedure. The PI is authorised to purchase the instruments, consumables from the project funds through purchase committee of the University. For purchase of any item costing less than Rs. 15000/- , the PI has been authorised to make the payment without routing through purchase committee. All the procurements are made as per finance rules.

Autonomy to the Principal Investigator/Coordinator for utilizing overhead charges: The Principal Investigators have been authorised to utilise 50% of overhead charges for the research related activities. In addition, the PIs have been authorised to take an advance of Rs. 20,000/- for on the spot purchase related to project work.

Timely release of grants: Once funds are received it is immediately released to the PI as and when required.

Timely auditing: The Finance department of the University undertakes the audit of project funds along with the auditing of the university funds.

Submission of utilization certificate to the funding authorities: The Finance section keeps all the records of the expenditure of funds related to a particular project and helps in preparation of the Utilization certificate immediately as and when requested by the PIs.

3.1.4 How is Inter-disciplinary research promoted?

Between/among different departments /schools of the university and the University encourages interdisciplinary approach in research.

Doon University began the first inter-disciplinary curricula in environment and natural resources school combining the disciplines of basic biology, ecology, chemistry, physics, geology, statistics, economics, and natural resources management. Currently, a faculty Ms. Rashi Mishra of School of Communication is registered for Ph.D in the School of Environment and Natural Resources and working on Communication strategy of Environmental Movements in Uttarakhand. Similarly, the faculty from Social Sciences and Management are also jointly supervising Ph.D research. With the establishment of School of Physical Sciences from current academic session

more and more inter school research collaboration between Environmental Science and Physical Sciences and within School of Physical Sciences will come up in near future.

∗ **Collaboration with national/international institutes / industries.**

University has a joint collaboration with national and international institutes for research. Currently, SENR is jointly supervising Ph.D research with Indian Institute of Remote Sensing, Dehradun and Wadia Institute of Himalayan Geology, Dehradun. Similarly, academic collaboration of SoPS with IRDE, Dehradun is also functional. The faculty of SENR is jointly supervising M.Sc. dissertations with scientist and faculty of premier national institutions such as Wildlife Institute of India, WWF, Wadia Institute of Himalayan Geology, GB Pant Institute of Himalayan Environment & Development, Almora, Central Soil and water Conservation Research, ICAR, New Delhi, JNU, IITM, Pune, NIO, Goa, NEERI, Nagpur, FRLHT, Banglore, Pollution Control Board of West Bengal and Uttarakhand, Uttarakhand Space Application Center, Dehradun, Jal Sansthan, Dehradun, National Institute of Hydrology, Roorkee, etc. The School of languages has academic exchange programmes with University of Osnabruck, Germany.

3.1.5 Give details of workshops/ training programmes/ sensitization programmes conducted by the university to promote a research culture on campus.

The university has conducted various workshops/training programmes since its establishment in the year 2009. The details are as follows:

1. "Application of Ion chromatography and Voltameter Analysis of Ion, heavy metals Transition metals in water, Air and soil" was conducted by SENR in collaboration with Uttarakhand Environment Protection & Pollution Control Board on 17th December, 2009 in Doon University.
2. A two-day Film festival titled 'We care: Celebrating Diversity', hosted by the School of Communication, Doon University and Dehradun Disability Forum was held on Doon University Campus in 2010.
3. A one-day Workshop on Scientific Writing for the Research Scholars by Prof. S.P Singh, Former Vice Chancellor, HNB Garhwal University was organised on 7th November, 2010..
4. A two-day Rashtriya Yuva Vaigyanic Sammelan was conducted during 6 & 7th February, 2010.
5. A three-day 5th Uttarakhand State Science Congress was organised during 10 to 12 November, 2010.
6. A three day workshop on "Elementary Statistical techniques and use of statistical package" was held in May, 2011 for the faculty and students.

7. A Round Table Discussion on "Women Journalists in Uttarakhand: Do they have enough space?" was held on 30th April, 2011.
8. 4 Days workshop on Ground water and water harvesting was organised during 23-26th August, 2011.
9. Workshop on Himalayan Glaciers and Glaciations was conducted on 9th September, 2011.
10. Film Appreciation workshop on "Talking movies" was organized during 17-19th August, 2011.
11. Workshop on "Mountain Group on Ecosystem and Challenges faced by Mountain People" was held on 12 November, 2011.
12. World Wetland day in collaboration with WWF was organized on 2nd February, 2012.
13. A two day regional consultation on "Uttarakhand State Action Plan on Climate Change" was conducted during 26-27 March, 2012.
14. Earth Hour celebration for creating awareness among students on energy conservation was organized on 31st, March, 2012.
15. El Dia del Libro (Book Day) was organized on 23rd April, 2012.
16. A one-day interschool sensitization work shop titled "Express India through Colours" was held on 18th May, 2012.
17. Environment Day was celebrated on 5th June, 2012.
18. Data Dissemination Workshop by Director Census Operation, Uttarakhand was conducted on 7th August, 2012.
19. A Brain storming Session on Building Sustainable Uttarakhand for tomorrow was organized during 29-31st August, 2012.
20. A one-Day workshop on Effective approach to do research in Ecology & Environmental Science was organised for the researchers and students on 1st September, 2012.
21. An Interdepartmental Round Table "Mainstream gender in to Climate Change Adaptation Programmes" was held on 27 November, 2012.
22. "Global Post 2015 Development Agenda: Uttarakhand Consultation on the Future we want" was conducted on 6th February, 2013.
23. A one-day Youth Seminar on "Uttarakhand on Green growth: Preparing Youth for Sustainable living" was jointly organised by SENR & TERI during 5 & 6th March, 2013.
24. A one-day student interaction and exchange with faculty and students of Franklin University, Switzerland was organized on 15th March, 2013.
25. A three-day 8th Uttarakhand State Science & Technology Congress was held during 10-12th November, 2013.
26. A two-day Japanese Cultural Festival "DOKI-DOKI" was organized during 7th to 8th February, 2014.
27. Workshop on Application of Remote Sensing and GIS in Water Resource Management was jointly organized by: Uttarakhand

Science Education and Research Center (USERC) and Uttarakhand Space Application Center (USAC), Dehradun during 4-5th June, 2014.

28. Workshop on Crowd Sourcing Technology and Applications in Geospatial Domain was jointly organized by IIRS, Dehradun and School of Environment & Natural Resources during 15-17, September, 2014.
29. Bird Watching Camp to create awareness on biodiversity among University students was organised on 15th February, 2015.
30. Intergovernmental Panel on Climate Change (IPCC)'s Fifth Assessment Report (AR5) University student's interaction with the IPCC authors was organized on March 11, 2015 at Doon University, Dehradun.
31. Earth Hour was celebrated on 28th March, 2015.
32. An Inter School one day workshop during Earth Day was conducted on 22nd April 2015.
33. Exhibition "The Eventful Lull before the Storm: The Period before 1914" in collaboration with the Austrian Cultural Forum, Austrian Embassy, New Delhi was held on April 13-18, 2015.
34. International Film Festival "SoL-Screen Cinefest 2015" with the theme "The City and its changing Landscape" was organized during May 1-3, 2015.

3.1.6 How does the University facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the university?

Right from its inception, the University has adopted a policy to appoint Academicians/Scientists of eminence as Adjunct faculty in each School. The adjunct professors are invited to deliver special lectures to the faculty and students of the School and also provide expert advice and guidance to the research scholars pursuing research in university.
List of Adjunct Professors in the University:

School of Environment & Natural Resources:

1. Prof. P.S. Ramakrishnan, Emeritus Professor, JNU (2009-2014)
2. Dr. D.S. Bhakuni, Former Director CDRI, Lucknow (2009-2012)
3. Prof. A. N. Purohit, Former Vice Chancellor, H.N.B. Garhwal University (2009-Till Date)
4. Prof. Mukesh Khare, IIT, Delhi (2014- Till Date)
5. Dr. M. G. Porwal, Retired Scientist, IIRS, Dehradun (2014-Till Date)
6. Dr. A. Arunachalam, Principal Scientist, ICAR, New Delhi (2014-Till Date)

Department of Economics, School of Social Sciences:

1. Prof. Manoj Pant, JNU, New Delhi
2. Prof. B.K. Joshi, former VC, Kumaun University
3. Prof. S.P. Singh, Department of Humanities, IIT Rorrkee.
4. Prof. Praveen Jha, JNU, New Delhi
5. Prof. Purna Samantha, University of Zambia
6. Prof. T.S Papola, Former Director, Giri Insitute, Lucknow
7. Prof. Ruchi Badola, Wild Life Institute of India

School of Languages:

1. Prof. Rajendra Dengle, Professor, Centre of German Studies, SLL&CS, JNU, New Delhi)
2. Prof. Sadhana Naithani, Professor, Centre of German Studies, SLL&CS, JNU, New Delhi)
3. Prof. Deepak, Center for Chinese Studies, JNU, New Delhi.
4. Prof. Anil Dhingra, Center of Spanish Studies, JNU, New Delhi.
5. Dr. Ashish Agnihotri, Assistant Professor, CFFS, JNU (from September 2014)
6. Ms Julie David, Visiting faculty, Wallonie-Bruxelles International, Belgium (from April 2015 till date)

3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

As such no budget is earmarked for the research. However a grant for equipments, consumables, books, journals, etc., is allocated for each School/Department**.**
The breakup for grant allocated (in Lakhs) under different heads in the last 5 years is as follows:

Sl. No	Year	Equipments	Consumables	Books	Journals	Total in Lakhs
1.	2009-10	100	25	2	2	129
2	2010-11	100	20	5	5	130
3	2011-12	75	10	5	10	100
4	2012-13	50	10	5	10	75
5	2013-14	50	10	5	20	85
6	2014-15	50	10	5	20	85

3.1.8 In its budget, do the university earmark funds for promoting research in its affiliated colleges? If yes, provide details.

Not Applicable

3.1.9 Does the university encourage research by awarding Post Doctoral Fellowships/Research Associate ships? If yes, provide details like number of students registered, funding by the university and other sources.

Yes, The Centre for Public Policy, Doon University has support funds for Research Associates to conduct research on Policy related issues. Following Research associates were supported by Centre for Public Policy.

1. Dr. Rayes A Mir, Research Associate- 3 March, 2012 -2 June, 2012
2. Dr. Amit Prakash, Research Associate- 16 August, 2012 -11 April, 2013
3. Ms. Dhriti Dhaudiyal, Research Assistant- 19 August, 2013 -31 July, 2015

3.1.10 What percentages of faculty have utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the university monitor the output of these scholars?

The University is still in its formative stage. Nevertheless the University has a clear cut policy to support the faculty to enhance their academic credentials by providing sabbatical and study leave. So far, no faculty has been granted sabbatical leave. However, in the past four years following faculty have been awarded study leave to pursue Ph.D.

1. Mr. Nitin Kumar, School of Communication is registered for Ph.D at Baba Bhim Rao Ambedkar University, Lucknow, 2012.
2. Ms. Udita Negi, Asst. Librarian is registered for Ph.D at Baba Bhim Rao Ambedkar University, Lucknow, 2013.
3. Mr. Madhurendra Jha, Asst Professor, Chinese, is registered for Ph.D at JNU, New Delhi, 2015

3.1.11 Provide details of national and international conferences organized by the university highlighting the names of eminent scientists/scholars who participated in these events.

1. National Conference on Environmental Pollution and Climate Change in collaboration with Uttarakhand Environment Pollution Control Board and Jawaharlal Nehru University, New Delhi was organized during 5-6 August, 2009. The main speakers were Prof. V.K. Jain, JNU, Prof Kulshrestha, Dr AK Dimri and Dr. Dinesh Mohan from JNU.
2. A Winter School on India's Foreign Policy was organised at Doon university campus from December 14-18, 2009. The main objective was to address the range of issues and concepts in India's Foreign Security Policy in public domain. The school was to engage researchers, academician, students and those having special interest in

foreign and security policy affairs. Various renowned speakers addressed the participants. Notable among them were Professor Pushpesh Pant, Dr. Ranjan Kumar, Brig N.K. Gupta, Lt. Gen. OP Kaushik, Professor Annapurna Nautiyal, Dr. Renu Saxena, Ms. Momita Ghosh, Dr. Ajay Saxena, etc.

3. International Conference on 'Mountain Biodiversity: Conservation and Sustainable Utilisation' was organised from March 13th to March 15th, 2010 with financial support from Uttarakhand Science Education and Research Centre, Dehradun, Uttarakhand Tourism Department, Dehradun and Centre for Scientific and Industrial Research, New Delhi. The lead lectures were delivered by eminent scientists such as Prof. K C Malhotra, former Professor, Indian Statistical Institute, Kolkata, Prof. M C Dash, Former Vice Chancellor, Sambalpur University, Dr. P K Hazra, Former Director, BSI, Prof. R S Tripathi, Former Professor, NEHU, Dr. Ramakrishna, Director ZSI, Prof. S P S Khushwaha, IIRS, Prof. D J Bhagyaraj, University of Agricultural Sciences, Bangalore, Prof. T Satyanarayan, Department of Microbiology, University of Delhi, Dr. T Suryanarayan, Director Vivekanand, Prof. K S Rao, Department of Botany, Delhi University, and Prof. T S Nair, Tropical Botanical Research Institute, Kerela etc.
4. National seminar on "Two Decades of Economic Liberalisation-Growth and Governance" was organized on 18-19 November, 2011. The main speakers were Prof. G.K. Chaddha, Prof. R.S Tolia, Prof. B.K. Joshi, Prof. Pushpesh Pant, Prof. P.K. Choubey, IIP, New Delhi, Dr. Himanshu Joshi, RBI, Mumbai and Prof. Sripad Motiram, IGIDR.
5. National Seminar on "Understanding Culture through Language, Literature and Cinema" was organized on 25th of November, 2011.
6. A Winter School on Visioning India's role in Globalising World was organised during 14-18 December, 2011.
7. National Seminar on Green Technologies for Sustainable Forest Management was organised by SENR during 22-23rd March, 2013. The main speakers were Prof. Peter Koles, Director, Institute of Technology & Water Management, Szent Istvan University, Hungary, Prof. M.V.N. Prasad, University of Hydrabad, Hydrabad, Dr. Nadeem Khalil, AMU, Aligarh, Prof. G.B. pant, Former Director, IITM, Pune, Dr. D.K. Adhikari, CSIR-IIP, Dehradun, Prof. A.H. Munshi, University of Kashmir, J&K, Prof. A.S. Raghubanshi, Director, IESD, BHU, Varanasi, Dr. Harsh Srivastava, Dr. B.R. Tech. University, Lonere, Maharastra, Prof. Rajesh Dhankar, MD University, Rohtak, Prof. Laxmi Rawat, FRI, Dehradun.
8. SERB, DST Summer School on Science of Climate change was held during 1st to 21st August, 2013. The main speakers were Dr. Gulfam Beig, IITM Pune, Prof. U.C. Mohanty, IIT Delhi, Prof. G.Bala IISC, Banglore, Dr. Y.S Krishnamurthy, IIRS, Dehradun, Prof. G.B. Pant,

Doon University.

9. National Conference on Environmental Constraints Conservation & Resource Development of Medicinal Plants for Health and Societal Benefits was organized on 21-23rd March, 2014. Eminent Speakers were Prof. PV Sane, Prof. A. K. Bhatnagar, Prof. A.N. Purohit, Prof SS Babbar, DR. S.K. Prabhuji, Dr. A. Arunachalam and Dr. G.P Rao.
10. Two days National Conference on Developmental Imperatives: The role of Gender was organised during 22-23rd February, 2014. The main Speakers were Prof. Gita Bambezai, Prof. Indu Agnihotri, Prof. S.P Singh and Prof. V.K Jain.
11. 3rd ICSSR Northern Regional Social Science Congress was organized during 26-28 February, 2014. The main speakers were Prof. Dhruv Raina, Prof. T.S Papola, Prof Gurpreet Mahajan, Prof. Shiv Viswanathan, Prof B.K Joshi, Prof B.P Maithani and Prof. Shreekant Khandewale.
12. International Conference on "Foreign Language Teaching and Inter-Cultural dialogue" was held on April 11-12, 2015. The main speaker were Prof. B.R.Deepak and Prof. Madhu Sahani, JNU and Prof. Soniya Gupta, Jamia Milia University.

3.2 Resource Mobilization for Research

3.2.1 What are the financial provisions made in the university budget for supporting students' research projects?

The financial assistance in the form of Rs 1500/- p.m has been provided to the Ph.D students in the University. In addition, partial financial assistance for field trip, chemicals and glassware, etc., is also being provided to the students.

3.2.2 Has the university taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

Yes: The University has established an IPR Cell in the School of Environment & Natural Resources to create awareness and facilitate filing of patents. The School is also offering a course to M.Sc., M.Tech. and Ph.D students on IPR and Traditional Knowledge system.

3.2.3 Provide the following details of ongoing research projects of faculty:

School of Environment & Natural Resources:

Sl No.	Name of the Investigator	Title of the project	Year	Amount sanctioned	Funding Agency
1	Dr. Kusum Arunachalam	Crop Residue Management for Carbon Cycling in Hill Agro ecosystems of Uttarakhand	2012 - 2015	10.65 Lakhs	UGC
2	Dr. Kusum Arunachalam	Development of Medicinal Plant Garden in Doon University	2014 - 2016	20 Lakhs	HRDI/S MPB
3	Dr. Kusum Arunachalam & Dr. Vijay Shridhar	Documentation of Traditional Knowledge in Central Himalayas for Sustainable Development	2015 - 2020	49.33 Lakhs	DST
4	Dr. S S Suthar	Nitrate Contamination in Ground Water of Intensively Cultivated Belts of Northern Semi Arid parts of Rajasthan and Malwa Punjab: Assessment and Hazardous zone Mapping	2012 - 2015	18.55 Lakhs	DST
5	Dr. Archana Sharma	Ground water Contamination in Industrial Area in Hardwar District".	2013 - 2016	11 Lakhs	UGC
6	Dr. Vijay Shridhar	Assessment of Black Carbon (BC) in Atmosphere of Dehradun &	2013 - 2016	12.80 Lakhs	UGC

		Mussorie Region			
7	Dr. Vipin Saini	Improvement in indoor air quality (IAQ) using natural clay based nanoporous materials	2015 - 2018	15 Lakhs	UGC
8	Dr. Garima Dixit	Identification, Characterization and Screening of algae for Biofuel Production in Uttarakhand	2015 - 2018	35 Lakhs	DST

School of Communication:

Sl No.	Name of the Investigator	Title of the project	Year	Amount sanctioned	Funding Agency
1	Dr. Rajesh Kumar	ICT uses by the youth: Imperatives of parental intervention.	2013-2015	5.10 Lakhs	ICSSR
2	Dr. Rajesh Kumar	Positioning Community radio as a communication tool for development: A study of role and relevance of community radio for participative community development in Uttarakhand.	2013-contd.	2.85 Lakhs	UGC

School of Management

Sl No.	Name of the Investigator	Title of the project	Year	Amount sanctioned	Funding Agency
1	Dr. Sudhanshu Joshi	Efficacy of Tourism Supply Chain Management in Uttarakhand: An Analytical Study on its performance and Sustainability.	2015 - 2018	11.26 Lakhs	UGC
2	Dr. Sudhanshu Joshi	An Empirical Study on Banking Transformation through e-Services- Emerging issues and potential strategies.	2013 - 2015	2.0 Lakhs	ICSSR
3	Dr. Sudhanshu Joshi	Humanitarian logistics model for disaster relief operation considering network failure and standard relief time: A case study on Uttarakhand.	2015	0.99 Lakhs	ICSSR
4	Dr. Sudhanshu Joshi	Survey & Study of handicrafts of Uttarakhand.	2015	13.9 Lakhs	Development Commissioner (Handicraft), Ministry of Textile, Government of

					India
5	Dr. Ashish Sinha	Business Excellence in Indian Manufacturing Organization: Cultural typology and strategies for culture augmentation.	2014 - 2016	5.6 Lakhs	**UGC**
6	Dr. Ashish Sinha	Resonant Leadership in Indian Organizations: An investigative study	2014 - 2016	3.0 Lakhs	ICSSR

Department of Economics, School of Social Sciences:

Sl No.	Name of the Investigator	Title of the project	Year	Amount sanctioned	Funding Agency
1	Dr. Siba Sankar Mohanty	Economic Loss in Disasters and the Differentiated Impact on the Well-being of Social Groups: Developing a Methodological Tools for Loss and Impact Assessment in the context of Uttarakhand-2013 Natural Disaster.	2015-2017	20 Lakhs	ICSSR

Centre for Public Policy, School of Social Sciences

Sl No.	Name of the Investigator	Title of the project	Year	Amount sanctioned	Funding Agency
1	Dr. R.S. Tolia	Edu ST Project	2011-	43 Lakhs	ICSSR

			2015		
2	Dr. R.S. Tolia	RTI Facilitation Centre:SRTT	2013-2015	4.5 Lakhs	SRTI
3	Dr. R.S. Tolia	Ethnographic Survey	2013-16	13 Lakhs	GoUK (SW)

Department of Spanish, School of Languages

Sl No.	Name of the Investigator	Title of the project	Year	Amount sanctioned	Funding Agency
1	Ms. Mala Sikha	India in the Imagination of Latin America.	2013-2015	8 Lakhs	ICSSR

3.2.4 Does the university have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the projects, funding agency and grant received.

NIL

3.2.5 How many departments of the university have been recognized for their research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

University is still in its formative stage. In a short span of five years, the first Science School, School of Environment & Natural Resources established in 2009 achieved significant feat by the following recognitions.

1. UGC- Awarded Innovative Programme in 2013 to start M. Tech. in Environmental
   Technology: Total Grant Sanctioned Rs. 60 Lakhs.
2. DST FIST –Level 1 in 2014: Total; Grant Sanctioned Rs. 65 Lakhs

3.2.6 List details of

a. Research projects completed and grants received during the last four years (funded by National/International agencies).

School of Environment & Natural Resources

Sr. No.	Title of Project	PI/ CO-PI	Funding Agency	Duration	Outlay in INR (Lakhs)
1.	Status Report of Climate of Uttarakhand	Prof. G. B Pant & Prof. Kusum Arunachalam	GIZ, Germany	2012-2013	7.0 Lakhs
2.	Community driven climate resilient hill agriculture in village ecosystems of Uttarakhand Himalaya.	Prof. Kusum Arunachalam	NICRA, ICAR	2011-2014	33.0 Lakhs
3.	Wind Resource Assessment in Dehradun	Prof. G.B. Pant & Dr. Vijay Sridhar	C-WET	2013	10.0 Lakhs

School of Communication

Sr. No.	Title of Project	PI/ CO-PI	Funding Agency	Outlay (INR in lakhs)
1.	Status Report of Uses & gratification of face book: A survey study on the uses of social media amongst school going teenagers in the city of Dehradun	Rashi Mishra	ICSSR	4.50 Lakhs

School of Management

Sr. No.	Title of Project	PI/ CO-PI	Funding Agency	Duration	Outlay (INR)
1.	Vulnerability Assessment for Small Businesses and Enterprises	Dr. Gajendra Singh	Swiss Agency for Development and	2014-2015	9.52 Lakhs

	in Kullu District, Himachal Pradesh.		Cooperation, Embassy of Switzerland, New Delhi,		
2.	Measuring Advertising Effectiveness through Consumer Attitude, Retention & Psychographic profile in FMCG products.	Dr. Gajendra Singh	AICTE	2010-2013	9.98 Lakhs
3.	The Cultural Influence on Woman Entrepreneurial Develpoment in Small and Medium Scale Enterprises in Uttarakhand.	Dr. Gajendra Singh	UGC	2013-2015	4.79 Lakhs
4.	The Influence of Hofstede Cultural Dimension Model on the Emergence of Entrepreneurial Development in Small and Medium Scale Enterprises in Northern India.	Dr. Gajendra Singh	ICSSR	2012-2014	6.04 Lakhs
5.	Managerial Policies and Practices in Small and Medium scale industries in the state of Uttarakhand.	Dr. Gajendra Singh	UGC	2008-2010	3.85 Lakhs
	Value Chain				

6.	Proposition and Market Positioning of Handicraft products: practices, sustainability issues and its influence on Tourism driven economy of Uttarakhand.	Dr. Sudhanshu Joshi	Directorate of Industries (DIC), **Government of Uttarakhand**	2015	0.5 Lakhs

Department of Economics, School of Social Sciences:

Sl	Title of the Grant Project/Consultancy	PI/Co-PI/ Convener	Duration	Sponsoring Agency	Grant Received/ Mobilised in Lakhs
1	Political Economy of Building a New State	Mohit Chaturvedi/ Siba Sankar Mohanty	2010	GIZ-Government of Uttarakhand	10 .0 Lakhs
2	External Evaluation of Read India Programme	Dr. Siba Sankar Mohanty	2012	Pratham Education Foundation	0.5 Lakhs
3	Performance of Agricultural Produce Market Committees in Enhancing Agribusiness in Uttarakhand	Dr. Siba Sankar Mohanty	2013	GIZ-Germany	0.66 Lakhs

b. Inter-Institutional collaborative projects and grants received

i) All India Collaboration

- Community Driven Climate Resilient Agriculture in Village Ecosystem of Uttarakhand, Total Grant Rs. 33 Lakh, Funding Agency, ICAR, New Delhi. Collaborative Institutes Uttarakhand Paryavaran & Seva Nidhi, Almora and GB Pant Institute of Himalayan Environment & Development, Almora.
- Documentation of Traditional Knowledge in Central Himalayas for Sustainable Development, Total Grant Rs. 49.4 Lakhs, Funding

Agency, DST. Collaborative Institutes, JNU, GB Pant Institute of Himalayan Environment & Development and Wildlife Institute of India.

ii) International

- Vulnerability Assessment for Small Businesses and Enterprises in Kullu District, Himachal Pradesh. Collaborators, Swiss Agency for Development and Cooperation, Embassy of Switzerland, New Delhi, Grant received Rs. 9.52 Lacs.

3.3 Research Facilities

3.3.1 What efforts have been made by the University to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

1. University with support of UGC and Uttarakhand State Government has gradually built and improved upon the research infrastructure. Keeping in mind the research need of the present faculty of SENR and future requirements of high end analytical instruments of SoPS and School of Biological Sciences (yet to be established) the University has been able to procure sophisticated instruments such as GC-MS, GC, ICP, HPLC, IC, AAS, CHNS, PCR, Gel Documentation System, Microwave Digester, Algaltron, Air Quality Monitoring System, etc. besides numerous minor instruments.
2. Faculty is encouraged to apply for projects to the major funding agencies to support the existing research activities.
3. A Remote Sensing and GIS facility equipped with work station, computers, scanner and plotter and GIS software has been created for researchers in the SENR.
4. The scholars of various departments are provided with adequate sitting space.
5. The University is part of the Inflibnet network of UGC enabling its members to get online access to reputed journals in various fields.
6. The University is also subscribing to various journals in its library. These journals are openly available to students along with open reading space available to students.
7. The University has also recently purchased a 10 user license of SPSS to facilitate the usage of current software packages to encourage research. The computers in e-library of the university are installed with SPSS package which are open for use by the students of University.
8. The University has a provision for uninterrupted power supply and 24 × 7 internet connectivity to facilitate research. The campus of the University is fully Wi-Fi enabled.
9. The University has also made provisions of having software for

plagiarism to check the originality of research work of its scholars. The software (URKUND) is accessible to all the desirous faculty members of university.

10. The University encourages faculty and students to participate in conferences, seminars by providing them duty leave and financial support.

3.3.2 Does the university have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.

Yes.

A Data-cum-Facilitation Centre has been established with the financial support of Rs. 20 Lakhs by Director General Census Operations in Uttarakhand. The Centre houses all the census data related to different sectors in it for use of researchers of the university as well as researchers from outside the university. Further, the University has a good and resourceful library and digital information on the available knowledge resources is being circulated by email to all the users.

3.3.3 Does the university have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?

The University does not have University Science Instrumentation Centre as yet. As soon as all the Science Schools starts functioning the USIC will be established. However, there is a plan to establish a Central Instrumentation Facility in each Science School. The SENR already has a well equipped state of art Central Instrumentation Facility, which has also been made accessible to the newly established School of Physical Sciences.

3.3.4 Does the university provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

Yes, the University has provided residence to the permanent faculty to facilitate academics and research in its campus. All the visiting and adjunct faculty are provided twin room apartment in faculty lodge. The research scholars have been provided single room hostel facility in the campus. All the residential facility is equipped with Wi-Fi connectivity and computers.

3.3.5 Does the university have a specialized research centre/ workstation on-campus and off-campus to address the special challenges of research programmes?

(i) The University has a Centre for Public Policy established with endowment of Rs. 3 Crore received from NTPC. The centre facilitates the policy and action oriented research in the University by providing support in terms of literature and networking with the premier national institutions.
(ii) The University is also in the process of setting up a Technology Resource Centre with financial assistance of BARC, Mumbai. The Centre will house the indigenous rural technologies developed by BARC for the benefit of faculty and research students for wider dissemination of these technologies in the state of Uttarakhand.
(iii) A unique herbal garden is being established with the support of Herbal Research and Development Institute, Gopeshwar and State Medicinal Plant Board, Dehradun that would not only serve as a repository, but also as a Field Lab.

3.3.6 Does the university have centres of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

NO.

3.4 Research Publications and Awards

3.4.1 Does the university publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

NO

3.4.2 Give details of publications by the faculty:

- Number of papers published in peer reviewed journals (national / international) :
- Monographs
- Chapters in Books:
- Books edited:
- Books with ISBN with details of publishers
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- h-index

Department-wise Publication Data Sheet (2010-2015)

Departments	Research Articles	Books/Monographs Authored ISBN No & Publishers	Books Edited	Book Chapters	Papers in Proceedings	Total Number of Citations
	International / National					
SENR	**91**		**04**	**06**		**~1850**
SOC	**29**		**06**	**07**		**10**
SOSS	**14**		**01**	**05**		**-**
SOM	**40**		**02**	**04**		**-**
SOL	**12**		**01**	**10**		**-**
SOP	School of Physcial Sciences established in July 2015					
Total	**186**		**14**	**32**		

SENR, School of Environment & Natural Resources; SOC-School of Communication; SOM-School of Management, SoSS-Department of Economics, School of Social Sciences; SOL-School of Languages

List of Publications (Total Number = 189)
School of Environment and Natural Resources (Total Number of Publications = 94)

1. Revadekar, J.V., Patwardhan, S.K., Kothawale, D.R., **Pant, G.B.,** Rupakumar, K. **2012.** About the Observed and Future Change in Temperature Extremes over India. ***Natural Hazards* 60, 1133-1155**.
2. Singh, N., Joshi, R.R. Damle, S.H. **Pant**, **G.B. 2012.** 404 MHz wind Profiler to observe precipitation. ***Current Science*, 103, 46-54.**
3. Rawat M.,**Arunachalam K.**, and Arunachalam A. Plant Functional Traits and Carbon Accumulation in Forest. **Climate Change and Environmental Sustainability Vol 3(1) 2015 pp1-12**
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1. **Kumar, C. 2010.** Review (Sebastian Conrad: Deutsche Kolonialgeschichte. München: Beck 2008, 128 S., kt., 7,90 €). ***German Studies in India; Beiträge aus der Germanistik in Indien.*** Neue Folge Bd. 2/2010. **195-196**. (Iudicium, Germany).
2. **Kumar, C. July 2012.** One Master in Praise of the Other: Stefan Zweig's Account of Charles Dickens. ***eDhvani UoH Journal of Comparative Literature***. (Web/e-journal).
3. **Kumar, C. 2012.** Nazan Eckes' Novel Guten Morgen Abendland: An Account of Emergence of Ethnic Turkish Identity in German Society. Anooradha Chakrabarty Barua & Hemanta Kr. Nath

(Ed.). ***Problematics on Ethnicity, Identity & Literature (ISEIL-2012)***. **294-298**. (The Sibsagar College, Joysagar, Assam, India).

4. **Kaur, J. December 2012.** Die Übersetzung der fantasievollen Kunst des Schreibens: die Erstellung einer interkulturellen Tintenwelt am Beispiel der ins Englische übersetzten Tintenwelt Trilogie von Cornelia Funke. ***German Studies in India.*** (Department of German, Kerala University, Tiruwanantpuram, Kerala, India).
5. **Kumar, C. 2014.** Path to the Afterlife (Translation - Writer: Helga Othenin-Girard; Photography: Christian Schaulin). ***Architectural Digest***; **174-183**.
6. **Kumar, C. 2015.** Die Idee der Bildung um 1800 und ihre mögliche Bedeutung für Indien in der Gegenwart. Wolfgang Braungart und Helena Köhler (Hg.). ***Subjekt und Subjektivität 1800 | 1900***. **84-90**. (Iudicium, Germany).
7. **Basu, S. 2011.** La inmigración y su representación: un vistazo a cine español de inmigración. (Immigration and its representation: an overview of Spanish Immigration Cinema). ***Hispanic Horizon* 28**. ISSN: 0970-7522.
8. **Basu, S. 2012.** 'I'am made by my 'Other': Migration, 'Others' and Identity in contemporary Spanish novels. Problematics on Ethnicity, Identity & Literature, ***ISEIL-2012***, **20-25** (The Sibsagar College, Joysagar, Assam, Ed. Anooradha Chakrabarty Barua & Hemanta Kr. Nath.). ISBN: 978-81-924140-5-8.
9. **Basu, S. 2013.** Mahi's overweight body and her desire for a prince charming: An assessment of the de-stereotyping efforts in and the reception of the TV show 'Mahi Way' in De-stereotyping Indian Body and Desire. **135-148**. (Cambridge Scholars Publishing, Newcastle upon Tyne, Ed. Kaustav Chakraborty). ISBN: 978-1-4438-5253-1.
10. **Shikha, M. 2013.** Understanding context through text: Interrelatedness of Language and Literature, ***MAGIC,* 46-52** (University of Petroleum & Energy Studies, Dehradun). ISBN: 978-93-81583-80-7.
11. **Sharma, V. D. 2014.** Le paysage spirituel de l'Himalaya : une perspective française, ***Développement social et interculturalité : un regard croisé, (ed.)*** Abhijit Karkun & Elaine Costa-Fernandez, **201-209** (L'Harmattan, Paris). ISBN : 978-2-343-04689-1.
12. **Jha, M. 2015.** Indian Sinologist***. My Romance with Jia Zhangke's Films***, chinadaily.com.cn.
13. **Jha, M. 2015. 设想新的国家：尼赫鲁和毛泽东时代电影对比** (Imagining the New Nations: a Comparative Study of the Nehru and Mao Era Cinema). China and the World Cultural Exchange, ***Journal of the China International Cultural Association, Ministry of Culture***, ***P.R. China***, **50-53.** ISSN: 1004-5007.
14. **Jha, M. 2015.** Reinventing the Ballad of Mulan: a Socio-Political-Cultural Analysis of Cinematic Adaptations of the Folk song of Mulan, Lokratna. ***Journal of folklore foundation***, India in collaboration with the world oral

literature project, University of Cambridge, United Kingdom, **VIII**, **182-195**. ISSN 2347-6427.

15. **Jha, M. 2015.** Indian Public Sees Smiles Instead of Snares on Other Side of Border. Global Times.
16. **Jha, M. 2013.** Chinese as a Foreign Language in India: A Critical Assessment. ***Language, Society and Culture in Asian Contexts*** **1042**, ISBN: 978-81-7343-141-8.
17. **Jha, M. 2013.** Raj Kapoor and his Films: The Confluence of Socialism, Humanism and Eroticism. ***eDhvani University of Hyderabad journal of comparative journal*** ISSN: 2279- 0209.
18. **Deepak, B. R. 2011.** India, China and Tibet: Fundamental perceptions from Dharamsala, Beijing and New Delhi. ***Asian Ethnicity. Special Issue on Tibetan Studies in Comparative perspective*** **12**.
19. **Sharma, R. N. 2011.** Post Mao cultural Relation between India & Chin. ***Challenges and Opportunities for 21st Century*** by Sudhir Kumar Singh, Pentagon Press.
20. **Sharma, R. N. 2013.** Post Jiang leadership in China. ***Emergence of Asia*** by Dr. **Sudhir** Singh.
21. **Deepak, B. R. 2011.** Challenges of Literary Textin Foreign Language Teaching: A Case study of the Centre of Chinese and South East Asian Studies. ***Foreign Language Teaching in India: Challenges and Strategies*** by Prabhakar Rao.
22. **Sharma, R. N. 2014.** China's role to Afghanistan war. ***Indian Council of Social Science Research***.
23. **Sharma, R. N. 2014.** Marx on China. (Under Publication).
24. **Sharma, R. N. 2015.** Bihar election (21st November, Ministry 2015).
25. **Sharma, R. N.** Trust led to mistrust, war, dialogue, engagement between India and China (under publication).

School of Management (Total Number of Publications = 42)

1. **Singh, G. 2010.** Impact of phishing on financial institutions. ***CURIE Journal of Cooperation Among University, Research and Industrial Enterprise*** **3,** (ISSN: 0974-1305).
2. **Singh, G. 2010.** Advertising strategies adopted by small scale enterprises in Uttarakhand. ***Journal of Marketing Trends*** **2,** (ISSN: 0976-0881).
3. **Singh, G. 2010.** A Case of Security Perspectives in E-Banking. ***Pacific Business Review*** **3,** (ISSN: 0974-438x).
4. **Singh, G. 2010.** Solid waste management program: A reference of HNB Garhwal University. ***Knowledge Hub*** **6,** (ISSN: 0973-64).
5. **Singh, G. 2011.** A study on performance linked productivity of ICT Usage in technical education. ***VEDAANT*** **2, 80-84**. (ISSN: 0975-7961).
6. **Singh, G. 2012.** Empirical analysis of awareness and satisfaction level of customers with respect to Banking E-services in North India. ***Asia-Pacific Marketing Review*** **1, 7-26**. (ISSN: 2277-2057).

7. **Singh, G.,** Bamarara, A. **2012.** An explorative study of satisfaction level of cyber-crime victims with respect to E-services of Banks. ***Journal of Internet Banking and Commerce* 17,** (ISSN 1204-5357).
8. **Singh, G. 2013.** Product stage and packaging features adopted by small scale industries in Uttarakhand. ***African Journal of Business Management* 17, 1015-1027**. (ISSN: 1993-8233).
9. **Singh, G.,** Bamarara, A. **2013.** Cyber attacks and defense strategies in India: An empirical assessment of banking sector. *International Journal of Cyber Criminology* 7, (ISSN: 0974-2891).
10. **Singh, G. 2014.** The Impact of headline & celebrity on consumer mind and retention. ***Drishtikon: A Management Journal Symbiosis Centre for Management and Human Resource Development* 5, 18-25.** (ISSN - 0975-7848).
11. **Singh, G.,** Singhal, C. **2015.** Consumer mind & retention influenced by message, colour and slogan. ***Web Journal of Chinese Management Review* 18,** (ISSN - 1814 - 442X).
12. **Singh, G.,** Kumar, N. **2015.** Efficiency of marketing strategies used by small and medium scale Industries - A case of Uttarakhand. ***Pravana Management Review, a Journal of Pravana Centre for Management Research & Development* 14, 14-24**. (ISSN 09757201).
13. **Singh, G.,** Kumar, N. **2015.** The impact and assessment of customer satisfaction & loyalty on CRM. ***Journal of Marketing Vistas* 5, 12-24.** (ISSN 2249-9067).
14. **Singh, G.,** Kumar, N. **2015.** Marketing strategies efficiently used by small scale industries- A case of Uttarakhand. ***Journal of Marketing & Communication* 11, 15-28**. (ISSN: 0973-2330).
15. **Sinha, A.,** Arora, B. **2012.** Fit between organizational Culture and business Excellence: A case study of HEEP, BHEL. ***Vikalpa: The Journal for Decision Makers* 37, 19-27**. (ISSN: 0256-0909).
16. **Sinha, A. 2012.** Interpersonal style orientation of supervisors in Indian engineering organizations. ***Indian Journal of Industrial Relations* 48, 315-324**. (ISSN: 0019-5286).
17. **Sinha, A. 2013.** An organizational culture framework for EFQM model of business excellence: A case study of HEEP, BHEL. ***Gurukul Business Review* 9, 26-40**. (ISSN: 0973-1466).
18. Kumar, P., **Sinha, A. 2013.** Business excellence, its imperativeness and a review of major business excellence models adopted globally and in India. ***Business Review* 6, 93-113**. (ISSN: 0973-9076).
19. **Sinha, A. 2014.** Resonant leadership: Looking beyond traditional boundaries. ***Aayam* 14,** (ISSN: 2231-4326).
20. Munakhia, O.K., **Sinha, A. 2013.** Strategic framework for knowledge management to achieve organizational excellence. ***Excel International Journal of Multidisciplinary management studies* 3, 128**. (ISSN: 2249-8834).

21. Kumar, R., Anjum, B., **Sinha, A. 2011.** Cross cultural interaction and leadership behavior. ***Journal of Arts, Science and Commerce* 2, 151-160**. (ISSN: 2231-4172).
22. Kumar, R., Anjum, B., **Sinha, A. 2011.** Employee performance appraisal in hospital: who, what, how and when? ***Indian Journal of Commerce and Management Studies* 2**, (ISSN: 2249-0310).
23. Munakhia, O.M., **Sinha, A. 2012.** Knowledge Management: A strategic contribution of information technology in achieving organizational excellence. ***ZENITH International Journal of Multidisciplinary Research* 2, 296-310**. (ISSN: 2231-5780).
24. Prasad, M., Li, D-L., Lin, C-T, Prakash, S., **Joshi, S. 2015.** Designing Mamdani-type fuzzy reasoning for visualizing prediction problems based on collaborative fuzzy clustering. ***IAENG International Journal of Computer Science* 42, 404-411**.
25. Chou, K. P., Prasad, M., Lin, Y. Y., **Joshi, S.,** Lin, C. T., Chang, J. Y. **2015.** Takagi-sugeno-kang type collaborative fuzzy rule based system. ***Paper presented at the IEEE SSCI 2014: IEEE Symposium Series on Computational Intelligence - CIDM 2014: IEEE Symposium on Computational Intelligence and Data Mining, Proceedings,* 315-320.** doi:10.1109/CIDM.2014.7008684
26. **Joshi, S. 2014.** Web 2.0 and its Implications on globally competitive business model. In M. Pańkowska (Ed.) ***Frameworks of IT Prosumption for Business Development* 86-101**. Hershey, PA: Business Science Reference. doi:10.4018/978-1-4666-4313-0.ch007 (ACM Digital Library Indexed).
27. **Joshi, S. 2014.** Social networking in academic libraries: A state-of-the-art review of web 2.0 library applications, issues, and concerns. ***In Cyber Behavior: Concepts, Methodologies, Tools, and Applications* 992-1015**. Hershey, PA: Information Science Reference. doi:10.4018/978-1-4666-5942-1.ch052 (Scopus Indexed).
28. **Joshi, S.,** Sharma, M. **2014.** Blending green with lean - incorporating best-of-the-breed practices to formulate an optimum global supply chain management framework: Issues and concerns. In V. Modrák, & P. Semančo (Eds.) ***Handbook of Research on Design and Management of Lean Production Systems* 389-407**. Hershey, PA: Business Science Reference. doi:10.4018/978-1-4666-5039-8.ch018 (Reference Universe Indexed).
29. **Joshi, S. 2013.** E-Supply chain collaboration and integration: implementation issues and challenges. In D. Graham, I. Manikas, & D. Folinas (Eds.) ***E-Logistics and E-Supply Chain Management: Applications for Evolving Business* 9-26**. Hershey, PA: Business Science Reference. doi:10.4018/978-1-4666-3914-0.ch002 (Scopus Indexed).
30. **Joshi, S.,** Sharma, M. **2013.** Web 2.0: New collaborative tool for business excellence. ***CSI Communications* 36, 5-8**.

31. Sharma, M., **Joshi, S. 2012.** Creating Silicon Valley in Europe: public policy towards new technology industries. ***International Journal of Social Economics* 39, 738-740**.
32. **Joshi, S.,** Sharma, M., Singh, V.K. **2011.** ***Strategic Management- An Indian Perspective* 1-436**. LAP Lambert Academic Publishing, ISBN-10: 3844312013.
33. **Joshi, S.,** Sharma, M., Singh, V.K. **2011.** ***Research Handbook on Merger and Acquisitions in O&G Industry* 1-92**. LAP Lambert Academic Publishing, ISBN 978-3-8383-7757-5.
34. **Joshi, S. 2011.** ***Dictionary of Legal Terms* 1-242**. Excel Books. ISBN 978-8174469854.
35. **Joshi, S. 2011.** Identifying Indian industries supply chain potential and transformation and requirements: A study of India's best -in-breed, industry average vis-a-vis Laggards. ***Amity business review* 10,** (ISSN: 0972-2343).
36. **Joshi, S.,** Sharma, M. **2011.** Signifying approach of auditing in corporate governance in today's scenario. ***Vimarsh* 1,** (ISSN: 0976-5174).
37. Agarwal, A., **Joshi, S. 2015.** Tourism destination competitiveness from stakeholders' perspectives: Influences and evidence from Uttarakhand. ***International Journal in Management & Social Science* 2,** (ISSN: 2321-1784).
38. Agarwal, A., **Joshi, S., 2015.** Customer perspective in closed loop-sustainable tourism supply chain management: issues and concerns. ***International Journal in Management & Social Science* 2,** (ISSN: 2321-1784).
39. Agarwal, M., **Pathak, P. 2014.** Exploring possibilities of eco tourism in the economic and sustainable development of Kumaun region. ***International Journal of Trends in Economics, Management & Technology* 3, 22-28**.
40. **Pathak, P. 2013.** An exploratory study on Gender differences and perception of psychological well- being. ***Spectrum* 1, 84-89**.

School of Social Sciences (Total Number of Publications = 20)

1. **Ahmad, S**., Ahmad, I. **2010.** An analysis of the socio-economic activities of tourist interest in Kumaon Region of Uttarakhand. ***Johar* 5, 97**.
2. **Gupta**, **S**., **2014**. Modeling regional disparities for a balanced quality of life and apportioning public funding – a graph theoretical approach. ***Applied Research in Quality of Life* 10, 473-493.** (Springer, Japan). Impact Factor = 0.818.
3. **Gupta**, **S**., **2014**. Modeling district level economic disparities across Uttarakhand, India. ***IOSR Journal of Humanities and Social Sciences* 19**, **84-90**. Impact Factor = 1.607.
4. **Gupta**, **S**., **2014**. State, society and gender disparities in Bangladesh, India and Pakistan. ***IOSR Journal of Humanities and Social Sciences*** 19, **32-38**. Impact Factor = 1.607.

5. **Jaiswal**, **J**., **2014**. Gender and entrepreneurship: women workforce participation in development of entrepreneurships with reference of Uttarakhand region, *International Journal of Business and Management* **2**, **169-179**.
6. **Jaiswal, J**. **2014**. Strategies for deciding price of household commodities in Indian market, ***Excell International Journal of Multidisciplinary Management Studies* 4, 92-104**.
7. **Jaiswal**, **J**., **2014**. How supply chain network affect the growth of micro, small and medium enterprises in India. ***Asian Journal of Business and Economics* 4, 1-15**.
8. **Jaiswal**, **J**., **2014**. Environmental impact on SMEs growth and sustainability challenges and opportunities. ***Journal of Studies in Dynamics and Change* 1, 101-112**.
9. **Nayyar**, **R**., **2015**. A study on agriculture credit through formal sector in Uttarakhand. ***Vedaang Journal of Management* 6, 46-65**.
10. **Mohanty**, **S**. **S**., Bisht, M., Mohapatra, P., **2014**. Gender wage gap among salaried workers in India: results of a principal component analysis of state level statistics. ***Economic Affairs* 59**, **175-190**.
11. Saratchand, C., **Mohanty**, **S**.**S**., **2014**. Proportional representation electoral system: a stepping stone in the furthering of Indian democracy. ***Journal of Studies in Dynamics and Change* 1**, **208-213**.
12. **Mohanty**, **S**.**S**., **2014**. Technological expansion and some key labour market outcomes in marine fisheries sector in odisha, India. ***Journal of Studies in Dynamics and Change* 1**, **57-72**.
13. **Mohanty**, **S**. **S**., Singh, A., Sharma, P., **2014**. A decade of tryst with development aspirations in building Uttarakhand state. ***Asian Journal of Research in Social Sciences and Humanities* 4**, **363−384**.
14. **Mohanty**, **S**.**S**., **2014**. Environment, economy and society: critical conceptual linkages in the economics of nature. ***Journal of Studies in Dynamics and Change* 1**, **1-5**.
15. **Mohanty**, **S**.**S**., **2014**. Revisiting human behaviour through demand analysis: why a demand curve may not be downward sloping? ***International Journal of Economics, Commerce and Management* 5**, **1-12**.
16. **Mohanty**, S.S., Singh, A. **2014**. Agricultural produce market committee (APMC) act in Uttarakhand and its impact on agribusiness. ***International Journal of Marketing and Technology* 4**, **189−203**.
17. **Mohanty**, **S**. **S**. **2014**. Suppressor variable in determining targeted catch of exportable marine species in India. ***Asian Journal of Research in Business Economics and Management* 4,77-88**.
18. **Mohanty**, **S**.**S**., Acharya, N. **2015**. Implementing right to education in Uttarakhand: the missing links. Jha, P., Geetharani, P. (Eds) **Resources, Institutions and the right to education: india's continuing long walk** (Routledge-Taylor and Francis Group).

School of Physical Sciences (Total Number of Publications = 141)

(Note: School of Physical Sciences has been started in July 2015. Therefore, the provided details of publications belong to the research work of concerned faculty members which he/she carried out before joining Doon University.)

1. Gupta, H. C., **Sharma, V.,** Tripathi U. **2004.** Normal coordinate analysis of the orthorhombic trifluoride MF_3 (M= Gd, Tb, Er, Yb). ***Journal of Molecular Structure* 706, 85-88**. (Elsevier, Netherlands), Impact factor =1.4. Citation =1.
2. Gupta, H. C., **Sharma, V.,** Tripathi U, Rani, N. **2005.** Zone center frequencies of the orthorhombic $NdMnO_3$ perovskite. ***Journal of Physics and Chemistry of Solids* 66, 1314**. (Elsevier, Netherlands), Impact factor = 1.5.
3. Morawietz, T., **Sharma, V.**, Behler, J. **2012**. A neural network potential-energy surface for the water dimer based on environment-dependent atomic energies and charges. ***Journal of Chemical Physics* 136, 064103**. (American Institute of Physics, USA), Impact Factor =1.853. Citations = 15.
4. Gupta, H. C., **Sharma, V. 2007.** Lattice dynamic investigation of the Raman and infrared wavenumbers of orthorhombic R_2BaNiO_5 (R=Y, Gd) oxides in *Immm* structure. ***Journal of Raman spectroscopy* 38, 245-249.** (Wiley, USA), Impact Factor = 2.671. Citations = 5.
5. Gupta, H. C., **Sharma, V. 2005.** Lattice dynamic investigation of the Raman and infrared wavenumbers of orthorhombic R_2BaCuO_5 (R=Y, Ho, Gd) oxides. ***Journal of Raman spectroscopy* 36, 83-88.** (Wiley, USA), Impact Factor = 2.671. Citations = 4.
6. Gupta, H. C., **Sharma, V. 2007.** Lattice dynamics of tetragonal Nd_2BaZnO_5. ***Journal of Raman spectroscopy* 38, 1554-1560**. (Wiley, USA), Impact Factor = 2.671. Citations = 4.
7. Gupta, H. C., **Sharma, V. 2007.** Interatomic forces in *Pnma*, *Immm*, *P4/mbm* and *I4/mcm* phase of R_2BaMO_5 (R= Yttrium or lanthanides; M=Ni, Cu or Zn). ***Journal of Physics: Conference Series* 92, 012163**. (Institute of Physics, USA). Citation=1.
8. Gupta, H. C., **Sharma, V. 2008.** Lattice Dynamics of Y_2BaNiO_5 using *ab intio* approach. ***Proceedings of the 21st ICORS*** 641.
9. Morawietz, T., **Sharma, V.** Behler, J. **2012.** A neural network potential-energy surface for the water dimer based on environment-dependent atomic energies and charges. ***Journal of Chemical Physics* 136**, 064103.

(American Institute of Physics, USA), Impact factor = 3.2. Citations = 15.

10. **Sharma, H.**, Farsinezhad, S., Shankar, K. **2015**. Interfacial Band Alignment for Photocatalytic Charge Separation in TiO2 nanotube Arrays Coated with CuPt Nanoparticles. ***Physical Chemistry Chemical Physics* 17, 29723-29733**. (Royal Society of Chemistry, UK), Impact Factor = 4.493.
11. **Sharma, H.**, Krabbe, J., Farsinezhad, S., Van, A., Wakefield, N., Fitzpatrick, G., Shankar, K. **2015**. Mapping Stresses in High Aspect Ratio Polysilicon Electrical Through-Wafer Interconnects (ETWIs). ***Journal of Micro/Nanolithography, MEMS, and MOEMS (JM3)* 14, 024001-05**. (SPIE, USA), Impact Factor = 1.428.
12. Kar, P., Zhang, Y., Farsinezhad, S., Mohammadpour, A., Wiltshire, B. D., **Sharma, H.**, Shankar, K. **2015**. Rutile phase n- and p-type anodic titania nanotube arrays with square-shaped pore morphologies. ***Chemical Communications* 51, 7816-7819**. (Royal Society of Chemistry, UK), Impact Factor = 6.834.
13. Adl, A. H., Kar, P., Farsinezhad, S., **Sharma, H.**, Shankar, K. **2015**. Effect of sol stabilizer on the structure and electronic poperties of solution processed ZnO thin films. ***RSC Advances* 5, 87007-87018**. (Royal Society of Chemistry, UK), Impact Factor = 3.84.
14. **Sharma, H.**, Agarwal, D. C., Sharma, M., Shukla, A. K., Avasthi, D. K., Vankar, V. D. **2014**. Structure Modified Stress Dynamics and Wetting Characteristics of Carbon Nanotubes and Multilayer Graphene for Electron Field Emission Investigations. ***ACS applied materials & interface* 6, 12531-12540**. (American Chemical Society, USA), Impact Factor = 6.723. Citation = 2.
15. Kaushik, V., **Sharma, H.**, Shukla, A. K., Vankar, V. D. **2014**. Sharp Folded Graphene Ribbons Formed by CO_2 laser ablation for Electron Field Emission Studies. ***Vacuum* 110, 1-6**. (Elsevier, Netherlands) Impact Factor = 1.858.
16. Sharma, M., Gao, S. L., Mader, E., **Sharma**, **H.,** Leong, Y. W., Bijwe, J. **2014**. Carbon fiber surfaces and composite interphases. ***Composites Science and Technology* 102, 35-50**. (Elsevier, Netherlands) Impact Factor = 3.569. Citation = 25.
17. Patra, R. **Sharma, H.**, Ghosh, S., Vankar, V. D. **2014**. Geometrical shape dependence field emission from patterned Carbon nanotube array: A simulation based study. ***Advanced Materials Letters*** (VBRI Press, Sweden) Impact Factor = 1.9. Accepted.
18. Farsinezhad, S., Waghmare, P. R, Wiltshire, B. D., **Sharma**, **H.,** Amiri, S., Mitra, S. K., Shankar, K. **2014**. Amphiphobic surfaces from functionalized TiO_2 nanotube arrays. ***RSC Advances* 4, 33587-33598**. (Royal Society of Chemistry, UK), Impact Factor = 3.84. Citation = 2.

19. Benlamri, M., Bothe, K. M., Ma, A. M., Shoute, G., Afshar, A., **Sharma**, **H.,** Mohammadpour, A., Gupta, M., Cadien, K. C Tsui, ,Y. Y., Shankar, K, Barlage, D. W. **2014**. High-mobility solution-processed zinc oxide thin films on silicon nitride. ***Rapid Research Letters* 10, 871-875**. (Wiley, USA), Impact Factor = 2.14.
20. **Sharma, H.**, Agarwal, D. C., Sharma, M., Shukla, A. K., Avasthi, D. K., Vankar, V. D. **2013**.Tailoring of structural and electron emission properties of CNT walls and graphene layers using high energy irradiation, ***J Physics D: Applied Physics* 46, 315301- 315308**. (Institute of Physics, USA), Impact Factor = 2.721. Citations = 4.
21. **Sharma, H.**, Shukla, A. K., Vankar, V. D. **2013**. Influence of Fe nanoparticles diameters on the structure and electron emission studies of carbon nanotubes and multilayer graphene. ***Materials Chemistry and Physics* 137, 802-810**. (Elsevier, Netherlands), Impact Factor = 2.225. Citations =2.
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23. **Sharma, H.**, Agarwal, D. C., Shukla, A. K., Avasthi, D. K., Vankar, V. D. **2012**. Surface enhanced Raman scattering and fluorescence emission of gold nanoparticles-multiwalled carbon nanotubes hybrid. ***Journal of Raman Spectroscopy* 44, 12-20**. (Wiley, USA) Impact Factor = 2.671. Citations = 18.
24. **Sharma, H.**, Shukla, A. K., Vankar, V. D. **2012**. Structural modifications and enhanced Raman scattering from multiwalled carbon nanotubes grown on titanium coated silicon single crystals. ***Thin Solid Films* 520, 1902-1908.** (Elsevier, Netherlands), Impact Factor =1.759. Citations = 2.
25. Kauhsik, V., **Sharma, H.**, Vankar, V. D. **2012**. Recent Developments in the Growth and Properties of Carbon Nanotubes and Carbon Nanostructures: A Review. ***International Journal of Green Nanotechnology* 4, 534-540**. (Taylor & Francis, USA), Impact Factor =0.9.
26. Kaushik, V., **Sharma, H.**, Girdhar, P., Shukla, A. K., Vankar, V. D. **2011**. Structural modification and enhanced electron emission from multiwalled carbon nanotubes grown on Ag/Fe catalysts coated Si substrates. ***Materials Chemistry and Physics* 130, 986-992**. (Elsevier, Netherlands), Impact Factor = 2.225. Citations = 3.

27. **Sharma, H.**, Shukla, A. K., Vankar, V. D. **2011**. Effect of titanium interlayer on the microstructure and electron emission characteristics of multiwalled carbon nanotubes. ***Journal of Applied Physics* 110, 033726-36**. (American Institute of Physics, USA), Impact Factor = 2.183. Citations = 7.

28. **Sharma, H.**, Kaushik, V., Girdhar, P., Singh, V. N., Shukla, A. K., Vankar, V. D. **2010**. Enhanced electron emission from titanium coated multiwalled carbon nanotubes. ***Thin Solid Films*** **518, 6915-6920**. (Elsevier, Netherlands), Impact Factor =1.759. Citations = 13.
29. Sharma, M., **Sharma, H.,** Raina, K. K., **2008**. La^{3+} substituted lead calcium titanate ceramics. ***Journal of Physics and Chemistry of Solids*** **69, 2584-2588**, (Elsevier, Netherlands), Impact Factor =1.853. Citations = 3.
30. **Sharma, H.**, Avasthi, D. K., Shukla, A. K., Vankar, V. D. **2012**. Au-nanoparticles-MWCNT hybrids demonstrating enhanced fluorescence and Raman spectroscopy. *AIP conference Proceedings***, 1451, 58-60.** (American Institute of Physics, USA), Impact Factor = yet to establish. Citation = 1.
31. Kaushik, V., **Sharma, H.**, Shukla, A. K., Vankar, V. D., **2012**. Modification in Surface Morphology and Enhanced Field Emission Properties of Pristine Carbon Nanotubes by Introducing Nitrogen Gas, *AIP conference Proceedings***, 1451, 148-150**. (American Institute of Physics, USA), Impact Factor = yet to establish. Citation =1.
32. **Sharma, H.**, Shukla A. K., Vankar V. D. **2010**. Effect of Titanium on the growth and field emission, properties of PECVD grown multiwalled carbon nanotubes, ***Proceedings of NSTI-Nanotech Conference*****, 1, 300-303**. (NSTI, USA).
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130. Sinha, T. A. K., Agrawal, P. N., Gairola, A.R **2013.** Saturation theorem for an iterative combination of Bernstein-Durrmeyer polynomials. ***Gen. Math.* 21, 85-96**.
131. **Komal, 2015**. Fuzzy fault tree analysis for patient safety risk modeling in healthcare under uncertainty. ***Applied Soft Computing* 37, 942-951**. (Elsevier, Netherlands), Impact Factor- 2.810.
132. **Komal,** Chang, D., Lee, S.Y. **2015.** Fuzzy reliability analysis of dual-fuel steam turbine propulsion system in LNG carriers considering data uncertainty. ***Journal of Natural Gas Science & Engineering* 23, 148-164**. (Elsevier, Netherlands), Impact Factor- 1.406.
133. **Komal,** Sharma, S.P. **2015.** Two phase approach for performance analysis and optimization of industrial systems using uncertain data. ***International Journal of Operational Research Inderscience.*** (**Accepted**)

134. **Komal, 2015.** An integrated approach for fuzzy reliability analysis and resource allocation of a repairable industrial system. ***International Journal of Industrial and Systems Engineering*** **Inderscience.** (**Accepted**)
135. **Komal,** Sharma, S.P. **2014.** Fuzzy reliability analysis of repairable industrial systems using soft-computing based hybridized techniques. ***Applied Soft Computing*** **24, 264276** (Elsevier, Netherlands), Impact Factor - 2.810.
136. **Komal, 2014.** Fuzzy Reliability Analysis of Plastic-Pipe Manufacturing System Using Non-linear Programming Approach. ***International Journal of Industrial and Systems Engineering*** **17, 98-114**. Inderscience.
137. **Komal,** Sharma, S.P., Kumar, D. **2010.** RAM Analysis of Repairable Industrial Systems Utilizing Uncertain Data. ***Applied Soft Computing*** **10, 1208-1221**. (Elsevier, Netherlands), Impact Factor- 2.810.
138. Sharma, S.P., Kumar, D., **Komal**, **2010.** Stochastic Behavior Analysis of the Feeding System in a Paper Mill Using NGABLT Technique. ***International Journal of Quality and Reliability Management*** **27, 953-971**. Emerald.
139. **Komal**, Sharma, S.P., Kumar, D. **2010.** Stochastic Behavior Analysis of the Forming Unit in a Paper Mill Using NGABLT Technique. ***Journal of Quality in Maintenance Engineering*** **16, 107-122**. Emerald.
140. **Komal**, Sharma, S.P., Kumar, D. **2010.** Stochastic behavior and performance analysis of an industrial system using GABLT technique. ***International Journal of Industrial and Systems Engineering*** **6, 1-23**. Inderscience.
141. **Komal,** Sharma, S.P., Kumar, D. **2009.** Stochastic behavior analysis of the press unit in a paper mill using GABLT technique, ***International Journal of Intelligent Computing and Cybernetics*** **2, 574-593**. Emerald.

School of Design (Total Number of Publications = 1)

1. **Dhaundiyal, D.**, Dhaundiyal, S. **2015.** Understanding behavior change through particular social-engineering in the context of green governance: A public policy meta analysis. **Paper presented at the *Third ICSSR Northern Regional Social Science Congress.* (Selected for forthcoming Conference Proceedings)**.

3.4.3 Give details of

∗ **Faculty serving on the editorial boards of national and international journals**

1. Prof. K. Arunachalam, Associate Editor, Jourrnal of Sustainable Environmental Research (ISSN: 2778: 196X).

2. Prof. K. Arunachalam, Editorial Board member, ESSENCE, International Journal for Environmental Rehabilitation and Conservation (ISSN: 0975: 6272).
3. Prof. K. Arunachalam, Editorial Board Member, World Research Journal of Bioinformatics (e-ISSN: 2348: 5566).
4. Prof. K. Arunachalam, Editorial Board Member, Medicinal Plants (ISSN: 0975: 4261).
5. Dr. S. S. Suthar, Member - Editorial Board: International Journal of Recycling of Organic Waste in Agriculture (Springer, USA).
6. Dr. S. S. Suthar, Member - Editorial Board: Open Journal of Pollution and Treatment (Scientific Online Publications).
7. Dr. S. S. Suthar, Member - Editorial Board: Journal of Environment Science & Sustainability, India.
8. Dr. S. S. Suthar, Member - Editorial Board: International Journal of Sustainable Materials, IRED, USA.
9. Dr. S.S. Suthar, Member - Editorial Board: International Journal of Environmental Engineering.
10. Dr. S. Naithani, Editor, International Journal of Advanced Remote Sensing and GIS, Cloud Journals (Cloud Publications LLP, Delhi, India).
11. Dr. S. Naithani, Member - Editorial Board: International Scholarly Research Journal for Interdisciplinary Studies, (Maharashtra, India).
12. Dr. V. Sridhar, Review Editor, Frontier Journal, Nature Publication Group in Environmental Toxicology.
13. Dr. G. Singh, Editor, GUMBAD Business Review.
14. Dr. G. Singh, Editor, Management Vision.
15. Dr. G. Singh, Editor, International Journal of Management & Science.
16. Dr. S. Singh, Member – Editorial Board: Journal of Biomechanics (Elsevier).
17. Dr. A.R. Gairola, Member – Editorial Board: International Journal of Mathematica (Shoolini University, Solan, H. P., India)
18. Dr. A.R. Gairola, Member – Editorial Board: International Journal of Engineering & Mathematical Sciences (Dolphin Research Foundation, New Delhi, India).
19. Dr. A.R. Gairola, Member – Editorial Board: American Journal of Mathematical Analysis, (Science and Education Publishing, USA).
20. Dr. A.R. Gairola, Member – Editorial Board: Applicable Analysis & Discrete Mathematics. Journal of Inequalities and Applications.
21. Dr. A.R. Gairola, Member- Editorial Board: British Journal of Mathematics & Computer Science (West Bengal, India).
22. Dr. A.R. Gairola, Member- Editorial Board: Asian Journal of Mathematics and Computer Research, (International Knowledge Press, West Bengal, India).

23. Dr. A.R. Gairola, Member- Editorial Board: Journal of Mathematical Sciences and Applications (International Knowledge Press, West Bengal, India).
24. Dr. A.R. Gairola, Member- Editorial Board: Functional Analysis, Approximation and Computation.
25. Dr. Komal, Member- Editorial Board: International Journal of System Science (Elsevier).
26. Dr. Komal, Member- Editorial Board: International Journal of Quality and Reliability Management (Emerald).
27. Dr. Komal, Member- Editorial Board: ISA Transactions (Elsevier).
28. Dr. Komal, Member- Editorial Board: International Journal of Systems Science (Taylor & Francis).
29. Dr. S. S. Mohanty**,** Member – Editorial Board: Journal of Studies in Dynamics and Change.
30. Dr. R. Kumar, Member – Editorial Board: G Quest, (Galgotia University, Noida, India).

***Faculty serving as Members, Life Members and on Panels of Committees.**

1. Dr. J.K. Sharma was appointed as an International Forestry Policy Expert for Thailand for drafting National Forest Policy and Forest Act for Thailand during November-December, 2011.
2. Dr. J.K. Sharma was a member Statutory Committee in EIA, Appraisal Committee (EAC) for River Valley and Hydroelectric Projects, MoEF, GOI (2012-2014).
3. Dr. J.K. Sharma, Expert Member, Expert Group A - Conservation and Sustainable Utilization of Natural Resources, MOEF, 2013-2017.
4. Dr. J.K. Sharma, Expert Member in Environmental Appraisal Committee (EAC) for EIA for River Valley and Hydro-electric Projects. 2013-2017.
5. Dr. G.B. Pant was appointed Chairman of the Thematic Panel on Global warming and Climate Change for the Indian Social Science Congress 2012.
6. Dr. G.B. Pant was appointed as Chairman of the Research and Development Council of the Snow and Avalanche Study Establishment (SASE), DRDO Ministry of Defense, Government of India.
7. Prof. K. Arunachalam appointed as Fellow of Tropical Ecology, 2011 by International Society of tropical Ecology.
8. Prof. K. Arunachalam appointed as Fellow of Academy of Forests and Environmental Sciences, 2014.
9. Prof. K. Arunachalam nominated as Member, Academic Council, HNB Medical University, Dehradun, 2014.
10. Prof. K. Arunachalam nominated as Member, Executive Council, Herbal Research & Development Institute, Gopeshwar, 2014.

11. Prof. K. Arunachalam, Life member- Indian Society of Soil and Water Conservation, Dehradun.
12. Prof. K. Arunachalam Life member- Bamboo Society of India, Bangalore.
13. Prof. K. Arunachalam Life member- Social Science Research Institute of Arunachal, Itanagar.
14. Prof. K. Arunachalam Life member- Indian Society of Tropical Forestry, Jabalpur.
15. Prof. K. Arunachalam Life member- Indian Science Congress Association, Kolkata.
16. Prof. K. Arunachalam Life member- National Institute of Ecology, New Delhi.
17. Prof. K. Arunachalam, Life member - International Society of Environmental Botanists, Lucknow.
18. Prof. K. Arunachalam, Life member- National Environmental Science Academy, New Delhi.
19. Dr. S. S. Suthar, Member - Commission on Ecosystem Management (CEM), International Union for Conservation of Nature (IUCN), Switzerland (2009 – 2012, May 2013 - 2016).
20. Dr. S.S. Suthar, Member – CEM South Asia, IUCN, Switzerland (2013 – 2016).
21. Dr. S.S. Suthar, Member - International Society for Environmental Information Sciences, Canada (2013 – onwards).
22. Dr. S.S. Suthar, Senior Member – Universal Association of Computers & Electronics Engineers, USA.
23. Dr. S.S. Suthar, Member – Senior Category, Institute of Research Engineers and Doctors, USA (2014 – onwards).
24. Dr. S.S. Suthar, Member Asia-Pacific Chemical, Biological& Environmental Engineering Society (APCBEES), Hong Kong (Senior member, Appointed on Aug. 2011).
25. Dr. S.S. Suthar, Member- International Society of Organic Agriculture Research (ISOFAR), Bonn, Germany (Appointed on Jan., 2010).
26. Dr. S.S. Suthar, Expert Member Review Panel – National Research Grant Proposal, National Center of Science and Technology Evaluation, Ministry of Education and Science, Republic of Kazakhstan (2014).
27. Dr. S.S. Suthar, Expert Member Review Panel, Research Grant Proposal - Latvian Science Council (Republic of Latvia) (2010).
28. Dr. S.S. Suthar, Expert Member Review Panel, research grant proposal - For international project proposals, International Foundation of Science (Sweden) (2009).
29. Dr. S.S. Suthar, Member - Expert Panel for the Programme Designing Committee – M.Sc. Environmental Science (IGNOU, New Delhi).

30. Dr. S. Naithani, nominated national level jury member nominated by DST and the State Organizing Committee, NCSC, of National Children Science congress (NCSC), DST**.**
31. Dr. S. Naithani, Chairman**,** State Draft Committee. Uttarakhand State for preparing State Crises Management Plan (CMP) and Standard Operation Procedures (SOP's), Govt. of Uttarakhand, 21/4/2010.
32. Dr. S. Naithani, Uttarakhand State Academic Coordinator Uttarakhand; People's Association of Hill Area Launchers from 17.6.2014 to 17.6.2016.
33. Dr. V. K. Saini, Member, International Adsorption Society, Materials Research Society of India, 2014.
34. Dr. S. Singh, Member, American Mathematical Society.
35. Dr. S. Singh, Member, American Society of Biomechanics.
36. Dr. S. Singh, Member, European Mathematical Society.
37. Dr. S. Singh, Member, Trinity Medical Society.
38. Dr. S. Singh, Member, France Mathematical Society.
39. Dr. S. Singh, Member, Indian Society of Biomechanics.
40. Dr. C. Dwivedi, Life member, Indian Society of Radiation & Photochemical Sciences.
41. Dr. C. Dwivedi, Life member, Society for Materials Chemistry.
42. Dr. H. Sharma, Life member, Materials Research Society.
43. Dr. S. S. Mohanty**,** Member - Campaign Coordination Committee of WNTA, Indian Chapter of the Global Call for Action Against Poverty, New Delhi.
44. Dr. S. S. Mohanty, nominated as a thematic mentor and guide on policy research of the policy activist group "YSD-Orissa" for 2015.
45. Dr R. Kumar, Member of International Association for Media and Communication Research (IAMCR);
46. Dr H. Dobhal- Member, Press Club of India; reviewer of ICSSR research proposals; on the review panel of Sage Publications.

∗ Faculty serving as members of steering committees of international conferences recognized by reputed organizations / societies

Nil

3.4.4 Provide details of

Research awards received by the faculty and students

- **Faculty**

1. Prof B.R. Deepak, Visiting Professor, Department of Chinese became the first Indian to win Chinese Literary Award for his Book on Chinese Poetry 11th Century BC to 14th Century BC on August 30, 2011.

2. Dr. R. N. Sharma was selected by the ICSSR of India & Chinese Academy of Social Science in 2009.
3. Mr. Madhurendra Kr Jha:
   (1) Selected as young sinologist to represent India in the Visiting Program for Young Sinologists, 2015 organized by the Ministry of Culture, People's Republic of China and Chinese Academy of Social Sciences held at Beijing, China from July 5-24, 2015.
   (2) Selected as 'Young Sinologist' from India by Ministry of Culture, People's Republic of China and Chinese Academy of Social Sciences for the "2014 Young Sinologists Research Program" held during July 1, 2014 to July 23, 2014 in Beijing organized by Ministry of Culture, People's Republic of China and Chinese Academy of Social Sciences.
4. Dr. S.S. Suthar awarded Medal for Excellence in Science, Technology & Education, 2013, Szent Istvan University, Hungary.
5. Dr. S.S. Suthar awarded NUFFIC Fellowship - Govt. of Netherlands (July 2011) to study a course on Solid Waste Management at UNESCO-IHE, Delft, Netherlands.
6. Dr. Sudhanshu Joshi received South-Asian LIS Award (Highly Commending Research Award) 2012, Emerald Group Publishing Limited, United Kingdom (UK)

● **Students :**

1. Ms. Anukriti Bisht, an MA student was awarded MHRD Scholarship of one year study in China in the year 2014.
2. Ms. Himalee Kuksal , an MA student was awarded MHRD Scholarship of one year study in China in the year 2015.
3. Ms Shomia Biswas attended "Study and Field work camp" arranged by YUNNAN UNIVERSITY, KUNMING. May-June 2013.
4. Ms. Srishty Naudiyal of B.A. 2nd Year, Won 3rd Prize in National Level Japanese Language Essay Contest organized by Japanese Language Teachers Association of India (JALTAI) in 2015.
5. Mr. S. Bandappa of B.A. 1st Year, Won 2nd Prize in National Level Japanese Language Essay Contest organized by Japanese Language Teachers Association of India (JALTAI) in 2014.
6. Four students of B.A. 2nd Year (Ms. Shakshi Negi, Ms. Kajal Bragta, Mr. Ankit Istwal and Mr. Tarun Negi) visited Japan under Jenesys 2.0 Scholarship Programme in September 2014.
7. Five students of B.A. 1st Year (Ms. Srishty Naudiyal, Ms. Mohini Paswan,Mr. Sachin Negi, Ms. Sugandh Sharma and Ms. Jyoti Karnatak) visited Japan under Jenesys 2.0 Scholarship Programme in May 2014.
8. Mr. Rahul Kothiyal, a 2011 pass out student of M.A. in Communication has been awarded Ramnath Goenka Award for excellence in Journalism (Hindi Print Media).

9. Mr. Parth Joshi, a student of Integrated M.A.in Communication received a Certificate of Merit at UNESCO-CEMCA COMMUNITY RADIO VIDEO CHALLENGE held at New Delhi, India (2014).
10. Ms. Poonam Negi, M.Sc student won Young Scientist award in Environmental Science in 5th Uttarakhand State Science Congress organised by Uttarakhand State Science & Technology Council during 10-12 November, 2010 at Almora.
11. Mr. Ashish Soni was awarded best poster award in Indo-German Workshop on "Challenges and Opportunities in Air Pollution and Climate Change -2" (CHOPC-2) India Germany 2013 " Infinite Opportunities Program" on 23rd -25thJanuary 2013 held at Sri Ramachandra University Chennai. Title of the poster was "Emission Inventory of Coarser Particulate Matter (PM10) form the industrial source over the India.
12. Ms. Rubia Zahid Gaur, Ph.D, Envitronmental Science awarded – Israel Government Fellowship 2015-2016.
13. Ms. Garima Gupta, M.Sc Environmental Science awarded – New Castle University Overseas Research Scholarship 2015-2018.
14. Ms. Bhawna Pandey, M.Sc. Environmental Science awarded DST Women Scientist under DISHA Scheme, 2014.
15. Ms. Anvita Pandey (2015), presented a Paper and a poster in an International Conference "NEEDS" organized by University of Copenhagen, Denmark funded by NORDRESS, Iceland.
16. Ms. Anvita Pandey (2015), presented a paper in the 4th Annual Kathmandu Conference on Nepal and the Himalaya organized by Social Science Baha in partnership with Association for Nepal and Himalayan studies, British-Nepal Academic Council and Centre for Himalayan Studies in Kathmandu, Nepal.
17. Ms. Anvita Pandey, worked as a Volunteer Researcher (2014) in the Ecosystem Services for Poverty Alleviation project in collaboration with University of Cambridge, UK.
18. Ms. Anvita Pandey, worked as a Volunteer Researcher (2015) in a Disaster Management project in collaboration with University of Cambridge, UK.
19. Ms. Charu Negi and Mr. Sudhanshu Naithani, students, M.Sc. Integrated Chemistry, have been selected for attending a camp of NIUS (National Initiative of Undergraduate Science) in Mumbai, being organised by Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research (TIFR) during 23 December 2015 to 31 December 2015.

* **National and International recognition received by the faculty from reputed professional bodies and agencies**

1. Prof. Kusum Arunachalam nominated as Fellow of Tropical Ecology, 2011.
2. Prof. Kusum Arunachalam nominated as Fellow of Academy of Forests and Environmental Sciences, 2014.

3.4.5 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the university participate in *Shodhganga* by depositing the Ph.D. Theses with INFLIBNET for electronic dissemination through open access?

The University started its research programme only in the year 2012. The School of Environment & Natural Resources was the first school to admit 6 Ph.D students in 2012. At present there are 35
students registered for Ph.D in SENR, 3 in School of Communication, 15 in School of Management and 5 M.Phil students in the Department of Economics. About 5 students are expected to submit the Ph.D thesis in next 6 months.
Yes, the University will participate in Shodhganga by depositing the Ph.D thesis with INFIBNET.

3.4.6 What is the official policy of the university to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

The University has made provision of having software for plagiarism to check the originality of the research work. The University has decided to adopt 80% originality in research work excluding the references. The software is accessible to all members of university. Software (URKUND) is installed in Central Library of University.

3.4.7 Does the university promote interdisciplinary research? If yes, how many interdepartmental / interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?

Yes: There are a number of ongoing research works, leading to PhD, in SENR which are of interdisciplinary nature. However, with the recently established SoPS, the interdepartmental research projects within as well as SENR are envisaged.

3.4.8 Has the university instituted any research awards? If yes, list the awards.

The Chancellor of the University has instituted a research award for all the

Uttarakhand State Govt. universities, including Doon University.

3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?

As of now financial support to all faculty members limited to Rs. 20,000 is provided to present their research contribution in National and International conferences.

3.5 Consultancy

3.5.1 What is the official policy of the University for Structured Consultancy? List a few important consultancies undertaken by the university during the last four years.

The University has an approved policy for facilitating consultancy process, both institutional and individual. In case of the latter, the fiscal share is 60:40.

1. Preparation of Status Report on Climate Change of Uttarakhand funded by GIZ, 2012-13.
2. Refresher Cum Capacity Building of ADSOs on Official Statistics funded by Directorate of Economics and Statistics, Government, 2015.
3. Political Economy of Building a New State funded by GIZ, Germany and Govt. Of Uttarakhand, 2010.
4. Policy Making & Environment Statistics for Sustainable Development funded by Directorate of Economics and Statistics, Government, 2015.

3.5.2. Does the university have a university-industry cell? If yes, what is its scope and range of activities?

Yes: University has Entrepreneurship and Skill Development Cell (ESDC)

ESDC is in its nascent state as on 21 October 2015 but it has a promising potential to become the largest functional unit of the university. It needs to be financially sustainable and well integrated in the University's core structure of quasi-academic operations. At the same time, it is necessary to involve external stakeholders in the development of the cell, in order to raise funds for the activities of the cell as well as the university and encourage the external stakeholders to invest financially and intellectually in the upcoming operations of the cell.

Proposed Vision Statement of ESDC

The vision of ESDC is to create a sustainable entrepreneurial environment of learning for the students in the university.

The cell with broad objectives as under is formed to advance an urge for capacity building, encourage entrepreneurial thinking, promote applied

knowledge, and instil confidence in each and every student at Doon University.

Broad Objectives

To make efforts towards integrating vocational knowledge, entrepreneurial thinking and activity, business knowledge, and commercial awareness, etc., in the existing educational activities of the university.

To instil confidence, inspire and build momentum among the entire student body.

To organise seminars, workshops, symposiums etc., in order to stimulate participation and interaction between students, entrepreneurs, alumni, faculty and prominent individuals in the academic fields dealt by the university.

To undertake research, consultancy and business projects in related fields both for the creation of knowledge as well as for mobilisation of resources to promote the activities related to entrepreneurship and skill development.

To undertake any other activity that may be helpful for the promotion of the vision and mission of the cell.

School of Physical Sciences: The School plans to initiate very short term training and capacity building programmes through the ESDC on;

(1) Technologies for micro and small enterprises on marketable products like smoke free mosquito repellent, environment friendly detergents, and devices for use of renewable energy sources.

(2) Capacity building activities for entrepreneurs in the field of soil testing technologies, magic sciences and so on.

School of Social Sciences:

(1) Short term courses on actuarial methods.

(2) Short term courses on computational statistics through computer packages.

(3) Short term courses on Stock market dynamics and online trading.

School of Management:

(1) Short term course on business accounting.

(2) Short term courses on Software packages on accounting and record keeping.

(3) In partnership with School of Social Sciences, the school of management would venture into conferences, symposiums and workshops on entrepreneurship development.

School of Languages:

(1) Short term courses on translation and transcription.

3.5.3. What is the mode of publicizing the expertise of the University for Consultancy Services? Which are the departments from whom consultancy has been sought?

The University has a website containing faculty list in different areas of specialization to help facilitate the Agencies to identify appropriate person for consultancy assignments. So far, the University has provided consultancy

services to Directorate of Economics and Statistics of Govt. of Uttarakhand and also international agencies such as GIZ and also for Govt. of Thailand and Bhutan in broader areas of Environment and Natural Resources.

3.5.4. How does the university utilize the expertise of its faculty with regard to consultancy services?

The University encourages individual faculty members to take up Consultancy, with a ratio of 40% revenue to University and 60% to the member concerned.

3.5.5. List the broad areas of consultancy services provided by the university and the revenue generated during the last four years.

S.No.	Area of Consultancy	Revenue Generated (INR)
1	Climate Change	7 lakhs
2	Refresher Cum Capacity Building of ADSOs on Official Statistics	6 lakhs
3	Policy Making & Environment Statistics for Sustainable Development	3.18 lakhs

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the university sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.

From the past four-five years, the University has excelled itself in handling the extension and outreach programmes.
University has adopted five nearby villages. Every student volunteer is allocated one of the villages. A student is expected to spread awareness about, environmental issues, women's issues, disabilities issues, de-addiction, human rights issues, educational work with children from underprivileged communities.
The nature of the work includes conducting various types of surveys (need assessment surveys, impact assessment surveys, child labour survey, health survey, pension survey), organizing awareness campaigns, collection drives (clothes, books, toys and e-waste), conducting art craft workshops, assisting in administrative work, helping with school annual days and other functions.
List of major programmes:

1. Conducting citizen surveys on waste management practices of commercial establishments on Bindal and Rispana rivers, Dehradun; Need assessment surveys of housing societies, organizing waste collection drives; doing case studies, advocacy work and participating in eco friendly practices under Swach Bharat Abhiyan, dealing with solid waste management.
2. Conducting workshops on issues like Film Appreciation, Women Journalist Sensitization, Digital India, Climate Change, Solid Waste Management, Air pollution, Gender equality and Health.
3. Promoting eco-friendly practices on campus and organizing campaigns like 'Say No to plastic' and e-waste awareness and collection drive as a part of Green Campus Initiative.
4. Conducting social surveys on government's flagship schemes like RTI, RTE, MGNREGA, Vidhva Pension Scheme, Mid day meal, etc.
5. Poster completions on the themes like Expressing India through Colors, Typography Day, Save Environment etc.

3.6.2 How does the university promote university-neighbourhood network and student engagement, contributing to the holistic development of students and sustained community development?

The University is committed to holistic and integrated education that aims at making students intellectually sharp, socially responsible, culturally creative, emotionally resilient and physically strong. The University has a well established Adopted Village project that works with neighbourhood villages in the areas of citizenship education, health awareness and women's issues fostering reciprocal learning where both the students and the recipients of service benefit from suchactivities.
Several students' units also work with waste pickers' organization and conduct awareness programs like waste segregations drives, use of eco-friendly products, reducing plastics in our daily lives etc.
Poster exhibitions and street plays on the issue of environment, displacement, gender equality and sexual harassment have been conducted in the University and nearby villages as a part of disseminating awareness
Important days like – Human Rights Day (December 10), Gandhi Jayanti (January 30), Independence Day (August 15) and special days and occasion with themes like Women's rights, Child labour, Environmental Rights and Rights of people with disabilities are taken. These activities create awareness amongst students about issues of human rights, importance of the Indian Constitution, rights and duties of Indian citizens, and problems of vulnerable sections of society.

3.6.3 How does the university promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programs?

At the beginning of each academic year, the Programme Officer(s) of NSS unit brief the students about the aims and objectives of their activities and subsequently students are enrolled in these units. Academic and career benefits are also discussed with the students who wish to participate in these activities.

• Financial assistance for support facility are given to the students and teachers participating in the extension activities. Leave of absence is also granted to them for such type of activities.

• NSS: The University has a very pro active NSS unit. Various programmes and special camps are organized by NSS unit with the focus on instilling social sensitivity and leadership qualities amongst students.

The work of the students organizing and participating in these activities is recognized by mentioning their contribution in the University magazine/tabloid, by award of certificates/ prizes and by appreciation in the faculty meetings, and on Independence and Republic Day.

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the university to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

Thyere has been various social surveys, research and extension works undertaken by the University. One such initiative was a wall bulletin 'Ek Prayaas' on avillage where there was no connectivity . The bulletin was sent to the government and as a result some initiatives have been taken to gear up the residents' lives. Issues taken up for the projects and surveys, deal with the lives of the underprivileged sections of the society. Also students belonging to vulnerable and marginalized sections of the society are involved in such activities.

3.6.5 Does the university have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?

Creating awareness about one's rights and duties, working to uphold the human rights of the vulnerable sections of the society, protecting the environment, instilling patriotism are ways in which the University promotes citizenship education. Observation of Human Rights Day, celebrating Indian democracy, creating a zero waste model on campus and related activities is monitored by student coordinators and the teacher in charge appointed for each of these activities.

Feedback from the students is taken which indicates institutional performance. It helps in assessing the quality of academic inputs for all programmes. Apart from this, students are offered an open platform to express their views on all

the activities of the University. This has helped in planning and reorganizing the activities from time to time.

3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the university, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.

Social Outreach is an integral part of University educational programme which inculcates a sense of social responsibility amongst students. These programs engage students in meaningful social service that meets community needs. The University has taken several steps towards making class room learning more effective, enduring and meaningful.

a. Students also develop several skills like organizational skills – from planning to execution to evaluation; interpersonal skills – team work, cooperation; communication skills – (oral, written, report writing), and others (posters, street plays) and research skills.
b. Universal and enduring values like democracy, peace, justice, tolerance, compassion, equality; pluralism and co-operation are inculcated through these programmes.

3.6.7 How does the university ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the university which have encouraged community participation in its activities.

a. People's participation is ensured at all levels of planning, implementation and follow-up of University activities. Programs are worked out keeping in mind people's needs, concerns and aspirations. A poster exhibition celebrating RTI week was organized for village residents. Apart from this, sessions on government's flagship programs were also conducted.
b. In collaboration with Pratham, an NGO working on welfare issues, the students participated in the various developmental campaigns which wereabout making city meaningful.
c. Through the medium of street plays and posters, the University reaches out to the wider community on issues of female foeticide, violence against women, environmental awareness and water shortage etc.
d. As a part of 'Waste Management Drive', the University undertook a survey of Bindal and Rispana rivers, Dehardun.
e. Every year students participate in 'Green clean campaign' to spread awareness about Swach Bharat.

3.6.8 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

University was awarded for Managing Solid Waste in the campus by UCOST in 2012.

3.7 Collaboration

3.7.1 How has the university's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the university benefitted academically and financially because of collaborations?

All Science departments, Humanities, and Management departments have developed linkages with institutes, laboratories and industries. Over a period of years these efforts have helped in student projects especially for post graduate students. Students get an opportunity to work with industries and work on 'live projects'. Students of Social Sciences get benefit from NGOs like Pratham, RLEK, HESCO etc. with regard to survey based projects and internships.

3.7.2 Mention specific examples of how these linkages promote *

Curriculum development: The experience gained through interaction and feedback from academic, research and outreach activities helped in identifying the new emerging and job oriented areas, which could be included while updating the curriculum.

Internship: Students of Environment Sciences, Social Sciences, and of professional courses like M.Tech. and M.C.A. gain hands-on-experience of real life situations through internship in various organizations / industrial establishments.

On-the-job training: Students of courses in Media and management undergo on job training in industries related to respective subjects.

Faculty exchange and development: Through linkages, the university and other institutes have helped in arranging faculty exchange and academic development. The faculty exchange involves guest lectures on specialized topics and visits to different institutes

Research: Joint research programmes with research institutes have helped the faculty and students in conducting research in diverse areas like natural resources and environmental monitoring. Students and faculty are able to access sophisticated equipments and on line journals.

Publication: Joint research publications with universities and research institutions have enhanced the academic standard of faculty and students. This has resulted in a wider academic recognition to the University.

Consultancy: The collaborations with local bodies, NGOs and other institutes have helped us in identifying our strengths in various areas. These are instrumental in enhancing competency and expertise in faculty and students.

Extension: Associations with various GOs and NGOs helped in strengthening our network with the community and were also instrumental in fulfilling our social responsibilities.

Student placement: The number of industries visiting the University for Campus Interviews has increased due to linkages with industries. Large number of students have benefited in getting placement offers through on the-job training and internship programmes.

3.7.3 Has the university signed any MoUs with institutions of national/international importance/other universities/ industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the university?

Yes: University has signed MoU with premier research Institutions of repute such as:

1. Indian Institute of Petroleum, Dehradun.
2. Wadia Institute of Himalayan, Geology, Dehradun
3. Indian Instiute of Remote Sensing, Dehradun
4. Instruments Research and Development Establishment (IRDE), Dehradun
5. University of Osnabruck, Germany

3.7.4 Have the university-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

Chair for Public Policy has been established by NTPC in School of Social Sciences, Doon University. The centre has developed documents and reports on various socio-economic aspects of the governance of the state. The Centre has been instrumental in supporting policy making in the state.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 How does the university plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The Government of Uttarakhand allocated 55 acres of land to the University in Kedarpur, Dehradun. The first Vice Chancellor of Doon University prepared a campus site development plan on the proposed land envisaging that Kedarpur campus of the University would have about 2000 students in a residential campus mode. The University would have second campus which shall accommodate programmes requiring significant laboratory facilities including a science park. The design philosophy for campus and buildings and the layout of the University at the Kedarpur campus including the proposed intake and enrolment of students in various academic programmes is very well elaborated in the chapter no. 6 of the concept paper. This concept paper captures all the aspects related to the full fledged campus leading to its complete development/construction.

Based on the campus development plan, as mentioned above, the Government of Uttarakhand appointed a Consultant Architect and a Construction Agency which prepared the Master Plan, based on the concept paper and the inputs from the office of the Chief Minister who was also holding the charge of Minister for Higher Education and other stakeholders. This master plan was approved by the Statutory Bodies of the University and the State Government. It was proposed in the plan that the construction of the infrastructure of the University shall be carried out in three phases. A layout of the master plan is given below:

LAYOUT PLAN OF DOON UNIVERSITY (KEDARPUR CAMPUS)

LEGEND:

1. ACADEMIC & ADMINISTRATION BUILDING-I
2. ACADEMIC BUILDING-II
3. ACADEMIC BUILDING-III
4. LABORATORIES
5. LECTURE HALL COMPLEX
6. LIBRARY
7. CONVENTION CENTRE
8. GIRLS HOSTEL-I
9. GIRLS HOSTEL-II
10. GUEST HOUSE-II
11. GUEST HOUSE-I
12. WARDEN'S RESIDENCE
13. BOYS HOSTEL-I
14. BOYS HOSTEL-II
15. V.C's RESIDENCE
16. FACULTY HOME
17. STAFF HOME
18. FACULTY LODGE
19. CENTRAL FACILITIES BUILDING
20. SERVICE BLOCK
21. SUBSTATION
22. SEWAGE TREATMENT PLANT
23. STADIUM
24. PLAY COURTS
25. OPEN AIR THEATRE

The master plan as depicted above was to ensure adequate availability of physical infrastructure for teaching, research, residential accommodation, sports activities and all the required support facilities. All the structures proposed in phase 1 of the master plan have been constructed along with few structures of phase 2, such as Lecture Hall Complex, sports ground and are in use at present. Besides, a second wing of the Girls Hostel is under construction. The total expenditure on all above buildings and facilities is 119.65 Crores. A multipurpose sports stadium and another Girls Hostel (capacity 100 girls) is also under construction with the financial assistance

from the UGC. Besides Ministry of Tribal Affairs, Govt. of India has approved establishment of a Tribal Research Institute in the campus, which will add to the infrastructure of the University. A separate Laboratory building is also proposed to be constructed under the RUSA Scheme for which release of financial assistance/budget is awaited from the State Government/MHRD. The proposed Laboratory building shall be a multi story type building and would alleviate the shortage of space to a great extent, in future.

The University has also submitted a proposal to the State Government for converting the existing campus into a smart campus using e-governance platform for its operations and governance.

The available infrastructure and facilities are adequate to cater to the physical requirements of the Schools and the academic programmes at present. However, the leadership is aware of the developmental and expansion needs of the University to deliver its mandate and have submitted proposals to the Government for construction of additional Hostel facilities for the Boys, Central Library Building, faculty and staff residential facilities. All these buildings will be multi story buildings. The construction of Central Library Building will house the Central Library and shall also provide space for other Schools/academic programmes. The existing space occupied by the Library at present shall be available for teaching and other academic activities.

There are other structures and buildings to be constructed as per the master plan, however, due to the resource/budgetary constraints the University is finding difficult to construct the required infrastructure. This is affecting the consolidation, development and expansion of the University to a great extent.

The University is making all the efforts to optimize the use of the available infrastructure. Besides, using the space and facility for its own use the University has also made attempts to generate income by way of hiring out the faculty lodge guest house facility and conferencing facility.

With the expansion of our academic programmes and research activities the University is experiencing shortage of space as many academic programmes would need additional classrooms, laboratories, workshops, faculty and staff offices and accommodation.

4.1.2 Does the university have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Yes. The University has a policy and a plan for the creation and enhancement of infrastructure. The concept paper as mentioned above is the evidence of it. Though the administration has made its endeavour to create and maintain the required teaching learning environment, it is at the same time, conscious of the changing technology and learning requirements of the students. Keeping this in view the University has also taken following initiatives:

1. Offering academic programmes in collaboration with institutions of research and innovation in Dehradun and making use of their infrastructure, particularly laboratories. MoUs with IIP, Dehradun, Wadia Institute, Dehradun, IIRS Dehradun, IRDE Dehradun and institutional linkages with Wildlife Institute, Dehradun, F.R.I. Dehradun, etc., are some examples.
2. The University is in the process of establishing a Department of Atomic Energy -BARC - Technologies Display and Dissemination Facility (DTDDF) Centre on its campus. This will be the only such facility of its kind in Uttarakhand as well as in the region for the benefit and use of the students, research scholars as well as people from the rural areas.
3. The University has established an ORGI Data Centre in the University with the financial assistance and support from the Office of the Registrar General/Census Directorate. This will be a central facility for accessing data based information on census. The centre has also been identified to house the Doon University Hub for State Governments Centre for Public Policy and Good Governance.

4.1.3 How does the university create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

Creating and maintaining conducive physical ambience for the faculty and staff is a priority for motivating and attracting the faculty. Whereas, the faculty have been provided one of the best office spaces available in any University with the computer internet connectivity, and neat and clean environment adequate research laboratories and computing facilities. The University has also provided Wi-Fi internet connectivity along with 24 hour security, electricity supply, uninterrupted drinking water supply, solar water heating system in the residential areas of the faculty as well as child care centre in the campus.

4.1.4 Has the university provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?

Yes.

4.1.5 How does the university ensure that the infrastructure facilities are disabled-friendly?

All the buildings are provided with ramps to approach the spaces in the respective buildings. However, the University plans to install lifts in each

building to make it disabled friendly with the financial assistance from the MHRD-UGC scheme, RUSA and/or 5 year plans.

4.1.6 How does the university cater to the requirements of residential students? Give details of

- Capacity of the hostels and occupancy (to be given separately for men and women)

Hostel	Capacity	Occupancy
Boys Hostel	207	232
Girls Hostel	244	289

Note: The University provides accommodation on a single occupancy basis, however, due to the shortage of accommodation, some rooms have been converted into double occupancy rooms with the consent of the students.

- **Recreational facilities in hostels like gymnasium, yoga centre, etc**.

Following recreation facilities have been provided in the hostels:
1. Gymnasium (Boys and Girls Hostel)
2. Reading Room (Boys and Girls Hostel)
3. Badminton Court (Boys and Girls Hostel)
4. Table Tennis (Boys Hostel)
5. Common Room with TV (Boys and Girls Hostel)
6. Computer room with 8-10 systems

This is to be noted that the University campus is compact and various other recreational facilities, such as sports and games are approachable at any time as per rules.

- **Broadband connectivity / Wi-Fi facility in hostels.**

Yes, it has been provided in both the Hostels.

4.1.7 Does the university offer medical facilities for its students and teaching and non-teaching staff living on campus?

Yes, a University Dispensary/OPD has been established in the Faculty Guest House with two hospital beds and an ambulance. A medical officer on part time basis and pharmacy staff on contractual basis have been appointed to provide medical care facility to the students, faculty and staff. Besides, the University has tied up with the Mahant Indiresh Hospital, Dehradun, for medical facilities in case the situations so warrant with 20% discounts on the cost of treatment. First aid box and common medicines have also been

provided in the boys and girls hostel.

4.1.8 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?

Following facilities are available in the campus for the above:

Sports	Playground , Football Ground, Volleyball court, Tennis court, Basket ball court, Cycling track, Table Tennis, Badminton Court, Cricket ground
	Indoor Gymnasium in both hostels, Chess, Carom
	A multipurpose indoor stadium is under construction which shall provide facility for Badminton court, Squash Court and Table Tennis
Cultural	A Cultural Centre has been set up with a reasonable no of musical equipments/ instruments. For cultural activities, the Senate Hall is used. The multipurpose Indoor stadium also provides for a stage to host cultural events and activities.

4.2 Library as a Learning Resource

4.2.1. Does the Library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?

Yes. The Library has an Advisory Committee.

The Composition of the Library Advisory Committee is as follows:

Hon'ble Vice-Chancellor or his representative	**Chairman**
Director –IQAC	**Member**
DSW/ Asst. DSW	
All HoD's/ I/c HoD's/ Centres Heads	
Registrar/Deputy Registrar	
FC/ his representative	
Two Students Representative (01 Girl and 01 Boy) (Research Scholar and Master Programme)	
Librarian /Assistant Librarian	**Secretary**

The Significant initiatives taken are:

- Modification and approval of the Library Rules
- Library Automation initiative
- Discussion, review and approval of all major library development plan
- Expansion of Library infrastructure

- Book Exhibition/Book Display
- Campus wide Wi-Fi connectivity to access e-resources

4.2.2. Provide details of the following:

* Total area of the Library (in Sq.Mts) : 440.82 Sq.Mts
*Total seating capacity : 70 seats
*Working hours (on working days, on holidays, before examination, during examination, during vacation)

Sl.No	Working Hours	Timing
1.	On Working Days	9.00 AM To 9.30 PM
2.	On Holidays	9.00 AM to 5.30 PM
3.	During Examination	9.00 AM to 9.30 PM
4.	During Vacation	9.00 AM to 5.30 PM

Layout of the Library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

Individual reading carrels : Yes (18)
Lounge area for browsing and relaxed reading : Yes
IT Zone for accessing e-resources : Yes

Clear and prominent display of floor plan: adequate sign boards: fire alarm;
access to differently-able users and mode of access to collection:

Display of floor plan : Yes

The Floor plan of the building is displayed at the entrance of the building with a clear-cut indication of the Library; The Layout of the library is also fixed on the Notice Board.

Adequate sign boards : Yes

The sign boards indicating different Sections of the Library and the Guide cards indicating different resources are placed at different entry point for quick and easy access of the library resources.

Fire Alarms : Yes

Fire alarm devices have been installed in the buildings.

Access to differently-abled users : Yes

Library is deliberately placed in the ground floor for easy access for differently able persons; the building has ramp facility for the support of differently abled.

Mode of Access to collection: Open Access

The Users are allowed to brows the collection both in text book section and reference section, the library staff assists users in obtaining specific documents.

4.2.3 Give details of the Library holdings:

a) Print (books, back volumes and theses)

Books (as on 2.11.2015) :13250
Back Volumes : Nil
Dissertation : 327

b) Average number of books added during the last three years : 1823
(Average of 2012-13, 2013-14 and 2014-15)

c) Non-Print (Microfiche, AV) :125 CD

d) Electronic (e-books, e-journals):

E-books : Nil
E-journals (Subscribed) (106 + 20) : 126
E-journals (through INFLIBNET) : 6048

Special collection (e.g. text books, reference books, standards, patents)

Text Book (as on 2.11.2015) : 11263
Reference Books (as on 2.11.2015):1987
Standards : Nil
CDs : 125
Games : 15

4.2.4. What tools does library deploy to provide access to the collection?

OPAC: Yes

The Library is using Library Management Software Libsys-7 for its housekeeping operations. The software has OPAC as-well-as web OPAC feature. The OPAC is accessible on every computer on the university through the Intranet. Library users can access the bibliographic records of the books of the library and can also access their library account details.

Electronic Resource Management package for e-journals:

All the E-Journals (subscribed/received through consortia) are available on every computer of the university through Intranet**.**

Federated searching tools to search articles in multiple databases:

The Library does not subscribe any federated search tools, but encourage users to use Google Scholar.

Library Website : Yes (webpage)
Library webpage is available in the main website, providing details of the library, i.e., collection, services and resources.

In-house/remote access to e-publications: Yes (On Intranet)
As a residential university access to all the e-resources is provided through University Intranet. The Intranet is accessible through leased line and Wi-Fi in the library and different places of the campus.

4.2.5. To what extent is ICT deployed in the library? Give details with regards to

Library automation : Yes
Library is using Libsys-7 for its housekeeping operations)

Total number of computers for public access : 05
(05 Computers are available for public access in the library and user can also use computer in the computer centre situated in the third floor of the building)

Total numbers of printers for public access : 01
(One can take a print out from the Photocopier-cum-printer of the Library)

Internet band width speed for library **: 5 Mbps**

Institutional Repository : No
(Library is working on developing Institutional Repository on Open source software)

Participation in resource sharing networks/consortia (like INFLIBNET**): Yes (The University has signed a MoU with INFLIBNET in this regard)**

4.2.6. Provide details (per month) with regard to

Average number of walk-ins: (1080 +837) =1917
(Avg per month of the 1.4.2014-31.3.2015)
Average number of books issued
(1.4.2014-31.3.2015)= 14299/12 **=1191**

Average number of books returned
(1.4.2014-31.3.2015)=13167/12 **=1097**

Ratio of library books to students enrolled =11 Books (approx)

Average number of books added during the last four years
(2011-12 to 2014-15) **= 1891**

Average number of login to OPAC (2014) =1439/12 =119

Average number of login to e-resources =16396+8742/12 =2094
(Login includes Science Direct and INFLIBNET consortia for the year 2014)

Number of IT (Information Technology) literacy training organized:
The Library organizes Orientation Program every year at the beginning of the academic session for the newly enrolled students. The program focuses on making the students aware about the library resources and services and how they can utilize these with ease.

4.2.7. Give details of specialized services provided by the library with regard to

Manuscripts	**: No (Library does not have any Manuscript)**
Reference Service	**: Yes (Library provides reference service)**
Reprography Service	**: Yes**
Inter-library loan service	**: Yes (Through Delnet)**

Information Deployment and Notification : Yes

The Library disseminates the information through following services:

- Current Contents of journals
- Current Affairs
- News Paper clipping
- List of New Arrivals
- Automatic email delivery to user of library account transaction
- Automatic email alert of document due date
- Automatic SMS delivery to user of library account transaction

OPAC : Yes

Internet Access : Yes
(05 computers are available for public access in the library)

Downloads : Yes
(Computer is available for public access in the library and users can use their own device also to use and download the educational material from the Internet.)

Printouts : Yes
(Photo copier cum printer is available for public access in the library)

Reading list/Bibliography compilation : Yes
(Library compiles bibliography and also provide new arrival list to faculty members)

In-house/remote access to e-resources : Yes
(Access of all the e-resources is available through University I NTRANET)

User Orientation : Yes
(In the beginning of academic session library conduct orientation/initiation programme for new students.)

Assistance in searching Databases : Yes
(The Library sends Manuals, FAQs, and Videos to the faculty members for helping them in accessing e-resources, library staff also assists the users on request)

INFIBNET/IUC facilities : Yes
(The University has been availing the facility of UGC-INFONET, Anti-Plagiarism software (URKUND), Shodhganga, and Shodhgangotri)

4.2.8. Provide details of the annual library budget and the amount spent for purchasing new books and journals.

Total Budget (2014-15)

Head	Budget	Spent	No of books/ journals added
For Books	Rs. 37,40000	Rs. 3144780	3295
Book Bank	Nil		Nil
Print Journals/magazines	Rs. 5,88,448	Rs. 5,88,448	56
E-database/e-journals (Jan-Dec 2014)	Rs. 22,35000	Rs.22,35000	106+20=126
Miscellaneous (For library stationary, binding etc.)	Stationary is provided by the store section	-----	----

4.2.9. What initiatives has the university taken to make the library a ‘’happening place’ on campus?

- Centralized location of the library helps user to reach easily.
- Arrangement of Book Fair/Book exhibition, book display.
- Reference section open 12 hours a day.
- Reference section open of holidays as well.
- Wi-Fi connectivity in the library.

4.2.10. What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?

Library has a feedback policy and all the suggestions/feedback/comments received by any means are resolved through the feedback policy. Library has the following mechanism for feedback:

- Formal (Written feedback): Library has developed a questionnaire, which has both open ended and closed ended questions about the library. Library takes feedback through this questionnaire from each student at the end of academic year.

- A Suggestion Box is also placed in the Reference/Reading section of the library and user can drop their suggestions/comments/feedback in the box.
- Informal (Oral feedback): Library staffs are encouraged to ask user about the library, the oral comments/suggestions are then conveyed to the Librarian for consideration.

4.2.11. List the efforts made towards the infrastructural development of the library in the last four years.

- Library Automation
- New and extended space for library
- Separate Reference/Reading section and Textbook section.
- Wi-Fi in the library
- CCTV for vigilance

4.3 IT Infrastructure

4.3.1 Does the university have a comprehensive IT policy with regard to

IT Service Management	The University has established an IT Cell which is responsible for all the services related to management of IT services in the university.
Information Security	The university has adopted the norms specified by NIC under NMEICT mission. The information security policies are blended with network security devices.
Network Security	The University is responsible for maintaining the entire campus network infrastructure, and overall operations and security of the University's networks.
Risk Management	The University has various security devices and software including K7 Computing Antivirus and Cyberoam firewall security for network to manage security related risks.
Software Asset Management	Software Asset Management is done by the IT Cell of the university which is supported by individual demands of the Schools.
Open Source Resources	The University encourages to use the software available under Open Source license terms (the GNU General Public License).
Green Computing	University uses e-mail as the primary communication medium which prevents and reduces paper printing. In order to minimize waste and optimize resource consumption, ICT

	has been deployed at several steps *viz*. student life-cycle module, fee collection, notices/circulars/office orders. The University is also using energy efficient computing devices such as thin client and tablets.

4.3.2 Details of the university's computing facilities i.e., Hardware and software

- Sever 5
- Video Confrensing system.
- Fireball -1000i (Cyberoam)
- Correl EPBAX-1
- Layer Switch-10 (10x100, 10x1000)
- Router
- POE switches-6
- Optical Fiber 4.5 KM
- CCTV -19
- Professional digital network display
- Wi-Fi Access Point:76
- Number of systems with individual configurations: Desktop: 402, Laptop: 25
- Computer student ratio: 1:5
- Dedicated computing facilities: The administrative block (1), academic blocks (2), Faculty residence/lodge (2), Hostels (2) are equipped with computing and Wi-Fi facility.
- LAN facility: The University is a part of National Knowledge Network (NKN) pool of universities facilitated with 1Gbps of physical connectivity. The whole campus is connected with OFC (WLAN/LAN).
- Proprietary Software: 10 [Libsys 7/ SmartClass/ SPSS/ ERDAS IMAGINE/ Arc-Info/ Talley/E-View/ WiziQ/FutureCut Pro]
- Number of nodes/computers with internet facility : 402
- Any other (please/specify) : NA

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- To strengthen the existing IT Infrastructure by adding more hardware, software and technology enabled infrastructure.
- The upgradation process takes place regularly in the university which is need-based, both in quantity as well as quality.

4.3.4 Details on access to on line teaching and learning resources provided to the staff and for quality teaching, learning and research.

Software	Department Usage	Licenses	Functionality
Libsys-7	Library	1	The Central Library is using Library Management Software (LMS) Libsys-7 for its housekeeping operations. Apart from the general management of library documents, the LMS provides facilities like circulation through Bar-code, Generation of different reports, Generation of Bibliography, Management of Periodicals, Stock verification, OPAC, etc. Through OPAC every user can see the library account details and bibliographic details of the resources of the Library.
Smart Class™	School of Languages	65	A computer based classroom teaching platform from Robotel provides students access to a set of powerful and interactive tools for a multimedia computer environment. It is convenient to present information, monitor student comprehension and share information.
SPSS	School of Management/ Environment sciences / Social Sciences, Center for public policy.	40	Used for statistical analysis of data for the students and faculty.
ERDAS IMAGINE	School of Environment and Natural Resources	10	ERDAS IMAGINE is an application for image processing and analysis especially in remote sensing and geospatial applications.

Arc-Info	School of Environment and Natural Resources	5	A GIS application software produced by ESRI.
Tally	School of Management	5	Application software useful for Book Keeping and Ledger and Financial Accounting.
E-view	School of Social Sciences	5	Statistical software, useful for multivariate analysis.
WiziQ	School of Social Sciences	1	Interface software useful for virtual interface.
Final Cut Pro Studio	School of Communication	4	An editing software useful for video/ audio of motion clips.
R	School of Environment and Natural Resources	GPL	A statistical software useful for univariate/multivariate analysis.
Python	School of Environment and Natural Resources	GPL	A high end computing software for numerical/computing analysis.
Octave	School of Environment and Natural Resources	GPL	Teaching-Learning software.

4.3.5 New technologies deployed by the university in enhancing student learning and evaluation during the last four years and how do they meet new/future challenges?

- University campus is Wi-Fi enabled and connected with efficient access points. Internet is accessible 24 hours with sufficient bandwidth.
  - Connectivity in each academic block.
  - Administrative blocks.
  - Faculty Residences and Hostels.
  - Library.

  All classrooms are part of LAN. Library and Laboratories is also using IT enabling infrastructure and connected through WLAN/LAN.
- University has well established computer labs equipped with latest processors and upgraded with latest software applications.
- School of communication is equipped with 8 apple machines for the lab sessions.
- The ORGI sponsored Data Centre has 6 work stations for census data storage.

4.3.6 IT facilities available to individual teachers for effective teaching and quality research

- Each faculty is provided with advanced desktop machines (i3-i5, 2GB RAM, 500GB storage) with dedicated bandwidth of internet.
- Each faculty has access to multifunctional printing and scanning machines.
- Faculty offices are equipped with Local Area Network connectivity routed through the University Firewall system security.
- Individual logins are provided to faculties. All machines are network protected. This key feature enables to browse internet on protection from intrusion access.
- Classrooms are well connected with projectors so it is convenient to teach through presentations whenever needed.

4.3.7 ICT enabled classrooms/learning spaces available within the university and their utilization for enhancing the quality of teaching and learning

- Each classroom is equipped with projector and has access to Wi-Fi network.
- There are established computer labs equipped with desktop machines.
- All the machines are installed with Windows 7 Professional and Windows 8.1 operating system.
- Machines are upgraded (2GB RAM, 500 GB storage, 2.4 GHz speed).
- Following computer labs established under ICT for learning and research work.
  - MBA Lab (School of Management)
  - GIS & Remote Sensing Lab (School of Environment and Natural Resources)
  - Language lab (School of Languages)
  - SoT Lab (School of Technology)
  - SoSS Lab (School of Social Science)
  - Computer Centre
  - SoC lab (School of Communication)

4.3.8 What are the faculty assisted in preparing computer-aided teaching learning materials? What are the facilities available in the university for such initiatives?

University has one auditorium and two seminar rooms for conferences and classroom lectures. Auditorium is well equipped with sound system, computer and projector.

- School of Languages often schedule screening of certain multilingual movies as part of their classroom lecture.
- Various departmental activities like seminars, presentations, dissertation reviews are held from time to time.
- All computer labs are equipped with upgraded software and internet connectivity with high speed.

4.3.9 How are the computers and their accessories maintained?

The application softwares used in library and examination section are maintained through Annual Maintenance Cost (AMC).

4.3.10 University availing National knowledge network connectivity

- University is part of National Knowledge Network (NKN) pool of universities facilitated with 1 Gbps of physical connectivity.
- Has access to high speed internet hosted by NIC.
- ICT cell is equipped with Junipher gateway router and is monitored and hosted by NIC, Dehradun.
- ICT cell is provided with network security appliance (Cyberoam) firewall setup on gateway. Presently, it supports 1000 users on network concurrently.

4.3.11 University availing of web resources such as Wikipedia, dictionary and other education enhancing resources

Web resources, e.g., Wikipedia, Youtube, NPTEL, etc., are frequently used for classroom teaching and references for study material.

4.3.12 Details of the annual budget and maintenance of computers in the university

Rs. 26 Lakhs per annum

4.3.13 Plans envisioned for the gradual transfer of teaching and learning from closed university information network to open environment

The scope of teaching and learning has been expanded beyond conventional class room teaching to open ICT enabled environment.

4.3. Maintenence of Campus Facilities

4.4.1 Does the University have an estate office/ designated officer for overseeing the maintenance of buildings, class- rooms and laboratories? Is

yes, mention few of campus specific initiative undertaken to improve the physical ambience.

Yes, Doon University has a designated estate office and Assistant Registrar as an officer for overseeing the routine maintenance and other requiremdnts related to buildings, class- rooms and laboratories. The estate office works under the guidance of office of University Registrar. University has outsourced the activity and hired professional house-keeping agency. Together the estate office and house keeping agency have undertake a few initiative for improving the physical ambience; A list of such initiatives is as follows:

 University Roads/ Streets are also being studded with flowing plants to provide vibrance and pleasent ambience.
 Campus roads and streets are wide and illuminated with solar lights which add to general ambience of lively campus especially during evening hours.
 Land- scapping of the Univeristy is being done by professional agency.
 Class rooms and Laboratories are well illuminated and well ventilated. Many of the laboratories and class rooms are air cooled.
 Class rooms and Laboratories have uninterrupted supply of electricity and internet.
 University guest house is build with idea to host 'global visitors' and has very pleasent ambience.

4.4.2. How the infrastructure facilities, services and equipment maintained? Give details.

The Doon University does have a centralized mechanism for maintenance of facilities, services and equipments as yet. e.g. Internet Network in the campus is maintained by IT Cell. Senate Hall, Class rooms, Guest house and Day care centre is maintained by technical staff associated office with Registrar office. The University services Electricity, Plumbing, cleanliness and landscaping are looked after by office of Deputy Registrar office . The high and sophisticated equipments and computers are maintained through Annual Maintenance Contract (AMC).

Criterion V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the university have a system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes, Doon University has a system in place for student support and mentoring. Doon University draws students from diverse backgrounds and from different regions all over India. Hence, there are chances of students possessing different capabilities and capacities. This heterogeneity of the students in the campus is properly taken care off. Doon University recognizes that students need constant support and mentoring and has, thus, devised a mechanism which involves faculty and students peer group involvement.

Part A: Structural and functional characteristics of students support

- Doon University faculty members are assigned duties with regard to students support.
- Doon University being a residential University has its own hostels, separately for boys and girls.
- Each hostel is looked after by a set of wardens who are also faculty members.
- The Chief Warden looks after over-all hostel management. The rest of the wardens assist the chief warden to address immediate issues of students.

Part B: Structural and functional characteristics of students mentoring

- Doon University has further made arrangements of remedial classes for academically weaker students by way of individual or group classes depending on the nature of requirement.
- Doon University campus has two ATM counters, post-office and bank counter to cater to the needs of the students.

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

Apart from routine classroom academic mentoring of students through discussions, there are several other major avenues for academic mentoring of students by way of :

- Project consulting: Every faculty member, in Doon University, spends considerable time for students in their project work. In addition, students also have opportunities to participate in projects undertaken by faculty member.

- Being a residential university, students have direct and easy access to most faculty members residing on campus.
- Students also have access to wardens at all times during their stay on campus.
- Orientation programmes/ special lectures are a regular feature at Doon University. Experts are invited from time to time to interact with the students.
- Library support is available till late evening on campus.
- The Placement Cell, Sports Committee, Cultural Committee, Gender Sensitization Cell also provide guidance to students at all times. A faculty member is in-charge of these committees.
- Mentoring of over all development of personality is done through several social initiatives like Blood Donation Camps, Swach Bharat Abhiyan, Opening of Bank Account from zero balance, etc.
- Library is fully automated and circulation of books is maintained through electronic library cum identity cards with the help of bar code system. Library is well equipped with OPAC, CCTV System, computer terminals, printers for accessing electronic data bases.

5.1.3 Does the university have any personal enhancement and development schemes such as career counselling, soft skill development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

Yes, The University offers avenues for personal enhancement and development by way of :

- Orientation programmes are organized for every batch of students for career identification by inviting experts in the field.
- University facilitates student to learn soft skills, where spoken English training and basic computer education, and personality developments programmes are mainly focused.
- Doon University provides English Language Learning programmes which are being used in the teaching process for students weak in English.

5.1.4 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes, The University guides students to obtain loans from national banks. Students needing
financial assistance are offered help by way of coordination with the bank.

5.1.5 Does the university publish its updated prospectus and handbook annually? If yes, what are the main issues / activities/ information included / provided to students through these documents? Is there a provision for online access?

- The University publishes its updated prospectus annually.The prospectus is accessible online and is also available in print form.
- The prospectus provides information on:
  - The vision and mission of the University along with its history.
  - Various Schools and their academic programmes.
  - Guidelines and Criteria related to qualifying for entrance test, qualification for admission.
  - Infrastructural facilities such as hostels, Gym, Canteen, Library, Senate Hall, Medical facility, Bank, Post Office, ATM, Sports Stadium.
  - Financial assistance in the form of Pandit Mahanand Dangwal Scholarship and Doon University Student Aid Fund to poor meritrious students.
  - Academic calendar of the coming year.
- University Notice Boards at strategic places also give the information pertaining to admission as well as other required information.

5.1.6 Specify the type and number of university scholarships / freeships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG/PG/M.Phil/Ph.D./Diploma/others (please specify).

Details of Pandit Mahanand Dangwal Scholarship awarded during 2012-13

S.N.	Name of Student	Amount Rs.
1	Anjali Joshi	5000/- per month
2	Ms. Shivani Purohit	5000/- per month
3	Ms. Dinesha Singh	5000/- per month
4	Khima Nand	5000/- per month
5	Shailendra Gaur	5000/- per month
6	Peeyush Sharma	5000/- per month

Details of Pandit Mahanand Dangwal Scholarship awarded during 2013-14

S.N.	Name of Student	Amount Rs.
1	Tanya Narang	3000/- per month
2	Sumali Joshi	3000/- per month

3	Neeraj Gaur	3000/- per month
4	Manish Sajwan	3000/- per month
5	Twinkle Lakharwal	3000/- per month
6	Sparsh Ghildiyal	3000/- per month
7	Preeti Mishra	3000/- per month
8	Ashutosh Jha	3000/- per month

Details of Pandit Mahanand Dangwal Scholarship awarded during 2014-15

S.N.	Name of Student	Amount Rs.
1	Ms. Apoorva Mishra	3000/- per month
2	Mr. Javed	3000/- per month
3	Mr. Vaibhav Bhauguna	3000/- per month
4	Ms. Pooja Bhatt	3000/- per month
5	Mr. Bharat Singh Bisht	3000/- per month
6	Ms. Akansha Saxena	3000/- per month
7	Ms. Komal Sajwan	3000/- per month
8	Ms. Sushmita Joshi	3000/- per month

Doon University Student Aid Fund (DUSAF) during 2013-14

S.N.	Name of Student	Amount Rs.
1	Preeti Bharti	Amount equal to 50% to the tuition fee
2	Apoorva Mishra	
3	Ashutosh Kumar	
4	Navneet Joha	
5	Anjali Gumber	
6	Md. Javed	
7	Priyanka Singh	
8	Pratibha	
9	Varsha Rathore	
10	Abhishek Chakraborty	

Doon University Student Aid Fund (DUSAF) during 2014-15

S.N.	Name of Student	Amount Rs.
1	Ms. Arjita Punetha	Amount equal to 50% to the
2	Ms. Janvi Tripathti	
3	Ms. Varsha Rathore	
4	Ms. Pratibha	
5	Ms. Priyanka Singh	
6	Ms. Gusiya Siddiqui	

7	Mr. Ashutosh Kumar	tuition fee
8	Mr. Harsh Vardhan	
9	Mr. Navneet Johar	

5.1.7 What percentage of students receive financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?

- 04 students of SENR are getting inspire fellowship from DST.
- 05 students (2 SENR, 2 SoC and 1 SoM) are getting JRF fellowship from UGC.
- 15 students from different schools are getting Pt. Mahanand Dangwal fellowship from Doon University.
- 15 students from different schools are getting Post Metric Scholarship from Government of Uttarakhand.

5.1.8 Does the university have an International Student Cell to attract foreign students and cater to their needs?

Admission to the University is open to foreign students. 15% seats are reserved for foreign students without giving entrance test provided they meet the eligibility criteria. Yes, the University has a foreign and International Student Cell to attract foreign students. At present University gives admission to foreign students in three categories, i.e., Regular, Casual and Research Affiliate. Doon University is actively exploring the possibilities of signing Memorandum of Understanding with various International Universities to give a global face to the University.

5.1.9 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes, The University guides the students to obtain loans from national banks. Students needing
financial assistance are offered help by way of coordination with the bank.

5.1.10 What types of support services are available for

Overseas students: The University offers Guest House facility at subsidized rates for foreign students. The International Student Cell actively addresses all concerns of foreign students.

Physically challenged / differently-abled students: Physically challenged students are admitted in Doon University as per State Government reservation

policy. Presently, 3% seats are reserved for both Graduate and Post Graduate Courses. All academic blocks are disabled friendly.

SC/ST, OBC and economically weaker sections: The University complies with all the State Government norms regarding reservation. SC/ST students pay only 50% of total fee. Tuition fee is reimbursed to them by the Government.

Students participating in various competitions/conferences in India and abroad: Doon University provides financial support to students to take part in various activities such as:

- Participation in cultural fest;
- Participation in sports fest;
- Participation in debate competition;
- Students have attendance exemption to participate in these events.
- Participation in Conferences/Seminars/Workshops

Health centre, health insurance, etc.: Doon University health centre has been set up at the Guest House of the University with basic facilities and treatment. On part time basis a doctor and a lady pharmacist on contract basis attends to the patients regularly during the working days. The University had provided the accidental medical insurance cover for the students via Universal Sompo General Insurance Company Ltd. at annual premium of Rs. 330 (2012-2014) and United India Insurance Company Ltd. at annual premium of Rs. 315 (2014-2015), upto the maximum limit of Rs. 100,000. This facility has been temporarily withdrawn. Besides, the University has tied up with the Mahant Indiresh Hospital, Dehradun, for medical facilities in case the situations so warrant with 20% discounts on the cost of treatment.

Skill development (spoken English, computer literacy, etc.):

- University has established a soft skill development cell;
- The library is equipped with computers;
- Special lectures are organized on routine basis.

Performance enhancement for slow learners:

- English remedial classes are organized;
- Regular mentorship by the faculty members is provided to the weak students.

Exposure of students to other institutions of higher learning/corporate/business houses, etc.:

The University has, since its inception sought to ensure that students obtain an insight into and are afforded maximum exposure to the work place by mandating students to take internships with R&D labs, NGOs, Companies and Government Departments.

Publication of student magazines: A monthly newspaper named "Campus Byte" is published by the students.

5.1.11 Does the university provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defense Services, NET/SET and any other competitive examinations? If yes, what is the outcome?

No. However, individual faculties encourage and mentor the students to compete for NET/SLET and other
exams and help them with resource materials and necessary guidance.

5.1.12 Mention the policies of the University for enhancing student participation in sports and extracurricular activities through strategies / schemes such as

University has developed sports facilities, for out-door sports like football, cricket, volleyball, basket ball, lawn tennis, badminton, and indoor gyms, games like table tennis, chess, etc. For indoor games an indoor stadium has been developed. For other cultural activities, the university has an auditorium hall of 200 seating capacity. One separate room has been allocated to the cultural committee office. Every semester inter school competitions for different games are organized, in order to select university team. These selected teams are financially supported for their participation in AIU level sports events in North zone, as well as state level sports events.
Incentives in terms of attendance advantage are given to the students for participation in sports and extracurricular activities to participate in these events. But no additional academic flexibility in examinations is given to these students.
Sports items are provided to the students. The University teams are supported to the extent of 50% of the cost of the uniform.

5.1.13 Does the university have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?

University has a Placement Cell which has been operational since 2011. The Placement Cell office is being run from the office of the Social Empowerment Cell. Mr. S. K. Dadar is handling all the activities related to placements.

5.1.14 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

42 students were hired
Royal Bank of Scotland : 3
Tacky Minds, 11
American Express- 2+4=6
MyDala.com - 11
Inter Globe technologies - 2
Airtel - 1
Octaware - 2
Trinity Digitals -2
Datafy - 2
Ganesh Explosives - 1
HDFC Life - hired =0
Sankalptaru Foundation = 1
Total =42
Companies lined up SAGE Publications, AMAZON.com and INFOSYS

5.1.15 Does the university have a registered Alumni Association? If yes, what are its activities and contributions to the development of the university?

The University does have an Alumni Cell which has a mandate to promote annual get-together of alumni and the current students, seminars, discourses involving active participation of the alumni in the university life. The cell also has a mandate to seek guidance of alumni in the evolution of learning atmosphere, pedagogy as well as placement of students. The Cell is not registered yet as an association under Society Registration Act 1860.

5.1.16 Does the university have a student grievance redressal cell? Give details of the nature of Grievances reported. How were they redressed?

Yes, the University has Student Grievance Redressal Cell. Any grievance is examined and addressed by a committee.

5.1.17 Does the university promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

Yes, the University promotes a gender-sensitive environment. University has already constituted a gender sensitization committee to address complaints arising from sexual harassment. The committee comprises of members having expertise and orientation in socio-cultural and legal aspects of gender related issues. The committee takes up several orientation activities in the campus for sensitizing the university community. Such activities include organization of seminars and discussions on gender issues, observing International Women's Day, etc.

5.1.18 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

Yes, the University has established an Anti Ragging Committee. The following are the details:
Ragging is punishable in Doon University, Dehradun. Any case of ragging must be brought to the
notice of the authorities and anyone indulging in ragging is liable to disciplinary action ranging from rustication from the University to criminal prosecution under the relevant laws.
The Vice Chancellor has constituted an Anti Ragging Committee for every two academic sessions; consisting of the faculty members to prevent ragging activities inside the campus and to sensitize the senior students. The details of the committee along with their phone numbers are available on the University website and notice board as well.
The wardens reside on campus to ensure round the clock vigil. The University has not received any formal complaint from any student so far.

5.1.19 How does the university elicit the cooperation of all its stakeholders to ensure the overall development of its students?

Yes, the University does elicit the cooperation of all its stakeholders to ensure overall development of students by way of:

- Regular students faculty committee meetings
- Regular redressal of any grievance
- Meetings of administrative and support staff
- Parents teacher meeting

5.1.20 How does the university ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

The University encourages women students in intra and inter-institutional sports. The University took part in inter-university games in different universities, as well as through AIU. In February 2014, the university organized a 10-Day Dance Workshop in partnership with Indian School of Talent and Ms. Himadri Chand from School of Social Sciences was awarded the best Dancer Award in the workshop. During the first ever "Inter University Rajiv Gandhi Youth Festival" organized by the university in February, 2013 in which 16 Universities of the State participated. Many girls of the university participated in sports and cultural events. In 2015, women basketball team participated in North zone AIU championship, in Jamia Hamdard New Delhi and in GB Pant University, Pantnagar where Girls bagged silver medal as runner up in the basketball tournament.

5.2 Student Progression

5.2.1 What is the student strength of the University for the Current academic year? Analyse the Programme-wise data and provide the trends for the last four years.

Details of students enrolled in Academic Session 2015-16

S.No	School	Programme	SEMESTER	Total
1	School of Management	MBA Integ. (5 yrs.)	1st	41
			3rd	50
			5th	29
		MBA (2 yrs.)	1st	41
			3rd	58
		Ph.D. Management (3/4 yr.)	1st	4
			3rd	3
			5th	2
				228
2	School of Languages	M.A. Chinese (5yrs.)	1st	25
			3rd	18

			5th	15
			7th	2
			9th	6
		M.A. Spanish (5yrs.)	1st	25
			3rd	10
			5th	9
			7th	2
			9th	6
		M.A. German (5yrs.)	1st	26
			3rd	21
			5th	24
			7th	4
			9th	8
		M.A. Japanese (5yrs.)	1st	25
			3rd	20
			5th	15
		M.A. French (5 yrs.)	1st	24
			3rd	13
		M.A. English (2 yrs.)	1st	6
			3rd	6
				310
	Certificate Course in Foreign Languages	Chinese		6
		Spanish		35
		German		26
		French		51
		Japanese		9
				127
3	School of Environment and Natural Resources	M.Sc. Natural Resources Management (2 yrs.)	1st	17
			3rd	10
		M.Sc. Environment Science (2yrs.)	1st	13
			3rd	18
		Ph.D. Environmental Science (3/4 yrs.)	1st	8
			3rd	12
			5th	9
			7th	4
			9th	6
		M. Tech.	1st	13

		Environmental Technology (2yrs.)	3rd	14
				124
4	School of Social Sciences	M.Sc. Economics (5yrs.)	1st	54
			3rd	50
			5th	51
			7th	29
			9th	22
		M.A. Economics (2yrs.)	1st	8
			3rd	7
		M.Phil Economics	1st	2
			3rd	2
				225
5	School of Communication	M.A. Communication Integ. (5yrs.)	1st	60
			3rd	59
			5th	39
			7th	
			9th	
		M.A. Communication (2yrs.)	1st	26
			3rd	23
		Ph.D. Communication (3/4 yrs.)	1st	3
			3rd	2
				212
6	School of Design	M.A. Design in Communication (2 yrs.)	1st	18
				18
7	School of Physical Sciences	M.Sc. Mathematics (2 yrs.)	1st	6
		M.Sc. Physics (2 yrs.)	1st	10
		M.Sc Integ. Physics (5yrs.)	1st	43
		M.Sc. Integ. Math(5yrs.)	1st	42
		M.Sc. Integ. Chemistry(5yrs.)	1st	29
		M.Sc. Integ. Computer Science(5yrs.)	1st	8
				138
8	School of	Master in Computer	1st	24

	Technology	Application (5yrs.)	3rd	15
				39
				1421

Student Progression	%
UG to PG*	100
PG to M.Phil.*	2
PG to Ph.D.	20
Ph.D. to Post-Doctoral	0
Employed • Campus selection • Other than campus recruitment*	45 14.6 30

* Upto 2014

5.2.2 What is the programme-wise completion rate during the time span stipulated by the university?

More than 95% student complete their programme on time, however there are few students, who take one or two semesters extra in completion of their programme.

5.2.3 What is the number and percentage of students who appeared/ qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.?

- 100% PG and PhD students appeared in UGC-NET examination.
- Approximately 50% of PG and PhD students appeared in SLET examinations.
- 24 students have qualified for UGC-NET/JRF and 06 students have qualified SLET during the last 4 years.

5.2.4 Provide category-wise details regarding the number of Ph.D./D.Litt./D.Sc. theses submitted/ accepted/ resubmitted/rejected in the last four years.

One student's (Ms. Rashmi Verma from SENR) Ph.D. thesis is likely to be submitted in January 2016.

Two students (Atul Singh and Navneet Rajoria from SoSS) are likely to submit their M. Phil Theses in June 2016.

5.3 Student Participation and Activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students.
Furnish the programme calendar and provide details of students' participation.

Sports

Football, Volleyball, Basketball, Lawn tennis, Cricket, Badminton, Table tennis, Literary, Music,
Dance, Quizzes, Debates, Photography, Drawing/Painting, Group Dance, Nukkad Natak,
Skits/Plays, Kavi-Sammelan, etc.

S. No.	Dates	Sports events	Participation
1	4th week of February, 2013 (First Rajiv Gandhi Youth Festival)	Table Tennis, Football, Volleyball, Basketball, Cricket, Badminton, Athletics	More than 300 students from the university had participated
2.	4th week of October, 2015	Football Championship	80 boys participated
3.	3rd week of November, 2015	Table Tennis Singles, Doubles and Mixed doubles team events	19 Boys and 7 Girls participated
4.	3rd week of November, 2015	Basket ball tournament	38 Boys and 21 girls participated
5.	3rd week of November, 2015	Volley ball tournament	30 Boys, participated

Cultural

The following is the list of events that were organized by the various Cultural Clubs that have been formulated under the Cultural Committee. The clubs function in an autonomous fashion and keep on conducting various events. The major ones are listed below:

S. No.	Dates	Cultural Event	Participation
1.	24th-26th February,	Literary, Music,	Around 100

	2013 (First Rajiv Gandhi Youth Festival)	Dance, Quizzes, Debates, Photography, One Act Play, Classical Vocal solo, Hindustani and Karnatik, Instruments, etc.	students from the university participated
2.	August 15, 2013	Independence Day Celebration	4 students (2 boys+2 girls)
3.	October 2, 2013	Gandhi Jayanti and Pt. Lal Bahadur Shastri Anniversary Celebration	34 students (17 boys + 17 girls)
4.	November 15-November 19, 2013	The Cultural Committee, Doon University participated in the 29th Annual North Zone Inter University Fest-Tarunullhas, conducted by Babasaheb Bhimrao Ambedkar University, Lucknow	39 students (21 boys+18 girls)
5.	January 26, 2014	Republic Day	10 students (5 boys + 5 girls)
6.	February 20, – March 3, 2014	Doon University, Dehradun organised a 10-day Dance Workshop in association with The Indian School Of Talent , Dehradun Dance Forms: Contemporary, Bollyhop and House	50 students (28 boys +22 girls)
7.	4th week of March, 2014	Kavi Sammelan	10 students (7 boys+3 girls)
8.	August 15, 2014	Independence Day	19 students (10 boys +9 girld
9.	2nd week of November' 2014	Theatre Club participated in a Nukkad Natak Competetion	10 students (6 boys +4 girls)

		organized by FRI, Dehradun	
10.	January 14- January 19, 2015	The Cultural Committee, Doon University participated in the 30th Annual North Zone Inter University Fest-Udghosh, conducted by Jammu University	35 students (19 boys +16 girls)
11.	January 26, 2015	Republic Day	10 students (4 boys + 6 girls)
12.	May 20, 2015	The Literary Club, Cultural Committee organized a poetry recitation program **"Kavyanubhuti"**- Bahurang, Kaviyon ke sang Chief Guest: renowned writer **Dr. Dinesh Chandra Chamola *"Shailesh".***	10 students (7 boys +3 girls)
13.	September 14, 2015	Speech Competition on the occasion of **'Hindi Divas'** Topic: *"Adhunik Bharat ke nirman evam Sanskritik Virasat Sehjne main Hindi ka yogdan".* chief Guest: Prof. Ram Vinay	6 students (6 boys + 0 girls)
14.	2nd week of October, 2015	Dehredun Drum Circle	50 students (mixed crowd)
15.	October 30- October 31, 2015	Bazm…the fest of the fall	100 students (50 boys +50 girls)

Apart from the above mentioned events the various clubs within the Cultural Committee viz. Dance Club, Music Club, Theatre Club, Fine Arts & Photography Club, Film Club and Literary Club have organised various intra-university events such as Literary Evening, Dance Workshops, and Film Screenings, from time to time to keep the university campus upbeat and lively.

Every Semester Cultural programs are organised, which involves Group Dance, Nukkad Natak,
Skits/Plays, Kavi-Sammelan, etc.
Invited lectures are organized on each Friday, under Friday lecture series programme. During such programmes, Prof D. R. Purohit, Mr. Lokesh Ohri, Dr. Hemant Adlakha, Prof. Vridhagiri Ganeshan and many other speakers have delivered lectures on an array of topics.

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.

The students participate in different cultural and sports events organized at different levels every year. An illustrative list of achievements made by students in some of these events is as under.
2013: First Rajiv Gandhi Youth Festival- Students won six prizes in the festival
2014: 10-Day Regional Dance Workshop in association with Indian School of Dance -Himadri Chand was awarded Best Dancer of the workshop.
North Zone Inter University Badminton Championship 2014 - Girls won first prize in the Badminton Singles and second prize in Badminton Doubles
2015: North Zone Sports Meet SPARDHA organized by AIU at GB Pant University of University and Technology, Pant Nagar – Girls bagged silver medal in the Women's' Basket Ball Tournament.

5.3.3 Does the university conduct special drives / campaigns for students to promote heritage consciousness?

The University conducts cultural activities from time to time, every year to promote Hindi and poetic sense among the students. *Kavyanubhuti*, a kavisammelan was organized, where Dr. Dinesh Chandra Chamola, was the chief guest. Indian culture is promoted in the University Campus through Cultural events like classical dance, classical singing, etc and Regional (Garhwali and Kumaoini) culture is promoted. Cultural Programmes through SPIC MACAY have been organized in the University Campus to promote Indian cultural heritage.
Recently, a talk by eminent anthropologist Prof. D. R. Purohit was organized by the university that encompassed an audio –visual presentation and involved performance by artists that gave a glimpse of cultural heritage of Uttarakhand.

5.3.4 How does the university involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four academic sessions.

University encourages students to publish their News letter – 'Campus Bytes' and Research papers in Indexed Journals. University has different literary clubs, where student committees are working under supervision of teachers for such activities. Students work on wall magazines, "*Graffiti"*, for their project and also during conduct of various events like Cultural fest, BAZM.

5.3.5 Does the university have a Student Council or any other similar body? Give details on its constitution, activities and funding.

Being a new University the formation of Student Council is still under consideration.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.

Student representative are part of Committee for Redressal of Gender Issues, Grievance Redressal Committee, Anti-ragging Committee, Sports Committee, Cultural Committee, Editorial Committee, and Hostel Management Committee where they give their suggestion for academic and non academic activities. Doon University Swachh Bharat – Swasth Bharat Abhiyan Committee is another initiative, where student body engaged in small projects and activities on the campus related to environment, cleanliness and waste-management. There is student representation in various other bodies under Student extension program, like: NSS.
In some Schools, Student Faculty Committees (SFC) are functional that creates a space for interaction between student representatives and faculty representatives of the respective schools. These committees provide significant food for thought for discussions in the academic Advisory committee in terms of quality of teaching and pedagogy.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and the mission of the university.

The Government of Uttarakhand envisaged setting up of Doon University with its headquarters in the state capital, Dehradun. The legislation to establish this University was enacted in 2005. Following the Legislation a Concept Paper was prepared and was facilitated by a team of experts from Indian Institute of Management Bangalore (IIMB). This exercise involved extensive discussions and consultations with the Governor, the Chief Minister, the Chief Secretary, Principle Secretary (Finance), Secretary (Higher Education), other members of the State bureaucracy and eminent academicians from the premier institutions in India.

The stakeholders were of the opinion that Doon University should be unique (it should set new standards), relevant (meet the local aspirations without compromising on a global outlook) and should have a distinctive character (reflecting the deeply held values of "Dev Bhoomi"- Uttarakhand). These consultations led to the articulation of the Vision and Mission of Doon University which are as follows:

Vision

Doon University shall be a Centre of Excellence for the advancement and dissemination of knowledge benchmarked with the best in the country and globally and will be known for:

- Student and learning-to-learn centred pedagogy supported by a community of eminent researcher-scholars,
- Leadership through collaborative educational ventures, and
- Value-based learning

Mission

The purpose of a Mission statement is to give a sense of direction to the institution.

Together with the Vision it guides development of objectives and strategies. Thus, the following Mission Statement has been adopted:

- Offer state-of-the-art educational programmes in cutting-edge disciplines of regional, national and international relevance;
- Conduct high quality, multi-disciplinary research to push the boundaries of knowledge in the chosen areas; and
- Provide a challenging and conducive environment for scholar-researchers to engage in pursuit of excellence.

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?

The Vision and the Mission defining clearly and specifically the distinctive characteristic features of the University are summarized as follows:

(i) A unitary, residential university, patterned along the lines of central universities such as the Jawaharlal Nehru University.

(ii) A Centre of Excellence in higher studies, sensitive to the requirements of the society and having twinning arrangements with leading universities/institutions in teaching and research.

(iii) Student community to be drawn from across the country and abroad, especially from the developing countries besides those from the State of Uttarakhand.

(iv) Selection of the students to various academic programmes to be made strictly on the basis of merit.

(v) Recruitment of high quality faculty drawn from across the country and working in an enabling environment.

Thus the University subscribes to a value system based on seamless intellectual pursuit, transparency, responsiveness and accountability.

6.1.3 How is the leadership involved in ensuring the organization's management system development, implementation and continuous improvement, interacting with the stakeholders, reinforcing a culture of excellence and in identifying organizational needs and striving to fulfill them?

Ensuring the organization's management system development, implementation and continuous improvement

The University has put in place required systems and processes for the efficient and effective implementation of its mandate, policies, and programmes. This encompasses all academic and administrative functions and activities. Some illustrations are:

As per the Doon University Act following are the authorities of the University- The Court, The Executive Council, The Academic Council.

The Court, headed by the Chancellor (Hon'ble Governor of the State), is an advisory body of the University and reviews the broad policies and programmes of the University, suggests measures for the improvement and development of the University and renders advice on important matters.

The Executive Council, headed by the Vice Chancellor, lays down policies to be pursued by the University, reviews decisions of other authorities of the University, takes such decisions and steps that are desirable for effectively carrying out the objects of the University, approves the Annual Report and the

Budget, recommends new or additional statutes, ordinances and regulations as well as amends or repeal the irrelevant statutes, ordinances and regulations, approves proposals for submission to the State Government, and controls the property and funds of the University.

The Academic Council, headed by the Vice Chancellor is the highest academic body of the University and considers and approves matters related to academic programmes-admission-entrance examination, academic policies, course curricula, fee structure, examination related matters, establishment of Schools and Centres or closing them, MoUs with external Universities/institutions, research proposals, scholarships, fellowships, prizes and awards; award of certificate, diplomas, degrees and honorary degrees, organize University Convocations and any matter of academic interest related to the students and faculty.

Besides the above statutory bodies, Finance Committee, headed by the Vice Chancellor, performs responsibilities related to budget-income and expenditure and exercises control over the financial management of the University.

The Vice Chancellor as the academic and administrative head, Deans of the respective Schools as the school level academic leader, Registrar as the chief administrative officer and Finance Officer/Controller as the head of the finance division are the officers and key leadership-management positions in the University.

The academic architecture of the University consists of eight Schools of studies and specialized department/s. These schools/departments perform functions and activities related to their subject specific domains, such as offering academic programmes, conducting research, carrying out extension activities, organize seminars, conferences, symposia, etc. Some schools are further structured into departments and centres. Each school/department is headed by a Professor or senior faculty as In-charge head and is, therefore, responsible for managing the affairs of the respective schools/departments.

Dean Student Welfare, University Librarian and Human Resource Officer and Store and Purchase Officer are the other officers of the University who perform duties and responsibilities in respect to their domains as clearly and specifically stipulated in the Statutes.

Management development system of the University also includes variety of Councils, Committees, Boards, Cells, etc., related to academics, extracurricular activities, administration, welfare, facilities and development. These include: School Faculty Councils in each School, Academic Advisory Committees in each School, Faculty Selection Committee Admission and Evaluation Committee, Fee Structure and Fee Waiver Committee, Central Disciplinary Committee (Proctorial Board), Library Advisory Committee, University Purchase Committee, Campus Development Committee, Anti Ragging Committee and Anti Ragging Squad, Gender Sensitization Committee, University Sports Committee, Cultural Committee and Clubs,

House Allotment Committee, Hostel Management Committee - Chief Hostel Warden and Hostel Wardens, Grievance Redressal Cell, Entrepreneurship and Skill Development Cell, Foreign Collaboration Cell, Scholarship Committees, Foreign Student Cell, Equal Opportunity Cell, Placement Cell and Alumni Cell.

Established in 2005 and making its debut in 2009 with its first academic programme, Doon University is a young evolving University. The management systems development, implementation and continuous improvement are the key aspects of building its credibility, consolidation, development, further expansion and diversification. This is manifested by the following examples:

The University has strictly adhered to the UGC Regulations with regard to the structure of the academic programmes, programme curriculum- development, modification and up-dating.

The university has adopted semester system from the very beginning and has put in place the credit based grading system providing credit flexibility across the disciplines. The Choice Based Credit System (CBCS) has been adopted in the new academic programmes- Integrated programmes in Physics, Chemistry, Mathematics and Computer Science. The other academic programs will gradually move towards adopting the CBCS based curriculum. The University has adopted the continuous evaluation system in terms of assessment through class tests/quiz, presentations, assignments, including mid-semester and end-semester examinations.

The selection and appointment of teaching and non-teaching staff is as per the UGC Regulations and State Government Regulations.

Admissions to the various programmes are open and transparent based on All India Entrance Test. From manual admission process, the university has gradually introduced online admission facility for the aspiring students.

A feedback system has been introduced for assessing the quality of teaching and the teachers from the very inception of the academic programmes. The University is committed to further improve and strengthen it by way of providing online feedback facility to the students.

The central library services and facilities are fully automated. Students, faculty and staff can access e-journals/publications subscribed through INFLIBNET for study and research.

With a view to ensure quality of the research the University obtained the membership of Shodhganga and Shodhgangotri and also have made it mandatory to apply plagiarism software to check the originality of the research work. Each head of the department and the interested faculty has been given access to the URKUND software.

The University is in the process of implementing modular software based online system which includes student life-cycle management, admission management, fee management, teaching and attendance management, student

feedback on teaching and facilities, smart learning-study material, assignment submission, scholarships management, infrastructure management, etc.

The University has established a ORGI Data Centre with the support and funding from the Office of the Registrar General India and Census Directorate to help the research scholars/students make use of the facility and resources for pursuing their research work using census data and statistics.

Hon'ble Chancellor and the Governor of Uttarakhand holds periodical meetings of all the Vice Chancellors in the State to review their performance and gives necessary suggestions and directions for taking new initiatives, projects and continuous improvement. Identifying Doon University, School of Environmental Science as a Centre of Excellence on environmental issues, developing Doon University as the first smart University in the state, approaching academic excellence, affiliation with National Academic Depository, Skill and Entrepreneurship Development activities, Swachh Bharat- Swastha Bharat Abhiyan, adopting five model villages, strengthening tutorial system for students, career counselling and placement opportunities, introducing vocational courses etc. are some of the examples. Hon'ble Chancellor also reviews the performance and reports of the University in the strategic Court meetings annually.

The Hon'ble Minister for Higher Education, Principal Secretary, Higher Education in the Government continuously review the performance of the University on various academic, administrative and infrastructure related issues and give necessary directions and suggestions.

The Vice Chancellor regularly holds the meetings of the Head of the Schools/Departments of various schools on academic, administrative and welfare issues related to students. Feedback and suggestions received from the students and their parents as well as new developments in the respective fields are discussed for introduction and improvement.

The University has resolved, from its inception, to establish and promote Doon University as a Green Campus. With this view the University has created/established facilities such as solar water heating system, solar/neon street lights, solid waste disposal, making manure from the plant fossil and organic waste, sewage treatment plant, water harvesting system, herbal/medicinal plantation, etc. This initiative and implementation has been very well appreciated by the visitors from outside as well as leaders in the political system and bureaucracy.

Interaction with Stakeholders

The concept and evolution of Doon University is the result of interaction with the stakeholders. The concept paper prepared by the first Vice Chancellor Dr Gajendra Singh, the detailed project report prepared by the Indian Institute of Management, Bangalore provides the documentary evidence in this regard. Even the Master Plan for the infrastructure development of the University is a result of consultation with key stakeholders.

The University interacts with the stakeholders regularly and periodically with the Hon'ble Chancellor, Hon'ble Chief Minister, Hon'ble Minister for Higher Education in strategic meetings/events and projects. Intensive consultations and interaction take place in the meetings of the Court, Executive Council, Academic Council on policy and strategic issues as well as academic and administrative matters. Interactions are also held with experts, academia and students in academic events such as conferences, seminars, workshops, symposia, congresses, etc. Parents and guardians interact with the faculty, administration at the time of admission, periodical assessments and as and when necessary.

Reinforcing a Culture of Excellence

Deriving inspiration from the vision and mission, three core elements to build the work culture and achieve excellence are:

1. Peer-orientation

An academic faculty, whether junior or senior, usually performs the same role throughout his/her career. It is, therefore, important to create a culture where hierarchy is not needlessly introduced and every faculty contributes in the pursuit of academic excellence.

2. Performance driven

Doon University lays a strong performance-oriented culture, with performance to be recognised on three parameters: teaching, research and collegiality. University has created an environment where students are important. Teaching feedback from students is an important element in continuous improvement. Research again is important especially research leading to publications in high-quality journals. This has resulted in significant number of research grants sanctioned to faculty. The third important element of culture is collegiality. Faculties are required to treat each other and the University processes with a certain respect.

3. In competition with self

The University expects a faculty member to be driven by the intrinsic value of teaching and research and build his/her reputation in his/her chosen field of specialization. It is also desirable that a Professor who has "arrived" does not rest on his laurels and under-perform.

To reinforce the culture of excellence the University has taken following initiatives:

1. Faculty is encouraged to attend national and international conferences and apply for extra mural research grants from UGC, ICSSR, DST, ICAR, etc.

2. University has signed MoUs with the national and international universities/institutions such as : Wadia Institute, Dehradun, Indian Institute of Petroleum, Indian Institute of Remote Sensing, Instrument Research and Development Establishment (IRDE) Dehradun, Japan International Cooperation Agency (JICA), University of Osnabruck Germany.

3. Academia-Industry Interface in curriculum development, practical orientation and training, assignment and internships and placements.

Identifying Organizational Needs and Efforts to Fulfill Them

The organizational needs are very well articulated in the detailed project report of the University prepared by IIM Bangalore in 2006. Besides, the infrastructure needs of the University are presented in the infrastructure development master plan of the University. The University also identifies the organizational needs in the context of new education policy initiatives at the national and state level such as 12th Plan policy guidelines, Rashtriya Uchchatara Shiksha Abhiyan, Vocationalization of Higher Education, Digital India initiatives, Swachh Bharat-Swastha Bharat Abhiyan, etc. Enlisting expectations and suggestions from the stakeholders also helps in determining the organizational needs.

The leadership continuously strives to fulfill these needs, expectations and suggestions by way of introducing new programmes, products and services and submitting proposals for approval from State and National Government and agencies. Networking and partnership with national and international institutes are the strategic actions in this direction.

6.1.4 Were any of the top leadership positions of the university vacant for more than a year? If so, state the reasons.

The Top leadership positions, such as Vice Chancellor, Registrar and Finance Controller have never been vacant. Thus, there is a leadership continuum. However, the top academic leadership positions at the school level, such as Professors and Deans have been vacant for quite some time. The reasons are as follows:

1. The retirement age of the teaching staff in the state was 60 years which has been raised to 65 years only in the recent past, whereas in best institutions it was already 65 years.
2. The University has established schools in a phased manner, i.e., starting with two schools in 2009 the University has now established eight schools. The University thus made several concerted efforts to fill the teaching positions accordingly, however, could not succeed in selecting suitable and eminent Professors.

6.1.5 Does the university ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

Yes. All the positions in the three statutory bodies such as the Court, the Executive Council and the Academic Council are filled as provided in the Statutes. The meetings of these bodies are being regularly held. Details of the meetings held so far are as follows:

The Court: Four meetings

The Executive Council: Twenty one meetings

The Academic Council: Twenty meetings

6.1.6 Does the university promote a culture of participative management? If yes, indicate the levels of participative management.

Yes. The University promotes a culture of participative management. The levels of participative management are as follows:

1. Strategic level: The Court, the Executive Council, the Academic Council, the Finance Committee and the IQAC.
2. Management level: Meetings with the Deans and HoDs and the University wide committees such as Faculty Selection Committees, Admission and Evaluation Committee, Fee Structure and Fee Waiver Committee, Central Disciplinary Committee (Proctorial Board), Campus Development Committee, Library Advisory Committee, University Purchase Committee, Anti Ragging Committee, Gender Sensitization Committee, Grievance Redressal Cell, Foreign Collaboration Cell, School Faculty Councils in each School, Academic Advisory Committees in each School
3. Operational level : University Sports Committee, Cultural Committee and Clubs, Hostel Management Committee - Chief Hostel Warden and Hostel Wardens, Entrepreneurship and Skill Development Cell, Scholarship Committees, Equal Opportunity Cell, Placement Cell, Alumni Cell, House Allotment Committee, Foreign Student Cell, Anti Ragging Squad, Committee for Redressal for Gender Issues.

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges and the support and encouragement given to them to become autonomous.

Not applicable.

6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

Not applicable.

6.1.9 How does the university groom leadership at various levels? Give details.

Following measures/opportunities are put in place to groom leadership at various levels:

1 Vice Chancellor and Registrar are members of various strategic committees at the Government level. VC heads the Executive Council and the Academic Council, Registrar acts as Secretary and Member Secretary.

2. Senior faculty is assigned responsibility as Dean, HoD, In-charge HoD, Chairpersons of various committees and also for performing responsibilities such as Controller of Examination, Assistant Dean Student Welfare, Chief Proctor, Director IQAC, N.S.S. Coordinator and Chairperson, Campus Development Committee.
3. Individual faculty members provide academic leadership in respect to their courses and administrative- welfare responsibilities.
4. The faculty and staff are motivated through consultations, mentoring, guidance and help and also by putting in place the required support mechanism.

6.1.10 Has the university evolved a knowledge management strategy? If yes, give details.

The University has evolved and put in place a Knowledge Management strategy as follows:

1. A Centre for Public Policy has been established with the support and funding from N.T.P.C. This Centre provides all the necessary support to the students at Masters, Doctoral, Post -Doctoral and project levels in terms of establishing necessary linkage, funding support, fieldwork, etc.
2. Faculty members are encouraged to undertake research and publish research papers in peer reviewed journals and periodicals.
3. Central Library publishes abstract of articles published in various journals which is circulated for wider dissemination and use among the faculty.
4. An Intellectual Property Rights Cell has been created to deal with matters and issues related to intellectual property and patenting.
5. University is a member of UGC Academic Depository.
6. The e-journals have been subscribed through INFLIBNET and faculty members make use of these journals for teaching and research.
7. The Central Library is fully automated. University community can access/check availability of the required publications for their intellectual pursuit.
8. An ORGI Data Centre has been established with the support of the Office of the Registrar General Government of India to facilitate data and statistics on census for research.

6.1.11 How are the following values reflected the functioning of the university?

Contributing to national development

Contributing to the national development is an implicit mandate and goal of the University as is evident from its vision, mission and characteristics. Our contribution to the national development is explicit in terms of:

Human resource development and building individual capabilities to cater to the needs of the country, society and the economy, the University educates and trains human resources and equips them with the required knowledge and competencies in the chosen disciplinary domains.

The faculties are encouraged to undertake various research studies, surveys, projects that aim at creating new knowledge, find solutions to the problems and also make policy related recommendations. Various research studies and projects undertaken by the faculty are the examples.

The Centre for Public Policy has contributed immensely by establishing a PAN-India development forum called Integrated Mountain Initiative (IMI) of eleven Indian mountain states plus Darzeeling. The IMI has organized four annual summits in 2011, 2012, 2014 and 2015 at Nainital, Sikkim, Nagaland and Arunachal Pradesh. These summits have deliberated on issues and problems of national and international level- such as disaster risk reduction, sustainable mountain development, livelihood, compensating mountain states for the production of forest and green cover, appropriateness of centrally sponsored schemes, etc. Consequent to the efforts of the initiative, a separate cell has been created in the NITI Ayog at Government of India on Himalayan mountain states.

The University is actively participating and contributing in programmes of nation building, such as Swachh Bharat-Swastha Bharat Abhiyan, creating and building awareness in five adopted villages on the environmental issues, innovative technology, welfare programmes, women's issues. Blood donation camps are held from time to time.

Fostering global competencies among students

Skill-competency development among students is the essence of the University's academic architecture and curriculum development. The curricula of the academic programmes are formulated and approved by involving experts of the national and international level and partners from the industry. This has helped in developing and implementing academic programmes that are of cutting edge level and impart competencies to perform and compete at the national and global level.

An Entrepreneurship and Skill Development Cell has been created to specially focus on the skills/competency requirements in the context of fast changing scenario and create necessary opportunities in this regard.

The University's pedagogical approach reflects the changing educational, technological, professional and societal needs and aspirations. Thus, the University is attempting to make a shift from the traditional form of classroom based and teacher centred instructions to more holistic approach to acquire appropriate knowledge and skills. The curricula of the academic programmes have four key elements: active learning, learning beyond the classroom, education for profession and career skills.

Inculcating a sound value system among students, Promoting use of technology

The student community represents a true cultural diversity and is given appropriate opportunities to imbibe values that are commensurate with social, cultural, economic and environmental realities at the local, national and global level. This is facilitated by involving them in various academic, co-curricular and extra curricular activities, *viz*. participation in the events/days of national and international importance (Ozone Day, Earth Day, Hiroshima Day, Constitution Day, Human Rights Day, etc.), academic debates and activities at the University and school levels, sports and cultural activities including competitive events organized by AIU and other Universities. Students also actively participate in seminars, conferences, congresses, which give them opportunity to imbibe required values and develop work culture.

Students have been provided Wi-Fi facility on the campus including the hostels. This is helping them to learn beyond the classroom boundaries, indulge in peer/group consultations, seek guidance and help from the respective faculties and resource persons. Even some classes have been conducted by experts through Skype and WiziQ facilities. With the introduction of new modular student life-cycle management software, students will be able to make use of technology in a more effective manner in terms of accessing learning material, classroom notes, submitting assignments, appearing in assessment exercises, giving feedback, as well as peer based consultation and discussions.

Quest for Excellence

The three elements that create the quest for excellence are peer orientation, performance driven and in competition with self. The overall academic architecture, learning strategy, continuous assessment system, pedagogy of learning, self study and assessment, analysis of the strength and weaknesses, and assessment of the performance of the respective entities of the University are the instruments that help in developing a quest for excellence. These are the systemic measures that have been introduced formally and informally.

6.2 Strategy Development and Deployment

6.2.1 Does the university have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

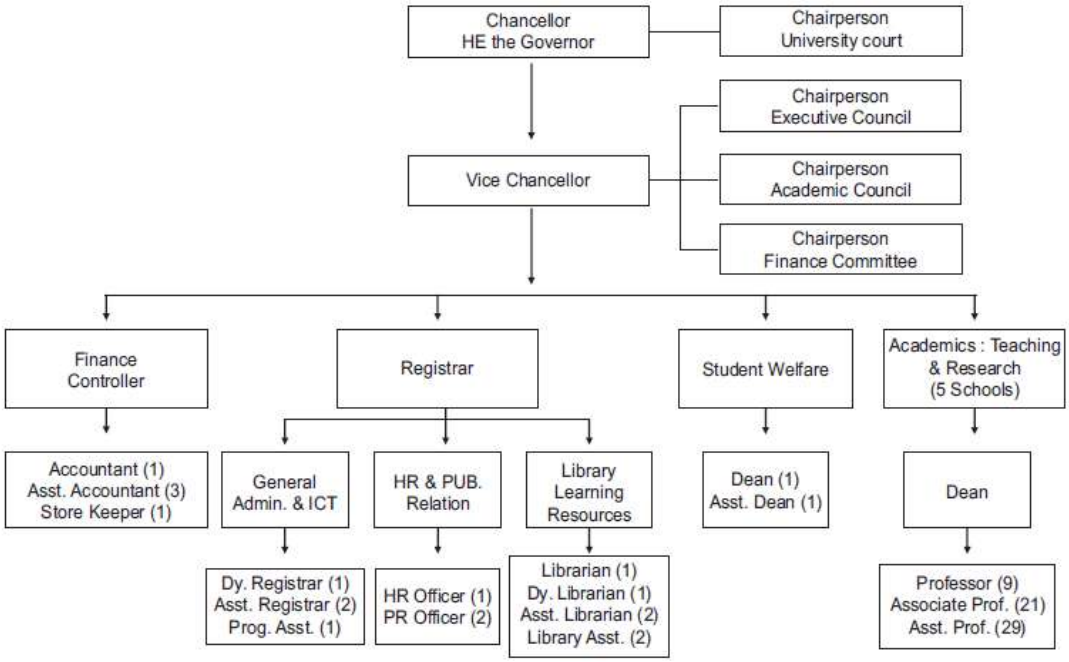
Vision and mission, Teaching and learning, Research and development, Community engagement, Human resource planning and development, Industry interaction, Internationalisation, etc.

Yes. The University has a perspective plan in place in the form of the detailed project report (DPR) prepared by the IIM Bangalore in 2006. This report includes all the details including the strategy on the points mentioned above. A

copy of the DPR is attached for reference and use. The University has signed MoU with Osnabruck University, Germany.

6.2.2 Describe the university's internal organizational structure and decision making processes and their effectiveness.

The Internal organizational structure of the University is depicted in the following organogram:



Decision making processes on various academic, administrative-financial matters are robust, very well stipulated in the ordinance, rules and regulations as well as budget manuals. The processes are open, transparent and provide for accountability.

An illustration of the processes in practice is as follows:

1. Faculty selection and recruitment processes
2. Non teaching staff selection and recruitment processes
3. Admission processes
4. Continuous evaluation-assessment processes
5. Quality assurance processes
6. Disciplinary matters processes
7. Grievance redressal processes
8. Faculty development processes
9. Procurement processes
10. Organization development and expansion processes-academic
11. Infrastructure development processes
12. Processes with regard to award of scholarships and fellowships

13. Salary and remuneration payment processes
14. Staff leave and benefits processes
15. Faculty confirmation and promotions processes
16. Curriculum development and updation processes

These processes are effective however respective staff need to be trained and capacitated to make use of these processes to contribute in the decision making.

6.2.3 Does the university have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

Internal Quality Assurance Cell:

Doon University has set up an Internal Quality Assurance Cell (IQAC) as per UGC guidelines. The Cell is responsible for ensuring quality in all aspects of academic and administrative functioning of the University. The University strictly follows the UGC Regulations and guidelines in academic and administrative matters. Besides, the University has also laid down adequate norms, standards and approaches in its Statutes, Ordinances and Academic Regulations which are strictly complied with.

Foundation of Modern and Forward Looking Reform Initiatives

Doon University is a modern and forward looking university since its conception. To ensure excellence in teaching and learning, discovery and innovation and engagement with social concerns it has adopted and implemented the semester based academic system, choice and credit based grading system and continuous evaluation system from the first academic year in 2009.

Robust Student Feedback System

It has put up a pragmatic system of students feed back to enhance the quality of teaching with a view to promote excellence.

Quality and Excellence as the Hallmark of University Characteristics

Doon University is a unitary and residential University. PAN-Indian nature of the student community, merit based admission to academic programmes and engaging quality faculty are the characteristic features of the University which enable it to function and contribute as a centre of excellence, respond to the requirement of the society and to have twinning arrangements with leading institutions. University has been successful in ensuring the quality and excellence since its inception up till now.

MoUs and Collaborative Arrangements

The University has collaborative relations and MoUs with the premier national and international institutions and universities. The teachers and students of the University are being benefited through these arrangements. The British Council Division, Government of U.K. has recently selected Doon University for the British Council Generation UK-Indian study placement programme

2016-17. The University shall be hosting UK students for a two week short term course in summer 2016.

Self financed Based Schools and Academic Programmes

The University has established new Schools and is offering new academic programmes under the self finance mode. Details are as follows:

School	Academic Programme
School of Management	Integrated M.B.A.
School of Technology	Integrated M.C.A.
School of Design	Bachelor of Design
School of Physical Sciences	M.Sc. Mathematics
School of Languages	Certificate programmes in Spanish, German, Chinese, Japanese and French

Establishment of Chair Professors

The University has established a Centre for Public Policy headed by a NTPC supported Chair Professor. The Centre aims to promote and nurture research and make serious efforts in the domain of public policy, with special reference to the mountainous regions like Uttarakhand. With this focus it reaches out to establish an on-going dialogue with all researchers working in different Universities, Colleges and Institutions in Uttarakhand.

The Centre for Public Policy has hitherto been active in preparatory actions related to the Draft Action Plan for Climate Change for the State of Uttarakhand as well as providing a platform for the creation and contribution of Integrated Mountain Initiative (IMI), a consortium of mountain/Himalayan states in India. The role played by the Centre, the SENR and the Department of Economics now forms an important part of the process followed in Uttarakhand in continuously improving the content of the State Action Plan on Climate Change.

With a view to promote research in identified interdisciplinary areas and associated related issues the Centre has formulated a policy to offer research scholarship, fellowship/assistantship to the Masters, Ph.D. students and eminent scholars.

Repository and Contribution of UGC Emeritus Professors

Two eminent UGC Emeritus Professors have opted Doon University as an institution to advance their academic pursuit and to work on their respective projects. Being a very young and evolving university it is very satisfying and adds to the potential of the University.

Registration of two foreigner research students

Mr. Mark Jones from College of Asia and the Pacific - Australian National University and Ms Madleina Daehnhardt, a German Ph.D. student from Cambridge University U.K. have been registered as Research Affiliate with the Centre for Public Policy at Doon University.

6.2.4 Does the university encourage its academic departments to function independently and autonomously and how does it ensure accountability?

Yes. The Schools and Departments function independently and autonomously and have been made accountable with respect to the results they are supposed to deliver. Admission of the students in academic programmes, designing and updating of course curricula, ensuring attendance and discipline, planning and implementation of academic, co-curricular and extracurricular activities, conduct of mid term and semester end examinations and all the relevant aspects of academic management such as no dues, admit cards, exposures visits, placement activities are some examples. However, University lays down the necessary guidelines for ensuring accountability, openness and transparency.

6.2.5 During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?

The University has confronted five court cases at the level of the Hon'ble High Court of Uttarakhand and the District Court in the past few years from the teachers, students and common man of the University. The critical issues involved in these cases and the verdicts are:

Case 1- Allowing the faculty to appear in the interview for the post of Associate Professor as the Screening Committee did not recommend his name for interview.

Verdict : Hon'ble High Court dismissed the case.

Case 2- Granting permission to a student to appear in the entrance test for the M.Phil. Economics programme as the student was not allowed to appear in the test as per rules. The student was punished in a case of indiscipline and was not allowed.

Verdict : Hon'ble High Court directed the University to allow the student to appear in the Entrance exam. The student was allowed.

Case 3- Termination of an Associate Professor from the University due to not fulfilling the minimum eligibility conditions/ requirements for the post of Associate Professor.

Verdict : Hon'ble High Court requested the Chancellor to consider the case and take appropriate decision. The matter is still in process.

Case 4- Removal of unauthorized occupation of tea shop in the premises by the University as the shop was not permitted to be opened.

Verdict : Hon'ble District Court has stayed the order of the University to remove the shop. The matter is still not disposed off.

Case 5- Withdrawal of cancellation of admission of a student of M.Sc. Environmental Science as the student did not fulfill the minimum admission eligibility requirement.
Verdict : Hon'ble High Court has directed the student to appeal to the competent authority of the University to consider the case. The representation of the student is proposed to be put up for the consideration of the Academic Council in its next meeting on 23rd December 2015.

6.2.6 How does the university ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder-relationship?

Grievances/complaints of routine nature are considered and resolved without any delay by the respective officers and authorities. For example grievances/complaints related to classroom teaching and facilitation are resolved at the level of the concerned teacher and the HoD, whereas the Vice Chancellor and the Registrar ensure that such complaints are considered by the HoD and the respective School Faculty Council.
A Grievance Redressal Cell/Committee has been constituted at the University level to consider grievances/complaints made by the faculty and staff. The recommendations of the Cell are considered by the competent authority and depending on the seriousness and gravity of the issues involved are also reported /put up for the consideration of the Academic Council or the Executive Council.
A Grievance Redressal portal has also been created in the website of the University wherein the students can lodge their grievances/complaints for consideration. However, no such case has been reported.
Grievance/complaints related to hostel, mess/kitchen are considered by the Hostel Management Committees and if the matter is not resolved Office of the Registrar and the competent authority resolves the matter.
Admission and examination related grievances/complaints are considered and resolved by the Admission and Evaluation Committee

6.2.7 Does the university have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Yes. The University has established a mechanism for obtaining feedback from the students and the stakeholders by giving them representation in various committees and meetings formally and informally. The University has received valuable suggestions and inputs from the students for improving the quality of teaching, learning infrastructure, improvement and expansion of services and facilities and also for new initiatives and implementation of new

schemes and policies. The University has responded positively on most of the suggestions/inputs.

6.2.8 Does the university conduct performance audit of the various departments?

Yes. The University reviews the performance of various schools and departments on a regular basis informally; however, formally it is being done on the annual basis. The performance of each School/Departments is documented in the annual report which is presented in the Executive Council and after its approval is placed in the University Court meeting.

6.2.9 What mechanisms have been evolved by the university to identify the developmental needs of its affiliated institutions?

Not applicable.

6.2.10 Does the university have a vibrant College Development Council (CDC) / Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.

Not Applicable

6.3 Faculty Empowerment Strategies

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff?

The teachers are allowed, to participate in refresher and orientation programmes, take study leave for Ph.D., to undertake research projects, write research articles, present papers in the conferences/seminars, undertake training and consultancy activities, undertake projects in the applied areas which have demonstration effects, deliver lectures in the Friday lecture series and over and above get involved in the professional development of their students. Introduction of research degree programmes in Environmental Science, Communication, Management and Economics is an attempt to enhance the professional development and qualification of the teachers.
Every faculty members have been provided with a laptop or a desktop computer with internet connectivity. A sum of Rs 20,000 (in two years) has been earmarked for each faculty as financial assistance to attend national or international seminars. In addition, a faculty is allowed to use the extent of 50 percent of the overhead charges provided for in a research project funded by the external agencies.

The non-teaching staff is imparted required orientation and training on the job to learn the skills related to their functional areas under the guidance and supervision of their respective controlling officers. Non-teaching staff is intensively involved in new initiatives and programmes which have helped in building their skills and competencies and boosting their confidence and morale.

6.3.2 What is the outcome of the review of various appraisal methods used by the university? List the important decisions.

Following appraisals have been carried out from time to time and the decisions taken are given as follows:

Appraisal-method/ Important Decision

1 Appraisal of the performance of students in exams- Allow or not to allow the students to continue further studies /seek admission in Master Programmes, Provide the facility for appearing in back paper, improvement examination, Provide for remedial classes.

2 Student feedback on teaching and facilitation- Improvement in the teaching and learning process and well as enhancing the learning infrastructure.

3 Self appraisal reports by the faculty- To continue or discontinue a contractual faculty, to confirm or extend the probation of a regular faculty, to consider case of promotion under the CAS.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

In terms of welfare schemes the faculty/teaching staff have been provided residential accommodation in the campus. Some regular and contractual faculties have been given temporary accommodation in the faculty lodge guest house. For non teaching staff, accommodation has been provided to only Vice Chancellor and the Registrar. There are no residential quarters for the non teaching staff in the campus as yet.

The faculty and staff are provided very limited healthcare facility in terms of a part time doctor in the University dispensary. The University has tied up with the Mahant Indresh Hospital, Dehradun, for treatment wherein they are given 20% discount in their medical bills.

The teachers and staff are entitled for their leave benefits as per rules.

There are no other welfare schemes.

6.3.4 What are the measures taken by the University for attracting and retaining eminent faculty?

University provides residential facility in the campus and all the logistic support for advancing their academic-teaching and research pursuit. Eminent faculties are also engaged as visiting professors for a maximum tenure of two years. The faculty is also motivated to undertake research projects and consultancy activities.
In addition, the University has hosted recently two eminent professors under UGC's Emeritus scheme.

6.3.5 Has the university conducted a gender audit during the last four years? If yes, mention a few salient findings.

Formally no, informally yes as the Committee for Redressal of Gender Issues acts proactively in creating an enabling environment in this context.

6.3.6 Does the university conduct any gender sensitization programmes for its faculty?

The University has organized talks and discussions on issues related to women empowerment, gender discrimination and disparities. Issues concerning women and gender discrimination are very often taken up for discussion in the management and faculty meetings. The University is committed to prevent and deter sexual harassment at workplace and has issued a code of conduct in this regard. A Committee for Redressal of Gender Issues has also been set up to deal with such matters.

6.3.7 What is the impact of the University's Academic Staff College Programmes in enhancing the competencies of the university faculty?

Few faculty members of the University have been sponsored to participate in the orientation and refresher programmes by the Academic Staff Colleges programmes at Kumaon University Nainital, Jawaharlal Nehru University, New Delhi, Jamia Millia Islamia, New Delhi and at Gauhati University. The faculties have rated these programmes as very useful for gaining new knowledge and competencies. The faculties are using the knowledge and skill acquired in planning and designing the curriculum as well as imparting teaching to students. At present the University does not have any Academic Staff College of its own.

6.4 Financial Management and Resource Mobilization

The Institution has adequate budgetary provision for academic and administrative activities.
State government provides adequate grant to the University for administrative and academic activities. Every year Doon University gets 7-10 Crore for

recurring expenditure. The State Government also provides fund for Capital expenditure to Doon University. Apart from that the fee collected from students is also used for academic activities of the University.
Optimal utilization of budget is strictly adhered by the institution.
Since Doon University gets the fund in the form of Grant from State Government, it is mandatory for University to follow rules and procedure as prescribed by the State Government. Doon University prepares a proper budget document as per the estimated annual requirement. Accordingly the optimum utilization of budget is strictly adhered by the University as per state government rules and procedure.
The institution maintains a reserve and croupus fund.
There is no such provision for creation of reserve fund in the University as the State Government takes care of salary & other revenue expenditure of Universty and provides grants annually for the same. However, the University has a corpus of Rs 3.00 crore provided by NTPC in the form of fixed deposit, whose annual interest is used for research & related activities.
Internal and external audits are regularly conducted.
Apart from its own internal audit mechanism, we have taken the services of a chartered accountant for internal audit to adopt the best practices and help management to manage its financial matters as well as its strategic objectives.
External audit is being done by two government agencies *viz* Accountant General, Government of Uttarakhand and Director, Departmental Audit, Uttarakhand on regular basis.
The institution and leadership takes initiatives for mobilization of resources.

- University is encouraging the faculty members to provide consultancy on payment basis to various departments and other government bodies and society at large on various issues of national interest.
- Management is approaching the PSUs/ individuals to create a corpus in the University in the form of Endowment Fund/ Development Fund, etc.

6.5 Internal Quality Assurance System

6.5.1 Does the university conduct an academic audit of its departments? If yes, give details.

The University has yet to carry out academic audit of the respective Schools/Departments, however, aspects related to the audit are considered at the level of the School Advisory Committees, IQAC and the Vice Chancellor.

6.5.2 Based on the recommendations of the academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?

Any gaps, difficulties or problems brought into the notice of the respective bodies, as above are referred to the respective HoDs/faculty/Division. The administration has issued advisories formally and informally to take up corrective actions in areas such as improving the classroom interaction, maintaining discipline, arranging guest faculty on special topics/subject/courses, individual difficulties of the students and also strengthening the assessment/examination processes.

6.5.3 Is there a central body within the university to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Though the University has recently appointed Dean, Academic affairs to look into the teaching learning aspects/processes, due to the limited number of senior professors and also small organizational set up- Schools/ Departments/ Student community, the support system for the Dean, Academic Affairs is rather limited. This is to be noted that the respective Schools/Departments are autonomous and accountable for creating and maintaining a smart teaching learning process which are relatively better equipped in terms of staff, equipments, advisors and processes.

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

In the process of selection of appointment of faculty and non-teaching staff IQAC carries out screening of the applications received and adheres to the minimum eligibility conditions for short listing of candidates. The list of shortlisted candidates is put on the website of the University to ensure transparency.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the University for implementation?

The following decisions of IQAC were placed before the statutory bodies of the University and have been implemented.

- Ph.D regulations of the University with regard to mode of admission, pre Ph.D coursework, credit structure of the pre Ph.D coursework, etc.
- Uniformity in the structure of academic programmes in different Schools and Departments with respect to minimum number of credits, number of core and elective courses, etc.
- Provision and guidelines for Zero Semester.
- Constitution of School Faculty Council, Academic Advisory Committee and Doctoral Research Committee in each School/Department.

- To involve Ph. D Students with NET/INSPIRE fellowship in tutorials and practical demonstration.
- Constitution of IPR Cell.
- Constitution of Entrepreneurship and Skill Development Cell.
- Constitution of Foreign Students Cell.
- Constitution of Best Laboratory Practices Committee.
- Constitution of Alumni Cell of the University.
- Implementation of Student Feedback System in each semester.

6.5.6 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

Yes. IQAC have external members in its set up. The University seeks help of these members very often, not just through meetings and provide valuable suggestions related to teaching, research and building the requisite learning environment.

6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

The academic growth of the students including from disadvantaged sections is monitored by the respective faculty/department/school and necessary interventions are introduced to address any gaps, such as providing tutorial classes, remedial classes, individual guidance and mentoring on a demand driven basis. The student advisors also take into consideration, at times, the personal problems of the students as and when they arise.
A Social Empowerment Cell/Equal Opportunity Cell has been set up to help the students from the disadvantaged sections of the society-particularly SC, ST, OBC, Physically Challenged and even economically poor background by organizing remedial classes, special classes on communicative English, Mathematics etc. Informal feedback is obtained from the students in this regard. IQAC proposes to carry out such studies with the help of experts/ research scholars.

6.5.8 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centers, etc.?

Following measures have been put in place for the periodic review:
The periodic review of the Schools and Departments is carried out on a half yearly basis-semester wise in the meeting of the HoDs by the Vice Chancellor. The performance as well as specific issues related to the Schools/Departments/Subject areas including research are also reviewed and considered by the Academic Council of the University in its meetings. The Academic Council meets periodically in a year. These reviews cover areas

such as admissions, curriculum planning, development, implementation, teaching and learning achievements, research work, assessment, discipline, extracurricular and co curricular activities and other topic/issues referred to or received from the Office of the Chancellor, State Government-Department of Higher Education, UGC or any other office/agency.

The University is very small in terms of its size and number of administrative units/staff. The Administrative machinery is lean and thin. Hence the staff works in close coordination with their respective supervisors and senior functionaries who guide and review the functioning and results on routine basis. Financial management aspects are also reviewed in the meeting of the Finance Committee and the Executive Council and overall administrative performance/issues are reviewed and considered by the Executive Council.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the university conduct a Green Audit of its campus?

The University is yet to carry out any systemic "Green Audit". However, various measures have been taken by the University to make the Campus green and eco-friendly. In 2014, students of School of Environment and Natural Resources have conducted an audit to assess the status of environmental management system in Doon University. A documented report on Environmental Management System was prepared based on ISO 14001. The following information was documented:

- Status of environmental awareness based on a survey through a questionnaire.
- Identified and documented all environmental aspects associated with the functioning of the university.
- Status of environmental management system, ambient air quality and noise pollution.
- Emergency preparedness and response plan - containing all details of fire extinguishers, hose reels, and other fire fighting equipments.
- Gap analysis and evaluation of environmental management system based on ISO 14001 for the university.
- Categorization of environmental issues based on their extent of impact on the environment.
- Proposed environmental management plan and policy to address the environmental issues and identify different roles and responsibilities of employees and students of the university.

The University is in the process of setting up a Green Audit Committee for carrying out the detailed green audit of the campus on regular basis.

7.1.2 What are the initiatives taken by the university to make the campus eco-friendly?

University has taken a number of steps to make the campus eco-friendly, which include:

Plantation and Cleaning Drives

University has always endeavored to enhance the quality of the environment by planting trees and making the campus neat and clean. Therefore, plantation is being done on regular basis in the University campus. As a result university campus is well covered with trees, shrubs and herbs. The university has also set up a nursery of medicinal plants within the campus. Different medicinal plants, mainly specific to Uttarakhand region are planted in the nursery and

labeled with their scientific and local names along with its medical uses. The green campus of university provides food and shelter for many forms of wildlife which can be easily spotted in the early morning walk inside the campus. The university also encourages faculty, students and staff to plant at least one tree/plant and take care of their tree/plant. Students of different Schools along with faculties and administrative staffs do cleaning drives inside and outside the campus on regular basis to make the campus and nearby areas clean. Apart from cleaning, students also encourage the people and shopkeepers in the neighborhood to keep environment pollution free by discussion and street play.

Energy Conservation

The faculty members, administrative staff and students are sensitized to use electric power judiciously. Our buildings (classrooms, offices, labs, etc.) are designed in such a way that maximum daylight can be used to save electricity. The campus is switched from conventional incandescent bulbs and mercury and sodium vapour lights to CFLs (and now moving from CFL to Light Emitting Diodes (LEDs). Much of the campus street lights are fitted with Hi-tech Arc-Xenon light system. The university also has several solar energy based street lamps. All electrical appliances installed in the campus have Star BEE (Bureau of Energy Efficiency) rating to save on energy consumption. All the faculties and administrative staff are also encouraged to purchase and use electrical appliances with Star BEE rating for their personal use. Most of the buildings such as hostels, faculty residences, and guest house have solar panels for water heating to save energy. These solar water heating panels are sufficient to meet the demands of hot water supply in hostels and faculty residences within the campus. The same energy conservation strategy will be adopted for the future buildings.

Solid waste management system and sewage treatment plant

The university has its own small scale solid waste management system. The kitchen waste generated in university hostels and faculty lodge are managed by the facility developed by school of environment and natural resources, where it is disposed and converted into compost for further use in the university lawns. The university has also set up a wastewater treatment plant to treat the sewage generated in the campus. The treated water is reused for horticulture purpose. The university is committed to proper disposal of e-waste generated on campus.

Rainwater harvesting System

The buildings are designed in such a way that rainwater can be harvested for ground water recharge (rooftop rainwater harvesting). Water wastage is minimized by checking the leakages regularly.

Awareness programs

The university celebrates several nationally and internationally important days and programmes such as ”Earth Day”, “World Environment Day”, “Swachh

Bharat Abhiyan" and "World Ozone Day". Special lectures and short films on environmental issues are regular events for students, faculties and administrative staffs. Students from different schools regularly are engaged in awareness campaign through cleaning drive and plantation inside and outside the campus in the adopted villages. They also perform street plays on various environmental and social issues to spread the awareness.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the university

Innovations in Research

Renewable Energy

Few projects are in progress at SENR relating to the development of algae based biofuels, wetland biomass based biofuels and light harvesting. The school already has an ongoing Center for Wind Energy and Technology (CWET), Chennai, funded project on local wind resource assessment and evaluation. It is intended that in future the projects related to solar energy, hydroelectric energy, thermal energy and bio-energy will be conceptualized and executed in the school. SENR has also aimed to start a new M. Tech. program in Renewable Energy to build capacities of human resource for continuously expanding renewable energy sector of the country.

Solid waste management

The researchers at SENR are also employing innovative methods to solve the problem of solid waste management. In this line, a route of valorization of e-waste is developed and reported in a dissertation work. In this work, mesoporous material was prepared using non-metallic portion (NMP) of e-waste, obtained from Attero® Pvt Ltd. Similarly, research related to use of egg-shells, plant leaves, and barks, is also being conducted. The university has its own small scale solid waste management system where bio-degradable wastes collected from the kitchens of canteen and hostels are being converted to compost.

Innovation in Admission

The university conducts entrance exam for admission to its various academic programmes at different examination centers throughout the country. This strategy helps in attracting the bright students even from a distant location of the country. The university has the online admission portal from where students can download admit card, submit fees and also upload the scanned copy of the documents for smooth processing of admission.

Admission/affiliation of foreign nationals

The University, as a Centre of Excellence in higher education and research, encourages foreign nationals to seek admission in various academic

programmes of the university. Additionally, the students registered for research degrees such as Ph.D., D.Litt. in overseas universities can also seek affiliation for the purpose of carrying out research work in India.

An "International Admission Desk" at the office of the Registrar, Doon University has been set up to facilitate the process of the admission/affiliation of foreign nationals. The university has also set up a Foreign Student Cell (FSC). The main functions and activities of FSC are:

- To facilitate research students from other countries to undertake research studies/programmes at Doon University.
- To give publicity to academic programmes of Doon University in foreign countries to attract foreign students in seeking admission in these programmes.
- To assist foreign students in all matters related to their admission, study and living in the university and the city.

Innovation in Teaching Learning process

- Classrooms with projector, Wi-Fi connection along with conventional white board.
- Developed an online system for students-teachers' interaction that includes assignment submission, quick feedbacks, attendance, quick dissemination of teaching materials, Classroom allocation and class time-table.
- The online system also includes self-appraisal for the faculty members.
- The entire bibliographic information of all the documents in the library is available through OPAC (Online Public Access catalogue) user interface. The OPAC is searchable by authors, title, subject, holdings, and with any key words. One can see all his/her library account details through OPAC.

Community Development

The university is also actively involved in community development. In this regard, university has initiated a number of activities including the following:

- Adoption of villages: The University has adopted five nearby villages (Kameri, Chesopani, Khatta-pani, Mohakkampur, Rettawala) as a part of community development program. Students have done analysis and testing of municipal solid waste generation, water analysis (surface and groundwater), and soil analysis of these villages. Students regularly launch awareness campaigns in these villages on various social and environmental issues.
- Plantation and cleaning drive in and around the university campus.
- Organization of health check-up and blood donation camps.

7.3 Best Practices

7.3.1 Give details of best practices which have contributed to better academic and administrative functioning of the university

Best Practice – 1

Title: Application of information and communication technology (ICT) for effective management of teaching and administrative affairs of University

Objectives of the practice

- To assist administrators, policy makers and faculties in resource management, strategic planning and recruitment.
- To create fair and transparent governance mechanism.
- To provide all students related issues, information and resources on the university website.
- To assist students requiring subject specific information on lecture notes, tutorial and case study briefs, examination timetables, and results of assessments.
- To ensure that all the students, faculty and administrative staff have timely access to office orders and notices.
- To provide e-journals, and utilizing the repository of the contents.
- To provide e-learning facilities through INFLIBNET and OPAC.

The context

ICT plays a crucial role for effective management of resources while maintaining the transparency and accountability. Digitalization of records and online connectivity of different Schools as well as administrative departments is necessary for effective management of teaching and administrative affairs of the university. Moreover, in today's digital world the prospective students and employees, alumni as well as other stakeholders' first contact with the university are through website. An updated and dynamic website can make a positive impression about the university.

Actual Practice

- The university maintains a dynamic website to display information regarding student admission and examination results, human resources database, and management information. Each School/Centre is having a separate page on the website, where one get all the necessary information regarding the schools/centres like courses offered, syllabi, number of intake in each courses, brief profile of faculty members, facilities available for teaching and research, etc. All tenders, important notices and advertisements are also posted on the university website.
- The university has a fully automated library. The OPAC system has all the bibliographic information of all the documents (Books, Journals, Thesis, etc.) of the library. A user can browse the documents by authors, title, subject,

ISBN number, year, and/or any key words. Apart from this user can also get the details of his/her library account through OPAC. The university plans to have the institutional repository including a section of digital library.

- The university uses e-mail to send notices and agendas to faculties, administrative staffs, and students rather than printing and distributing them.
- The university has developed an online system for students-teachers' interaction that includes assignment submission, quick feedbacks, attendance, quick dissemination of teaching materials, classroom allocation and class time-table.
- The university campus is fully Wi-Fi enabled. All classrooms are having projectors, which can connect through desktop computer, laptop, or ipad/tablets.

Evidence of success

The university has been able to maintain a fair and transparent governance mechanism by keeping all the information regarding admission/recruitment on the website. The entire admission process is online including the notifications or circulars regarding admission, results of entrance examination, deposition of fees, etc. This helps university in handling the hassle free admission even with limited human resources. Notices and circulars along with other information are available on the university website for wider dissemination.

The OPAC system in library has made it easy to search and access the resources available in the library. Students and faculties can quickly access the library information and can check their dues even without visiting the library.

The university campus including the classrooms, hostels, guest house and faculty residences are enabled with Wi-Fi. The use of technology such as advanced projectors with Wi-Fi connectivity in lecture rooms has a positive impact on the teaching process. Each School/Department has its own computer laboratory connected through internet. The computer labs of each School/Department are well maintained with relevant software required for teaching.

All buildings of the university have CCTV system.

Problems Encountered

The current interface of the website is not fully dynamic and interactive.

Resources Required

The University requires more funding to upgrade the current interface of the website and a full time professional staff to maintain it. The financial support is also required to enhance the access to online resources for teaching and research.

Best Practice – 2

Title: Value based and Inter-disciplinary Courses

Objectives of the practice

The objective of this practice is to design courses which can meet the current and future global challenges, be it social, environmental or any other. The

other objective is to start courses through which students can gain skills and experience directly linked to a career in future through self-employment.

The context

Most of the Universities have conventional courses, which are mainly teacher-centric and failed to narrow down the academic-industrial gap. This needs to be changed to new value based and inter-disciplinary courses which can provide students better employment opportunities and encourage them for self-employment.

Actual Practice

The university is running selective courses by keeping the aforesaid objectives in mind. Following are the few Courses, which University has started in the campus:

Postgraduate and doctorate courses in Environment: The School of Environment and Natural Resources is a flagship school of the university. At present it offers the following courses in the Environment:

I. M.Sc. in Environmental Science
II. M.Sc. in Natural Resource Management
III. M. Tech. Environmental Technology (UGC sponsored innovative programme)
IV. Ph.D. in Environmental Sciences, Communication, Management

The aims of starting these courses are to meet the needs of the society by building capacities to address the environmental issues. Curricula of these courses are multidisciplinary and involve latest advances in different fields with an emphasis on research and innovation.

A four year Bachelor of Design (B. Des) course: This programme is aimed at creating professionals who can contribute to the highly dynamic world of Design. Students acquire professional attitudes to set projects and show a critical and contextual awareness in the areas of design. Students can develop self-employment skills after completing this course.

Graduate and post-graduate courses in different languages: School of Languages offers Integrated Masters programme in various languages *viz.* Spanish, German, Chinese, Japanese, and French. In addition, a two year M.A. in English is also being offered. Programmes in Hindi are proposed to be started with the help from UGC as and when the University's proposal submitted to UGC for starting a Hindi Department is approved. In this context the State Government has already given its consent.

Vocational courses: The main aim of vocational courses is to help students to be skilled and experienced in a particular field which offers better employment opportunities. At present, University offers the following vocational course:

I. Certificate programme in different foreign languages.

Evidence of success

Schools such as Environment and Natural Resources, Communication and Languages were started in the first phase. Success can be seen from the fact

that right from the first batch of graduates and postgraduate the placements have been appreciable. The success can also be seen from the fact that a good number of students are taking admissions to these value based interdisciplinary courses.

Problems Encountered and Resource Required

The university is committed to strengthen such value based interdisciplinary courses in near future. However, shortage of resource persons and finance are the major hurdles to start new courses in the university. The university has submitted proposal under the KAUSHAL Scheme to UGC for grant to start B. Voc/ M. Voc and Certificate programmes in Renewable Energy Technology, Television Production, Design Studio Management, Craft Design Development and Actuarial Economics.

Self Study Report

DEPARTMENTAL PROFILE

NAAC Accreditation

PART-2

Doon University, Dehradun
P.O. Ajabpur, Mothrowala Road
Kedarpur, Dehradun-248001
Ph-01352-2533115
email- ardoonuniversity@gmail.com

PART-2

Self Study Report

DEPARTMENTAL PROFILE

NAAC Accreditation-2015

Submitted to

National Assessment And Accreditation Council

Bangalore

Doon University, Dehradun
P.O. Ajabpur, Mothrowala Road
Kedarpur,Dehradun-248001
Ph-0135-2533115,
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Contents

Sl No.	Name of The School	Pg No.
1	School of Environment and Natural Resources	1
2	School of Communication	40
3	School of Management	74
4	School of Languages	101
	Department of Spanish	106
	Department of Chinese	118
	Department of German	131
	Department of Japanese	143
	Department of English	154
	Department of French	164
5	School of Social Sciences	175
	Department of Economics	175
	Centre for Public Policy	197
6	School of Technology	220
7	School of Physical Sciences	230
	Department of Physics	234
	Department of Chemistry	250
	Department of Mathematics	266
	Department of Computer Science	280
8	School of Design	289

Evaluative Report

School of Environment and Natural Resources

1. Name of the Department

School of Environment and Natural Resources

2. Year of establishment: 2009

Program	Year of commencement
M.Sc	2009
Ph.D	2011
M.Tech	2013

3. Is the Department part of a School / Faculty of the University ?

YES: School of Environment and Natural Resources

4. Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Litt., etc.)

- M.Sc Environmental Science
- M.Sc Environmental Science (spz. Natural Resource Management)
- M. Tech Environmental Technology
- Ph.D Environmental Science

5. Interdisciplinary programmes and departments involved

Compulsory course on Environmental Science for all U.G. courses for all schools in University

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programmes discontinued, if any, with reasons

Nil

8. Examination System: Annual /Semester / Trimester / Choice Based Credit System

Semester and Choice Based Credit System

9. Participation of the department in the courses offered by other departments

Teaching course programme 4 (Environmental Science and Disaster management) Teaching programme with other school SoM, SoT, SoSS, SoL Research work – 1 Interdisciplinary Research work with SoC

10. Number of teaching posts sanctioned, filled and actual (Professors /Associate Professors / Asst. Professors/ others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	2	1	1
Associate Professor	4	1	1
Asst. Professors	8	6	6
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M. Phil . Students guided for the last 4 years
Prof. Kusum Arunachalam	Ph.D	Dean & Head	Plant-Microbe Interaction, Forest Ecology, Biodiversity Conservation	18	08 registered
Dr. Surender Singh Suthar	Ph.D	Associate Professor	Vermi-technology& Solid Waste Management	5	05 registered
Dr. Suneet Naithani	Ph.D	Assistant Professor	GIS/RS & Disaster Management	6	03 registered
Dr. Archana Sharma	Ph.D	Assistant Professor	Freshwater Biodiversity & Limnology	6	02 registered

Dr. Vijay Shridhar	Ph.D, NET	Assistant Professor	Air Pollution	7	04 registered
Dr. Vipin K. Saini	Ph.D	Assistant Professor	Light harvesting, Valorization of waste and by-products, Green chemical technology, Clean Energy	6	01 registered
Dr. Ujjwal Kumar	Ph.D, NET	Assistant Professor	Atmospheric Sciences	8	1(Joint-Supervision)
Dr. Achlesh Daverey	M.Tech, Ph.D	Assistant Professor	Waste Water Technology	4	1(Joint-Supervision)

12. List of senior Visiting Fellows, adjunct faculty, and emeritus professors Senior Visiting Fellows

- Prof. J.K. Sharma, Retd. Director , Kerala Forest Research Institute (KFRI), Peechi, Kerala (2008-2013).
- Prof. G.B. Pant, Retd. Director, Indian Institute of Tropical Metereology (IITM), Pune (2011-2013).

Adjunct Faculty

- Prof. P.S. Ramakrishnan, Emeritus Professor, JNU (2009-2014)
- Dr. D.S. Bhakuni, Former Director, CDRI , Lucknow (2009-2012)
- Prof. A. N. Purohit (2009-till date), former Vice Chancellor, H.N.B. Garhwal University
- Prof. Mukesh Khare(2014- till date), IIT Delhi
- Dr. M. G. Porwal (2014- till date), Retired Scientist, IIRS, Dehradun
- Dr. A. Arunachalam (2014- till date), Principal Scientist, ICAR, New Delhi

Guest Faculty

- Prof. Dharm Budhi, former Professor, Devi Ahilaya University, Indore.
- Prof. M. C. Porwal, former Professor, IIRS, Dehradun.
- Dr. Anand Sharma, Director, Deptt. Of Meteorology, Dehradun.
- Dr Raman Nautiyal, FRI Dehradun.
- Dr. Malvika Oniyal, WII Dehradun.

13. Percentage of classes taken by temporary faculty – programme-wise information

- M.Sc Environmental Science - 10%
- M.Sc Environmental Science (spz. Natural Resource Management) – 25%
- M. Tech Environmental Technology – 20 %

14. Programme –wise Student Teacher Ratio

Course	No. of Students	Student Teacher Ratio
M.Sc	**59**	**8:1**
M.Tech	**30**	**5:1**
Ph.D	**10**	**2:1**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and Actual

	Sanctioned	Filled	Actual
P.A.	1	0	-
Junior Assistant	1	2	1
Lab Technician (Multitasking)	4	4 (outsourcing basis)	4

16. Research thrust areas as recognized by major funding agencies

Forest Ecology & Biodiversity Conservation, Solid waste Management, Wastewater Treatment, Nanomaterials , Green technology, Bioprocess Design, Air quality monitoring and Modelling, Climate Modelling, Disaster Management, Remote sensing.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and Grants received Project - wise.

Name of the Investigator	Title of the project	Amount sanctioned	Funding Agency
1. Dr Kusum Arunachalam	Crop Residue Management for Carbon Cycling in Hill Agro ecosystems of Uttarakhand	10.65 Lakhs	UGC
2. Dr Kusum Arunachalam	Development of Medicinal Plant Garden in Doon University	20 Lakhs	HRDI/SMPB
3. Dr Kusum Arunachalam & Dr. Vijay Shridhar	Documentation of Traditional Knowledge in Central Himalayas for Sustainable Development	49.33 Lakhs	DST
4. Dr S S Suthar	Nitrate Contamination in Ground Water of Intensively Cultivated Belts of Northern Semi Arid parts of Rajasthan and Malwa Punjab: Assement and Hazardous zone Mapping	18.55 Lakhs	DST
5. Dr Archana Sharma	Ground water Contamination in Industrial Area in Hardwar District".	11Lakhs	UGC
6. Dr Vijay Shridhar	Assessment of Black Carbon (BC) in Atmosphere of Dehradun & Mussorie Region	12.80 Lakhs	UGC
7.Dr Vijay Shridhar	Wind Resource Assessment in Dehradun	9 Lakhs	C WET
8. Dr. Vipin Saini	Improvement in indoor air quality (IAQ) using natural clay based nanoporous materials	18 Lakhs	UGC

18. Inter-institutional collaborative projects and associated grants received National Collaboration – Existing 4

- Collaborative research work with GB Pant Institute on Himalayan Environment & Development and Uttarakhand Seva Nidhi, Almora –in National Initiative on Climate Resilient Agriculture (NICRA), ICAR funded research project on Community Driven Climate Resilient Agriculture in village Ecosystem of Uttarakhand.
- Collaborative research work funded by DST for National Mission for Climate Change with GB Pant Institute on Himalayan Environment & Development, WII on Documentation of Traditional Knowledge in Uttarakhand Himalaya

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, ALCTIE, Etc.; total grants received.

- UGC-Innovative Programme: 60 Lakh
- DST-FIST : 65 Lakh (2014-2019)

20. Research facility/centre with

- State recognition
  Nil
- National recognition
  Nil
- International recognition
  Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies.

Nil

22. Publications:

- Number of papers published in peer reviewed journals (national / international) 25/54
- Monographs NA
- Chapters in Books 04
- Edited Books 03
- Books with ISBN with details of publishers

- Number listed in International Database (for e.g. Web of Science, Scopus. Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)

  -
- Citation Index – range / average 50-2199
- SNIP

  -
- SJR

  -

- Impact Factor – range / average 0.211- 4.5
- H- index 3 – 18

Last 5 year publication from Doon University

Name	Research Publication	Monograph	Edited Book	Book Chapters	Citation Index	Impact Factor	H- index
Dr.G.B.Pant (Visiting Professor)	2	-	-	-	-	-	-
Dr.Kusum Arunachalam	17	-	1	3	535	0.7-3.5	15
Dr. S.S. Suthar	31	-	1	2	138	4.01	18
Dr.Suneet Naithani	11	-	2	-	-	-	-
Dr.Vijay Shridhar	1	-	-	-	60	3.9	8
Dr.Archana Sharma	2	-	-	1		0..4-2.3	1
Dr. Vipin Saini	1	-	-	-		5.5	3
Dr.Ujjwal kumar (joined recently)	1	-	-	-	-	3.18	8
Dr. Kapil Sharma (contractual faculty2013-2015)	5	-	-	-		0.9-1.8	
Mr. Shikhar Deep (contractual faculty2013-2014)	1	-	-	-	-		
Dr.Harish Andola (Senior technical officer)	7	-	-	-	-		

Publication by Faculty

Dr. G.B.Pant (Visiting Professor)

1. J.V. Revadekar, S.K.Patwardhan, D.R. Kothawale,**G.B. Pant** and K. Rupakumar,2012. About the Observed and Future Change in Temperature Extremes over India, ***Natural Hazards,*** 60(3) 1133-1155.

2. Narendra Singh, R.R. Joshi, S.H. Damle, **G.B. Pant**, 2012.404 MHz wind Profiler to observe precipitation. ***Current Science***, 103 (1) 46-54.

Prof. Kusum Arunachalam

1. Rawat M.,**Arunachalam K.**, and Arunachalam A. Plant Functional Traits and Carbon Accumulation in Forest. **Climate Change and Environmental Sustainability Vol 3(1) 2015 pp1-12**
2. Rawat M.,**Arunachalam K.**, and Arunachalam A.Medicinal Plants Diversity in Doon University Campus, Dehradun. **Advances in Plants Sciences' in Volume No. 28(2) to be published in December 2015.**
3. Sharma S, **Arunachalam K** and Arunachalam A. **2015**. Ground vegetation in a Sal Forest of Lacchiwala Forest Range, Uttarakhand. ***Ad. Plant Sci.*** 28(II) 201-203.
4. Sharma Swanti, **Arunachalam Kusum**, Arunachalam A and Andola Harish Chandra **2015**. Composition of essential oil of nursery-grown *Perilla frutescens* (L.) in India. ***Medicinal Plants***, 7(3) 107-109.
5. Sharma Swanti, **Arunachalam Kusum**, Arunachalam A **2015**. Distribution, ecophysiology and medicinal and neutraceutical usage of *Perilla frutescens* (L.) Britton. ***Medicinal Plants***, 7(1) 214-217.
6. Tangjang, S., Arunachalam, A., **Arunachalam, K**. and S. Deb **2015** Litter fall, decomposition and nutrient dynamics in traditional agroforestry systems of northeast India. ***International Journal of Ecology and Environmental Sciences*** 41(1-2): 43-53.
7. Sharma, S., Arunachalam, K. and **A. Arunachalam 2015**. Distribution, ecophysiology and medicinal and nutraceutical usage of *Perilla frutescens* (L.) Britton. ***Medicinal Plants***.Vol:7(3) 248-251.
8. Rawat, M., arunachalam, A., Arunachalam K. **2015**. Medicinal Plants Diversity in Doon University Campus, Dehradun' . ***Advances in Plants Sciences'*** in Volume No. 28.
9. Balasubramanian D., **Arunachalam K.**, Arunachalam A., and A.K. Das **2014**. Water hyacinth (*Eichhornia crassipes* (Mart.) Solms.} mulch on Soil Microbial Properties in Lowland Rain fed Rice based agricultural system in North East India. ***Agricultural Research*** (Springer) Vol. 12. 2014 Pp 1-8.
10. Balasubramanian D., **Arunachalam K**., Arunachalam A., and A.K. Das **2013** "Water hyacinth (*Eichhornia crassipes* (Mart.) Solms.} Engineered soil nutrient availability in a low-land rain-fed rice farming system of north-east India" ***Ecological Engineering***. Vol 58. Pp 3-12.
11. Balasubramanian D., **Arunachalam K**., and A. Arunachalam **2013** "Occurrence of critically endangered pteridophyte*Helminthostachys zelanica*. Hook. In Burachapori Wildlife Sanctuary, North East India" ***American Fern Journal***. Vol. 103. Pp 13-59.
12. Balasubramanian D., **Arunachalam K**., and A. Arunachalam. **2013** "Policy views on conservation and management of wetlands" (Scientific Correspondence). ***Current Science***. Vol 104.
13. Tangjang S., Arunachalam A., **Arunachalam K**., and Balasubramanian D **2012**.Earth worm cowdung and leaf residue alter soil physio-chemical and microbial properties in traditional agro-

ecosystem of Arunachal Pradesh: ***Journal of Tropical Agriculture*** Vol 50. Pp 76-79.

14. Balsubramanian, D., **Arunachalam, K**., Arunachalam, A. and A.K. Das **2012**. Decomposition and nutrient release of *Eichhornia crassipes* (Mart.) Solms. under different trophic conditions in wetlands of the eastern Himalayan foothills**.** ***Ecological Engineering***, 44:111-122.
15. Upadhyaya, K., Arunachalam, A., **Arunachalam, K**. and A.K. Das **2012.** Decomposition and nutrient release patterns of *Phyllostachys bambusoides* and *Arundinaria racemosa*, India. ***Journal of Forestry Research*** 23(2): 245-252
16. Barbhuiya, A.R., Arunachalam, A., Pandey, H.N., Khan, M.L. and **K. Arunachalam 2012.** Fine root dynamics in undisturbed and disturbed stands of a tropical wet evergreen forest in northeast India. ***Tropical Ecology***, 53(1): 69-79.
17. Roy S., **Arunachalam, K**., Dutta B.K., and A. Arunachalam **2010.** Effect of Organic amendments of soil on growth and productivity of three common crops. ***Applied Soil Ecology*** 45 (2010)78-84,

Dr. S.S.Suthar

1. Verma, R., **Suthar, S. 2015**. Bioenergy potential of duckweed (*Lemna gibba* L.) biomass ***Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*** (Taylor & Francis, USA).
2. Verma, R., **Suthar, S., 2015**. Utility of duckweeds as source of biomass energy: a review. ***BioEnergy Research*** (Springer, USA) (Impact Factor = 3.541).
3. **Suthar, S.** Sharma, K., Mutiyar, P.K., **2015.** Nutrient recovery from compostable fractions of municipal solid wastes using vermitechnology. ***Journal of Material Recycling & Waste Management* 17, 174 -184.** (Springer, Japan).
4. **Suthar, S.**, Verma, R., Shikhar Deep, Kapil Kumar **2015.** Optimization of conditions (pH and temperature) for *Lemna gibba* production using fuzzy model coupled with Mamdani's method. ***Ecological Engineering*** (Elsevier, USA)
5. Verma, R., **Suthar, S. 2015.** Impact of density loads on performance of duckweed bioreactor: A potential system for synchronized wastewater treatment and energy biomass production. ***Environmental Progress & Sustainable Energy*** (Wiley, USA)
6. Yadav, A., Garg, V.K., **Suthar, S. 2015**. Dynamics of microbiological parameters, enzymatic activities and worm biomass production during vermicomposting of effluent treatment plant sludge of bakery industry. ***Environmental Science and Pollution Research*** (Springer, USA)
7. Verma, R., **S. Suthar**, **2015**. Lead and cadmium removal from water using duckweed - *Lemna gibba* L.: Impact of pH and initial metal load. ***Alexandria Engineering Journal*** (Elsevier, USA)

8. Rayal, P., **Suthar, S. 2015**. Role of informal sector in urban solid waste recycling and its trading: A case study of Dehradun city, India. ***Environment, Development & Sustainability*** (Springer, USA).
9. **Suthar, S**, Pavitra, **2014.** Household solid waste generation and composition in different family size and socio-economic groups: a case study. ***Sustainable Cities & Society*** 14, 56-63. (Elsevier, USA)
10. **Suthar, S**., Anupma Sajwan, **2014.** Rapid Impact Assessment Matrix (RIAM) analysis as decision tool to select new site for municipal solid waste disposal: A case study of Dehradun city, India. ***Sustainable Cities & Society*** 13, 12 – 19 (Elsevier, USA)
11. Verma, R., **Suthar, S. 2014**. Synchronized urban wastewater treatment and biomass production using duckweed *Lemna gibba* L., ***Ecological Engineering*** 694, 337-343 (Elsevier, USA)
12. **Suthar, S.,** Gairola, S., **2014**. Nutrient recovery from urban forest leaf litter waste solids using *Eisenia fetida*. ***Ecological Engineering*** 694, 337-343 (Elsevier, USA)
13. **Suthar, S**, Sajwan, P., Sharma, K. **2014.** Vermiremediation of heavy metals in wastewater sludge from paper and pulp industry using earthworm*Eisenia fetida*. ***Ecotoxicology & Environmental Safety*** 109, 177-184. (Elsevier, USA)
14. Indrayani Rawat, **Suthar, S., 2014**, Composting of tropical toxic weed *Lantana camera* L. biomass and its suitability for agronomic applications.***Compost Science & Utilization*** 22, 105-115 (Taylor & Francis, USA)
15. **Suthar, S**., Priyanka Sharma,**2013**. Vermicomposting of toxic weed - *Lantana camara* biomass: chemical and microbial properties changes and assessment of toxicity of end product using seed bioassay. ***Ecotoxicology & Environmental Safety*** 95, 179-187. (Elsevier, USA).
16. Negi, R., **Suthar, S., 2013**. Vermistabilization of paper mill wastewater sludge using *Eisenia fetida*. ***Bioresource Technology*** *128, 193 – 198.*(Elsevier, USA)
17. **Suthar, S., 2013.** Toxicity of methyl parathion on growth and reproduction of three ecologically different tropical earthworms. ***International Journal of Environmental Science & Technology*** 11, 191 – 198. (Springer, USA)
18. **Suthar, S., 2012.** Vermistabilization of wastewater sludge from milk processing industry. ***Ecological Engineering*** (47, 115-119 (Elsevier, USA)
19. Singh, D**., Suthar, S. 2012**. Vermicomposting of herbal pharmaceutical industry waste: earthworm growth, plant-available nutrient and microbial quality of end materials. ***Bioresource Technology*** 112, 179- 185. (Elsevier, USA)
20. **Suthar, S**., Mutiyar, P.K., Singh, S., **2012**. Vermicomposting of milk processing industry sludge spiked with plant wastes. ***Bioresource Technology***112, 214 – 219. (Elsevier, USA)
21. **Suthar, S**., Singh, D., **2012**. Phytotoxicity of composted herbal pharmaceutical industry waste. ***Environmental Science and Pollution Research*** *19 (7),* 3054- 3059 (Springer, USA)

22. Singh. Deepika**, Suthar, S. 2012**. Vermicomposting of herbal pharmaceutical industry solid wastes. ***Ecological Engineering*** 2012, 39, 1 – 6. (Elsevier, USA).
23. **Suthar, S., 2012**. Seasonal dynamics in earthworm density, casting activity and soil nutrient cycling under Bermuda grass (*Cynodone dactylone*) in semiarid tropics, India. ***Environmentalist*** 32 (4) 503-511. (Springer, USA).
24. Garg, V.K., **Suthar, S**., Yadav, A. **2012.** Management of food industry waste employing vermicomposting technology. ***Bioresource Technology*** 126, 437-443 (Elsevier, USA)
25. **Suthar, S. 2012.** Earthworm production in cattle dung vermicomposting system under different stocking density loads. ***Environmental Science and Pollution Research*****,** 19, 748-755. (Springer, USA).
26. Tomar, P., **Suthar, S., 2011.** Urban wastewater treatment using vermin-filtration system. ***Desalination*** 282, 95-103 (Elsevier, USA), Impact Factor = 3.756, Citations = 15.
27. **Suthar, S. 2011.** Utilizing livestock waste solids as bioresource for socio-economic sustainability: a report from rural India. ***Review in Environmental Science & Biotechnology*** 10, 193-197 (Springer, USA).
28. **Suthar, S. 2011.** Production of earthworm *Allolobophora parva* (Eisen) in cattle dung. ***Ecological Engineering***, 37, 644-647 (Elsevier, USA)
29. **Suthar, S. 2011**. Contaminated drinking water and rural health perspectives in Rajasthan, India: An overview of recent case studies. ***Environmental Monitoring & Assessment*** 173, 837 – 849 (Springer, U.S.A.).
30. **Suthar, S. 2011.** Earthworm biodiversity in western arid and semiarid lands of India. ***Environmentalist*** 31, 74-86. (Springer, USA).
31. **Suthar, S. 2011** Earthworm density, casting activities and its impact on canopy soil nutrient profile under different aboveground vegetations. ***Environmentalist*** 31, 227 -231 (Springer, USA).

Dr. Suneet Naithani

1. **Naithani.,** S. and V.B. Mathur **2014**. Specialized Mapping using Climatic Zones for Habitat Conservation. ***International Journal of Advanced Remote Sensing and GIS*****,** Cloud Publications , ISSN 2320-0243.
2. **Naithani, S**., & Patwal, P. S. **2014**. Data-Base Creation and Analysis for Rational Planning, ***Journal of Studies in Dynamics and Change*****,** ISSN:2348-7038, Peer Reviewed, Indexed, 1(1), 29-37.
3. **Naithani, S**., A. Choudhry and S. Chauhan **2014**. Decision Support System for Emergency Response, ***International Scholarly Research Journal for Interdisciplinary Studies (SRJIS)***, An International peer Reviewed, ISSN 2278-8808, ISSN 2319-4766, Nov-Dec, 2013. Vol. II/IX, 2013.

4. **Naithani, S**., and M.M. Doval **2014**. Community Initiatives for Disaster Risk Reduction; A case study; Uttarkashi, India***, Golden Research Thoughts***, ISSN.22315063, Vol.-3, Issue-10, p 1-8.
5. **Naithani, S**., V.B. Mathur and Piyoosh Rotella **2014**. Ground Water Prospect Mapping of Pench Tiger Reserve (PTR), Madhya Pradesh, India***, Ecology, Environment and Conservation,*** Vol. 20 (1), p51-58
6. **Naithani, S**., **2013**. Database Creation and Assessment of Government Schemes, *Golden* ***Research Thoughts***, ISSN.22315063 Nov.,Vol. 3 Issue 5, p1-4.
7. **Naithani, S**., **2013**. Interpretation and Analysis of Habitat Parameters in Rajaji National Park, Uttarakhand, ***Journal of International Academic Research for Multidisciplinary (JIARM)***, ISSN: 2320-5083, Nov., 2013,Vol. 1, Issue 10, p 302-308.
8. Sharma, R., **S. Naithani**, G. Areeddran and K. Raj **2013**. Gap Analysis in South Eastern and Western Ghats, Using Geo-informatics, ***International Journal of Asian Academic Research Associates* (AARA)**, ISSN 2319-2801, Vol. 1 Issue 15,p 180-189.
9. **Naithani, S**., and V.B. Mathur **2013**. Geomorphological Mapping for Conservation using Geo-informatics, ***Scholarly Research Journal for Interdisciplinary Studies (SRJIS)***, ISSN 2278-8808, July-August, 2013, Vol. II/VII, p1514-1523.
10. **Naithani. S**., **2013**. Disaster Mitigation using Participatory Learning Action for a Village, Uttarkashi, Uttarakhand, ***Scholarly Research Journal for Interdisciplinary Studies (SRJIS)***, ISSN 2278-8808, July-August, 2013, Vol. I, p 1529-1534.
11. **Naithani, S**., P. Bhardwaj and A. Chaudhry **2013**. Landslide Hazard Zonation Mapping of Kempty Fall Area, Mussoorie, Using RS &GIS, ***International Journal of Asian, Academic Research Associates (AARA),*** Vol. 1, Issue 10, p.224-235.

Dr. Archana Sharma

1. Ashish Anthwal, Nutan Gupta, **Archana Sharma**, Smriti Anthwal and KI-Hyun Kim. 2010. Conserving biodiversity through traditional beliefs in Sacred Groves in Uttarakhand Himalaya, India. ***Resources, Conservation and Recycling***. 54 .962–971
2. **Archana Sharma**, 2012 . Suitability assessment of groundwater for drinking purpose in few selected regions of Dehradun city, Uttarakhand, India***, Journal of Sustainable Environmental Research*** 1(2): 195-198

Dr. Vijay Shridhar

1. **V. Shridhar**, P S Khillare, T Agarwal, S Ray.**2010**. Metallic species in ambient particulate matter at rural and urban location of Delhi. ***J. of Hazar Mats***, 175 (2010) 600–607.

Dr. Vipin Saini

1. Joao Pires, Moise´s L. Pinto, Carlos M. Granadeiro, **Vipin K. Saini**, **2014** Effect on selective absorption of ethane and ethylene of the polyoxometalates impregnation in the metal organic framework MIL-101, ***Absorption***, , 20,533-543

Dr. Ujjwal Kumar

1. Alka Singh, **Ujjwal Kumar**, Florian Seitz, **2015,** Remote Sensing of Storage Fluctuations of Poorly Gauged Reservoirs and State Space Model (SSM)-Based Estimation, ***Remote Sensing,*** (Accepted).

Dr. Kapil Sharma (Contractual Faculty: 2013-2015)

1. **Kapil Kumar**, M.G. Dastidar and T.R. Sreekrisnan **2014** Tolerance levels of sulfur-oxidizing microorganisms to Methylene blue and Remazol black B dyes during sewage sludge bioleaching**.** ***Desalination and Water Treatment*** (Taylor & Francis, USA),Volueme 52, Issue 31-33, 6185-6193.
2. **Kapil Kumar**, Surindra Suthar, M.G.Dastidar and T.R. Sreekrisnan **2014** Bioleaching of heavy metals from textile sludge by indigenous sulfur-and-iron-oxidizing microorganisms using elemental sulfur and ferrous sulfate as energy sources: A comparative study. *Geomicrobiology* (Taylor & Francis, USA), Volueme31, Issue 10, 847–854
3. **Kapil Kumar**, Gaurav Kumar Singh, M.G.Dastidar and T.R. Sreekrisnan **2014** Effect of mixed liquor volatile suspended solids (MLVSS) and hydraulic retention time (HRT) on the performance of activated sludge process during the biotreatment of real textile wastewater, *Water Resources and industry* (Elsevier, USA), Volume 5, 1–8.
4. **Kapil Kumar**, M.G. Dastidar and T.R. Sreekrisnan **2014** Tolerance levels of Iron-oxidizing microorganisms to Methylene blue and Remazol black B dyes during sewage sludge bioleaching. *Geomicrobiology,* (Taylor & Francis, USA)
5. **Kapil Kumar**, M.G. Dastidar and T.R. Sreekrisnan **2013** Feasibility of different carbon sources for growing microbial biomass in aerobic batch reactor and their application for dye removal from contaminated wastewater. *Desalination and Water Treatment* (Taylor & Francis,USA)

Mr. Shikhar Deep (Contractual Faculty: 2013-2014)

1. **Shikhar Deep**, Akansha **2014**, Urban Sprawl Modeling using Cellular Automata, The Egyptian Journal of Remote sensing and Space Sciences,(Elsevier, USA).

Dr. Harish Andola

1. Purohit, V. K. **Andola, H.C**. Haider S. Z, Tiwari, D., Bahuguna Y. M., K.C. Gairola, K
   Arunachalam **2015.** National Academy Science Letters Essential Oil Constituents of Angelica glauca Edgew. Roots: An Endangered Species from Uttarakhand Himalaya (India).
2. Purohit, V. K. **Andola, H.C**., Tiwari, D., Bahuguna Y. M., Haider S. Z, K Arunachalam **2015** Volatile constituents of endangered species Nardostachys grandiflora DC. rhizomes from Uttarakhand Himalaya (India). ***Indian Journal of Natural Products and Resources***: 6(2) PP-134-137.
3. Singh, P., **Andola H. C**, Rawat, M. S. M., Jangwan J.S. **2015**. GC-MS Analysis of EssentialOil from Lavandula angustifolia Cultivated in Garhwal Himalaya ***The Natural Products Journal*** 5 (4), 268-272.
4. Sharma, S. Arunachalam, K Arunachalam, A, **Andola H. C**. **2015**.Composition of essential oil of nursery-grown Perilla frutescens (L.) in India Medicinal Plants- ***International Journal of Phytomedicines and Related Industries*** 7(3) 245-247.
5. **Andola H. C** Arunanchalam, K., Maithani A **2014** Aroma profile of *Lavander angustifolia* from lower Shivalik Hills of Uttarakhand Medicinal Plants-***International Journal of Phytomedicines and Related Industries*** 6(4) 303-306
6. **Andola, H. C**, Purohit,V. K, Chauhan,R. S., Arunachalam, K **2014** Standardize quality standards for Aromatic hydrosols Medicinal Plants-***International Journal of Phytomedicines and Related Industries*** 6 (3) 161-162.
7. Haider, S Z. Mohan, M., **Andola H.C**. **2014** Constituents of *Artemisia indica* Willd. from Uttarakhand Himalaya: A source of davanone, ***Pharmacognosy research*** 6 (3): 257-258.

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

Name of the Investigator	Title of the project and duration	Amount sanctioned	Funding Agency
1 Dr. J.K. Sharma	International Consultant in Thailand on "Promotion of Small and Medium Enterprises of Wood Processing Industries in Thailand through Sustainable Forest Plantations in Private Lands" December-		International Consultancy:. FAO, UN

	March 2011; October-December 2012.		
2.Dr G B Pant & Dr Kusum Arunachalam	Status of Climate Change in Uttarakhand One Year	7 Lakh	GIZ

25. Faculty selected nationally / internationally to visit other laboratories / institutions /in India and abroad

Nil

26. Faculty serving in

National committees**,** b) International committees, c) Editorial Boards**,** d) any other (please Specify)

Dr. J.K. Sharma (Visiting Professor, 2008-2013)

Dr. J.K. Sharma was appointed as an International Forestry Policy Expert for Thailand for drafting
National Forest Policy and Forest Act for Thailand during November-December, 2011.
Dr. J.K. Sharma was a member Statutory Committee in EIA, Appraisal Committee (EAC) for
River Valley and Hydroelectric Projects, MoEF, GOI (2012-2014).
Expert Member, Expert Group A - Conservation and Sustainable Utilization of Natural Resources, MOEF, 2013-2017.
Expert Member in Environmental Appraisal Committee (EAC) for EIA for River Valley and Hydro-electric Projects. 2013-2017.

Dr. G.B. Pant (Visiting Professor, 2011-2013)

Dr. G.B. Pant was appointed Chairman of the Thematic Panel on Global warming and Climate Change for the Indian Social Science Congress 2012.
Dr. G.B. Pant was appointed as Chairman of the Research and Development Council of the Snow and Avalanche Study Establishment (SASE), DRDO Ministry of Defense, Government of India.

Dr. Kusum Arunachalam

Fellow & Membership

- Fellow of Tropical Ecology, 2011.
- Fellow of Academy of Forests and Environmental Sciences, 2014.
- Member, Academic Council, HNB Medical University, Dehradun.
- Member, Executive Council, Herbal Research & Development Institute, Gopeshwar.
- Member, Indian Society of Soil Science, IARI, New Delhi
- Member, Sikkim Science Society, Gangtok.
- Life member, Indian Society of Soil and Water Conservation, Dehra Dun
- Life member, Bamboo Society of India, Bangalore
- Life member, Indian Society of Soil Biology and Ecology, Bangalore.
- Life member, Social Science Research Institute of Arunachal, Itanagar

- Life member, Indian Society of Tropical Forestry, Jabalpur.
- Life member, Indian Science Congress Association, Kolkata
- Life member, National Institute of Ecology, New Delhi
- Member, International Society of Tropical Ecology, Varanasi.
- Life Member, International Society of Environmental Botanists, Lucknow
- Life Member, National Environmental Science Academy, New Delhi

Editorial Board

- Prof. K. Arunachalam, Associate Editor, Jourrnal of Sustainable Environmental Research (ISSN: 2778: 196X).
- Prof. K. Arunachalam, Editorial Board member, ESSENCE, International Journal for Environmental Rehabilitation and Conservation (ISSN: 0975: 6272).
- Prof. K. Arunachalam, Editorial Board Member, World Research Journal of Bioinformatics (e-ISSN: 2348: 5566).
- Prof. K. Arunachalam, Editorial Board Member, Medicinal Plants (ISSN: 0975: 4261).

Honours & Awards

- Honorary Appointment to the Professional Women's Advisory Board, ABI, USA.
- Consulting Editor of The Contemporary Who's Who, American Biographical Institute, USA
- Awardee – BOYSCAST Fellowship 2003 to University of Freiburg, Germany
- National Young Woman Bioscientist Award by DBT, New Delhi
- Biography included in Who's Who in Science & Engineering, Marquis Who's Who, USA
- Included in Database of Environmental Experts in India
- Founder Member, International Women's Review Board of American Biographical Institute, USA since 2008

Dr. Surendra Singh Suthar

Inter-National Committee

- Member - **Commission on Ecosystem Management (CEM)**, International Union for Conservation of Nature (IUCN), Switzerland (2009 – 2012, May 2013 - 2016)
- **Member – CEM South Asia**, IUCN, Switzerland (2013 – 2016).
- Member - ***International Society for Environmental Information Sciences, Canada*** (2013 – onwards)

- Member – Senior Category, ***Institute of Research Engineers and Doctors, USA*** (2014 –onwards).
- Senior Member – ***Universal Association of Computers & Electronics Engineers, USA***.
- **Asia-Pacific Chemical, Biological& Environmental Engineering Society** (APCBEES), Hong Kong (Senior member, Appointed on Aug. 2011)
- Member- ***International Society of Organic Agriculture Research*** **(ISOFAR), Bonn, Germany** (Appointed on Jan., 2010)

Editorial Board

Editorial Board: international Journal of Recycling of Organic Waste in Agriculture, Springer, USA (2014 – 2016).

- Member – Editorial Board: Open Journal of Pollution and Treatment, Scientific Online Publications, USA (20/11/2013 to 19/11/2015).
- Member – Editorial Board: Journal of Environment Science & Sustainability, India (online journal: www.jessresearch.com)
- Member – Editorial Board: International Journal of Sustainable Materials, IRED, USA.
- Member – Editorial Board: International Journal of Environmental Engineering, IRED, USA.

Any other (please specify):

- **Expert Member Review Panel** – National Research Grant Proposal, National Center of Science and Technology Evaluation, Ministry of Education and Science, **Republic of Kazakhstan** (2014)
- **Expert Member Review Panel**, Research Grant Proposal - **Latvian Science Council (Republic of Latvia)** (2010)
- **Expert Member Review Panel**, research grant proposal - For international project proposals, **International Foundation of Science (Sweden)** (2009)
- Member BOS – Environmental Science – IIS University, Jaipur
- **Member** - Expert Panel for the Programme Designing Committee – M.Sc. Environmental Science (IGNOU, New Delhi)

Dr. Suneet Naithani

- Uttarakhand **State Academic Coordinator** of National Children Science congress (**NCSC**), **DST**
- National level Jury member nominated by DST and the State Organizing Committee, NCSC, Uttarakhand; People's Association of Hill Area Launchers from 17.6.2014 to 17.6.2016.
- **Chairman,** State Draft Committee. Uttarakhand State for preparing State Crises Management Plan (CMP) and Standard Operation Procedures (SOP's), Govt. of Uttarakhand,21/4/2010.

Reviewer

- Journal of Earth Science and Engineering
- International Journal of Forestry Research
- Book; Disaster Science and Management: Theory and Practice

Editor

- International Journal of Advanced Remote Sensing and GIS, Cloud Journals (Cloud Publications LLP), 23,Sector-22,Noida,NCR Delhi, India, ISSN 2320-0243. April, 2014 onwards

- Online (**Editorial Board Member)** International Scholarly Research Journal for Interdisciplinary Studies, An International Peer Reviewed Scholarly Research Journal for Interdisciplinary Studies Ambegaon (BK), Pune, ISSN 2278-8808 Maharashtra, India.

Dr. Vijay Shridhar

- Invited Editor of Frontier Journal, Nature Publication Group in Environmental Toxicology
- Journal Invited Reviewer for Elsevier and Springer

Dr. Vipin Saini

Reviewer:

- Journal of Colloidal and Interface (Elsevier),
- ChemSusChem (Wiley-VCH),
- Environmental Science & Technology (ACS),
- Journal of Colloids and Interface Science (Elsevier)
- Journal of Hazardous Materials (Elsevier),
- Applied Water Science (Springer),
- Current Green Chemistry (Bentham Science)
- Journal of Environmental Management (Elsevier)
- Journal of Materials Research and Technology (Elsevier)

Membership: International Adsorption Society, Materials Research Society of India

Dr. Achlesh Daverey

Journal invited *Reviewer*-

- Bioresource Technology
- Process BiochemistryClean - Soil, Air, Water
- International Journal of Hydrogen Energy
- Microbial Ecology;
- Water Air & Soil Pollution;
- Journal of Separation Science;
- 3Biotech.

Editorial Board Member, Advances in Life Sciences, (Publisher: Scientific & Academic Publishing Co., USA).

Dr. Ujjwal Kumar

Reviewer:

- Atmospheric Environ.
- Energy
- Energy Conversion & Manangement
- Applied Computing & Informatics,
- Environ. Modeling & Software,
- Environ. Modeling & Assess.,
- Environmental Pollution
- Stochastic Environ. Research & Risk Assess.,
- Aerosol & Air Quality Research,
- Applied Mathematics & Computation
- Applied Energy,
- Atmospheric Pollution Research,
- Computational Statistics
- Desalination and Water Treatment
- International Journal of Air Quality, Atmophere and Health
- Journal of Atmopshere, and Solar Terrestrial Physics
- Open Atmos. Sc.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, Training programs and similar programs). : YES

NAME OF FACULTY	DATE / DURATION	DETAILS
Dr. Kusum Arunachalam	2011 21March-3 April 2014	Six days training workshop for women scientists organized by Wildlife Institute of India & DST on "Role of Scientists in Biodiversity Conservation". Two weeks training Programme on EIA for Mining organised by CSE, New Delhi
Dr. Surendra Suthar	29 – 31 August 2011	Invited to deliver special task on "Vermifiltration system for urban wastewater treatment: some experimental approaches" during INDO-UK Workshop on

		Current Development of Wastewater Treatments - Advanced Separation Processes, NIT, Tiruchirappalli
	28 – 29th November, 2011.	Invited resource person during CPCB Sponsored Workshop on Integrated Municipal Waste Management held at Departmnet of Civil Engineering, Aligarh Muslim University (AMU), Aligarh, Task topic – Composting: Science & Technology.
	25th Feburary 2014.	Invited resource person during DBT Sponsored Workshop cum National Seminar on New Dimentions in Eco Management held at MCM DAV College, Chandigar, Task topic – Eco-technology: New Dimentions in Eco Managemnet.
	11 -12 March 2014.	Invited Talk on"Vermifiltration and wastewater treatment: some recent approaches" during National Seminar: Perspectives in Plant & Environmental Sciences, Guru Nanak Dev University, Amritsar,
	4th March 2011.	State Level Programme of Capacity Building and Strengthening of Vermicomposting Units in Universities and Colleges Through Solid Waste Management (SWM) Training, Sponsored by – USERC, Dehradun; UEPPCB, Dehradun and Sparsh Ganga Board, Dehradun,
	24th May 2011.	State Level Water Quality Training Workshop for Water Managers, sponsored by DST, New Delhi & UCOST, Dehradun.

	1 – 2nd May, 2011. 11 – 13th Feb., 2011	National Conference on Environmental Conservation, Sustainable Natural Resource Management and strategies for Regional Development with Reference to Uttarakhand, organized by DPS PG College, Dehradun, International Conference on Green Technologies for Environmental Rehabilitation (GTER-2012), organized by Gurukul Kangri University, Haridwar
Dr. Suneet Naithani	11-12th Oct., 2014, Pune.	Chairman and Key note Speaker; National Conference on Innovative Practices in Teacher Education, Abhinav Education Society College of Education, Pune.
	21-22 August, 2014 at WII, DDun.	Annual Research Seminar and Alumni Meet at Wildlife Institute of India (WII), D Dun.
	UGC Staff College, HP University, Shimla, 26 Aug.-21 Sept.,2013.(3 weeks)	Orientation Programme (OP), UGC staff College, HP University, Shimla.
	Sponsored by EDI & Graphic Era University, Dehradun, 25th Jan. to 5th Feb., 2011, (2 weeks).	Entrepreneurship Awareness Camp, Doon University, Dehradun.
	Wadia Institute of Himalayan Geology,14th Dec., 2010.	Workshop, Earthquake Risk Reduction in Himalaya with special reference to Dehradun.
	IIT Roorkee 27th - 29th, April, 2010, by Doon Univ.	Workshop, "How to Organize Placements".
	January, 2015	Second World Disaster Management Congress,, Hyderabad.

Dr. Archana Sharma	25 - 29 Oct. 2010	Six days training workshop for women scientists organized by Wildlife Institute of India & DST on "Role of Scientists in Biodiversity Conservation".
	1st – 5th July 2011	Attended Short Term Course (STC) organized by IIT Roorkee on "Environmental Monitoring and Guidelines for Environmental Impact Assessment Studies"
	28-29 Dec. 2011	National Seminar on "Environmental Pollution and Bioremediation", JNU,New Delhi
	21-23 Nov.2012,	State Science Congress, at Graphic era University organised by UCOST,Dehradun
	26-28 Feb. 2014	State Science Congress, at Vigyan Dham, UCOST, Dehradun
	27-28th Dec. 2014	International Conference at JNU organised by Krishi Sanskriti, New Delhi 4th International Conference on
	24-26 May 2015	"Innovative Research in Applied Physical, Mathematical/Statistical, Chemical Sciences, Environmental Dynamics, Integration of Life Sciences and Engineering"
	27-28 Nov. 2015	Three day Workshop on " Geospatial Education and Training Workshop on Manangement of Water Resources, Glaciers and Climate Change " at NIH

		(Natioanl Institute of Hydrology), Roorkee,.
Dr. Vijay Shridhar	15 - 19 Feb 2010 13-15 March 2010] May-June 2011 23 - 27th Sept 2013 21March-3 April 2014	MDP on "Climate change adaptation and mitigation strategy" under Management Development Programme, IIPA New Delhi, Mountain Biodiversity: Conservation & Sustainable utilization, Doon University Dehradun on " Climate change and GHGs Mitigation" ICFRE Dehradun ISRONRMS sponsored certificate programme on RS GIS application to Atmospheric & meteorology by IIRS Dehradun Training on "Indian Patent system" RGNIIPM Nagpur Two weeks training Programme on EIA for Mining organised by CSE, New Delhi
Dr. Vipin Kumar Saini	March 11-12, 2014 March 8, 2014	National Seminar on 'Perspectives in Plant and Environmental Sciences', Composite zeolite foam / metal organic framework (MOF-199) for the adsorption of volatile organic compounds, Department of Botanical & Environmental Sciences, Guru Nanak Dev University, Amritsar (Punjab) March 11-12, 2014. National Seminar on 'Chemistry For a Better Tomorrow: Current Trends and Challenges'Ethane Selective IRMOF-8 and its application in Ethane-Ethylene Separation by Adsorption, at Mata

	September 2014	Gujri College, Fatehgarh Sahib, Punjab Participated in a Two-week ISTE-STTP on Environmental Studies, conducted by Indian Institute of Technology Bombay.
Dr. Ujjwal Kumar	24-26 May 2015 29-July-2015	Three day Workshop on " Geospatial Education and Training Workshop on Manangement of Water Resources, Glaciers and Climate Change " at NIH (Natioanl Institute of Hydrology), Roorkee,. 2. Invited talk on "Ensemble Kalman Filter for the simultaneous assimilation of surface (O3, PM10, PM2.5) and satellite data (OMI NO2) into the CTM LOTOS-EUROS to assess the European air quality" at NARL-Natioanl Atmospheric Research Laboratory, Tirupati

28. Student projects

Percentage of students who have done in – house projects including inter- departmental Projects

- M.Sc Env.Sc & NRM (2009-2015) : 45%
- M.Tech (2013-2015) : 60%

Percentage of students doing projects in collaboration with other universities / industry/Institute

- M.Sc Env.Sc & NRM (2009-2015) : 55%
- M.Tech (2013-2015) : 40%

29. Awards / recognitions received at the national and international level by

Faculty

Dr. Kusum Arunachalam:

- BOYSCAST Post Doctoral Fellowship at Albert Ludwig University, Freiburg, Germany, Department of Science & Technology.
- National Young Women Bioscientist Award by DBT, Department of Science & Technology.
- Commonwealth Youth Silver Award by Commonwealth South East Asia Secretariat
- Fellow of Tropical Ecology by International Society of Tropical Ecology

Dr. Surendra Singh Suthar

- Medal for Excellence in Science, Technology & Education, 2013, Szent Istvan University, Hungary.
- NUFFIC Fellowship - Govt. of Netherlands (July 2011) to study a course on Solid Waste Management at UNESCO-IHE, Delft, Netherlands.
- Fast-track Young Scientist Award, 2011. Department of Science & Technology, Govt. of India.

Dr. Vipin Kumar Saini

- Awarded FCT-Postdoctoral Fellowship, (twice) 2011 & 2007, from Govt. of Portugal
- Awarded DST-DAAD Fellowship, from Govt. of India & Govt. of Germany

Doctoral / post doctoral fellows

- Mr. Vignesh Prabhu S, UGC NET JRF
- Mr. Abhijeet Kadam, UGC NET JRF

INSPIRE Fellowship, DST

- Ms. Swanti Sharma, at Doon University
- Ms. Sangeeta Sundriyal , at Doon University
- Ms. Monika Rawat , at Doon University
- Ms. Anvita Pandey, at Doon University
- Ms. Pinki Taneja, at NEERI, Nagpur

Doctoral Fellowship Inter-national

- Ms. Rubia Zahid Gaur – Israel Government Fellowship 2015-2016
- Ms. Garima Gupta – New Castle University Overseas Research Scholarship 2015-2018

Post Doctoral

Dr. Garima Dixit, DST, Young Scientist Award at Doon University

Student Fellowship/Recognition

- Ms. Bhawna Pandey, DST Women Scientist under DISHA Scheme

Students International collaborative Work

- Ms. Anvita Pandey (2015), presented a Paper and a poster in an International Conference "NEEDS" organized by University of Copenhagen, Denmark funded by NORDRESS, Iceland.
- Ms. Anvita Pandey (2015), presented a paper in the 4th Annual Kathmandu Conference on Nepal and the Himalaya organized by Social Science Baha in partnership with Association for Nepal and Himalayan studies, British-Nepal Academic Council and Centre for Himalayan Studies in Kathmandu, Nepal.
- Ms. Anvita Pandey, worked as a Volunteer Researcher (2014) in the Ecosystem Services for Poverty Alleviation project in collaboration with University of Cambridge, UK.
- Ms. Anvita Pandey, worked as a Volunteer Researcher (2015) in a Disaster Management project in collaboration with University of Cambridge, UK.

30. Seminars/Conferences /Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

Details of seminars/ workshops/ conferences etc. organized during last 5 years*:

- National conference on climate change June 2009 at Doon University Dehradun
- Application of Ion chromatography and Voltameter Analysis of Ion, heavy metals Transition metals in water, Air and soil" was conducted by SENR in collaboration with Uttarakhand Environment Protection & Pollution Control Board on 17th December 2009 in Doon University
- 1st Rashtriya Yuva Vaigyanik Sammelan, 5-6 February, 2010 Supported by UCOST & DST.
- International Conference on Mountain Biodiversity Conservation and Sustainable Utilization, 13-15 March 2010. Supported by DST, CSIR & UCOST.
- 5th Uttarakhand State Science Congress, 10th -12th November, 2010, Supported by UCOST, & DST Uttarakhand.
- Three day workshop on Elementary Statistical techniques and use of statistical package in May, 2011 for the faculty and students.
- 1st Regional Consultation on State Action Plan for Climate Change, March 26 and 27, 2012. Supported by WWF.
- Workshop on EIA organized by School of Environment & Natural Resources, on 12th June 2011. Supported by Uttarakhand Pollution Control Board.
- 4 Days workshop on Ground water and water harvesting during 23-26th August, 2011.
- Workshop on Himalayan Glaciers and Glaciations on 9th September, 2011.
- Workshop on Mountain Group on Ecosystem and Challenges faced by Mountain People, 12 November, 2011.

- World Wetland day in collaboration with WWF on 2nd February, 2012.
- Two day regional consultation on Uttarakhand State Action Plan on Climate Change during 26-27 March, 2012.
- Earth Hour celebration for creating awareness among students on energy conservation on 31st, March, 2012.
- Environment Day celebration 5th June, 2012.
- A Brain storming Session on Building Sustainable Uttarakhand for tomorrow during 29-31st August, 2012.
- One Day workshop on Effective approach to do research in Ecology & Environmental Science was organised for the researchers and students on 1st September, 2012.
- An Interdepartmental Round Table to Mainstream gender in to Climate Change Adaptation Programmes on 27 November, 2012.
- One day Youth Seminar on Uttarakhand on Green growth: Preparing Youth for Sustainable living jointly organised by SENR & TERI during 5 & 6th March, 2013.
- National conference on "Green Technologies for Sustainable Environmental Management" 22nd 23rd March 2013. Supported by UCOST & DST.
- 8th Uttarakhand State Science Congress 21-23 November 2013. Supported by UCOST.
- National Conference on Environmental Constraints , Conservation and Resource Development of Medicinal Plants for Health & Societal Benefits, March 21-23,2014. Supported by UGC & NMPB New Delhi.
- DST SERB Summer School on "Science of Climate Change" organized during 1st June to 21st June, 2013,
- Seminar on Himalayan Ecology by Prof A N Purohit (FNA, FNSc) 9th Sept 2013
- Three days 8th Uttarakhand State Science & Technology Congress during 10-12th November, 2013.
- Workshop on Application of Remote Sensing and GIS in Water Resource Management during 4-5th June, 2014. Organized Jointly by: Uttarakhand Science Education and Research Center (USERC) and Uttarakhand Space Application Center (USAC), Dehradun.
- Workshop on Crowd Sourcing Technology and Applications in Geospatial Domain organized jointly by IIRS, Dehradun and School of Environment & Natural Resources during 15-17, September, 2014.
- Bird Watching Camp to create awareness on biodiversity among University students was organised on 15th February, 2015.
- Intergovernmental Panel on Climate Change (IPCC)'s Fifth Assessment Report (AR5) University student's interaction with the IPCC authors was organized on March 11, 2015 at Doon University, Dehradun.
- Earth Hour was celebrated on 28th March, 2015.
- An Inter School one day workshop during Earth Day on 22nd April 2015.

31. Code of ethics for research followed by the departments

As stipulated by Interanal Quality Assurance Cell (IQAC). Originality of research work alongwith goodl aboratory practices are followed and monitored

32. Student profile programme – wise:

Name of the Programme (refer to question no. 4)	Applications received	Total Selected	Selected		Drop-outs	Pass percentage (of enrolled students)	
			Male	Female		Male	Female
M.Sc. Environment & Natural Resources 2009-2011	80	38	9	29	5	75	90
M.Sc. Environment & Natural Resources 2010-2012	31	36	14	22	6	78.5	86.3
M.Sc. Environment & Natural Resources 2011-2013	93	29	13	16	2	92.3	93.75
M.Sc. Environment & Natural Resources 2012-2014	51	23	7	16	6	42.8	87.5
M.Sc. Environment & Natural Resources 2013-2015	72	22	6	16	3	83.3	87.5
M.Sc. Environment & Natural Resources 2014-2016	69	32	13	19	3	continuing	continuing
M.Sc. Environment & Natural Resources 2015-2017	115	30	10	19	1	continuing	continuing

M.Tech 2013-14	37	18	6	12	2	66.6	100
M.Tech 2014-15	40	14	8	6	1	87.5	100
M.Tech 2015-16	41	17	10	5	2	conti nuing	continui ng
Ph.D 2011	75	6	1	5	-	conti nuing	continui ng
Ph.D 2012	15	4	-	4	-	conti nuing	continui ng
Ph.D 2013	62	8	4	4	-	conti nuing	continui ng
Ph.D 2014	114	12	7	5	-	conti nuing	continui ng
Ph.D 2015	45	9	2	5	2	conti nuing	continui ng

Note: Dropout due to Employment during the program or Admission to some other place

33. Diversity of students

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Environment & Natural Resources 2009	-	82	18	-
M.Sc. Environment & Natural Resources 2010	-	67	33	-
M.Sc. Environment & Natural Resources 2011	-	27	73	-
M.Sc. Environment & Natural Resources 2012	-	52.9	41	5.8
M.Sc. Environment & Natural Resources 2013	-	52.6	47.3	-
M.Sc. Environment & Natural Resources 2014	-	37.9	62	-
M.Sc. Environment & Natural Resources 2015	-	68.9	31	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category – wise.

Batch	Name	Exam
2009-2011	Snigdha Pundir	JRF (UGC-NET)
2009-2011	Lalit Mahawar	SSC
2009-2011	Poonam Negi	UPSC

2009-2011	Vimal Singh Gusain	UPSC
2009-2011	Manisha Chauhan	UGC-NET, SET
2009-2011	Priyanka Tomar	UGC-NET
2009-2011	Anupriya Chauhan	IBPS-PO
2009-2011	Swati Semwal	IBPS

35. Student progression

Students Progression	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	NA
PG TO Ph.D.	NA
Ph.D. to Post – Doctoral	NA
Employed • Campus selection • Other than campus recruitment	 NA 40%
Entrepreneurs	NA

36. Diversity of staff

Percentage of faculty who are graduated	
Of the same university	Nil
from other universities within the State	37.5
From university from other State	62.5
From university outside the country	Nil

37. Number of faulty who were awarded M. Phil., Ph.D., D.Sc. and D.Litt. during the assessment Period

NA

38. Present details of departmental infrastructural facilities with regard to

a) Library	Central Facility
b) Internet facilities for staff and students	Wifi in Campus
c) Total number of class rooms	5
d) Class rooms with ICT facility	5
e) Students' laboratories	3
f) Research laboratories	4

39. List of doctoral, post- doctoral students and Research Associates

a) From the host institution / university
b) Form other institutions / university

Name of Programme	Year	Student Name	
		(a) Host Institution	(b) From other University
Doctoral	2011	NIL	1. Prachi Nautiyal 2. Priya Pokhriyal 3. Pooja Panwar 4. Rashmi Verma 5. Disha Punetha 6. Akshay Verma
	2012	1. Swanti Sharma 2. Sangeeta Sundriyal 3. Ms. Rashi Mishra	1. 1. Monika Rawat
	2013	1. Manisha Chauhan 2. Vineet Singh 3. Srishti Verma 4. Ashish Soni 5. Khima Nand	1.Salam Bhopen Singh 2.Rubia Zahid 3.Richa 4. Vignesh Prabhu S
	2014	1. Deepika Dimri 2. Bhawna Pandey 3. Chetan Pratap Singh 4. Amit Singh Chauhan	1. Kadam Abijeet 2. Penumetcha Narasa Raju 3. Sandeep Madhwal 4. Vandana Yadav 5. Gunjan Sharma 6. Anvita Pandey 7. Ashutosh Singh
	2015	1. Garima Nautiyal 2. Rita Gusain 3. Prashant Pandey 4. Aparajita Shankar	1. Shakuntala 2. Abhisek Kumar Singh 3. Manisha Dhawarla

40. Number of post graduate students getting financial assistance from the university.

Program	Year	No. of Students	Name of Students
M.Sc	2012-2013	01	Mr. Khima Nand
M.Sc	2013-2014	01	Mr. Khima Nand
M.Tech	2013-2014	03	Ms. Versha Rathore Ms Priyanka
M.Sc	2014-2015	1	Ms. Arjita Punetha
M.Tech	2014-2015	4	Ms. Pratibha Ms. Pooja Bhatt Ms. Versha Rathore Ms Priyanka Ms. Janhvi Tripathi
M.Sc	2015-2016	1	Ms. Arjita Punetha
M.Tech	2015-2016	3	Ms. Sandhya Maurya Ms. Janhvi Tripathi Ms. Savana Khatun
Ph.D	2015-2016	1	Ms. Shristi Verma

41. Was any need assessment exercise undertaken before the development of new programme?

(s)? if so, highlight the methodology.
Yes, the concept note for creation of Doon University as well as the Detailed Project Report (DPR) for the universities and Departments were in fact need assessment exercises by experts drawn for the purpose.
Being the Himalayan State, Environmental Science and Natural Resources need much more attention the course was found relevant for the University to produce well aware and scientifically sound Human resource to cater the todays need .
Research in Himalayas need more attention as being the fragile and sensitive ecosystem the need for good research led to PhD programme in the School.
M.Tech. in Environmental Technology was opened under UGC Innovative Programme through screening and assessment by the Expert Committee.

42. Does the department obtain feedback from

Faculty on curriculum as well as teaching- learning - evaluation ? if yes, how does the department utilize the feedback?

YES
Course curriculum and teaching-learning evaluation is done in Faculty meeting and the suggestions made are placed in the school advisory committee meeting for further discussion with the expert group. The decisions are then placed before the Academic Council for final approval and then implemented accordingly.

Students on staff, curriculum and teaching- learning evaluation and how does the Department utilize the feedback?

YES

The IQAC of the University collects and evaluates the student's feedback on regular basis at the end of each semester. They are then discussed and the suggestions are implemented accordingly.

Alumni and employers on the programmes offered and how does the department utilize the feedback?

YES

Informal feedbacks are also received from alumni and employees and feasible suggestions are taken up.

43. List the distinguished alumni of the department (maximum 10)

1. Mr. Pooran Patwal- Uttarakhand jal sansthan
2. Ms. Anupriya Chauhan, Manager, SBI
3. Ms. Poonam Negi- Asst. Commandant, Indian Armay
4. Mr. Vimal Gosain-Asst. commander CRPF
5. Mr. Lalit Mahawar- Central Govt. Auditor
6. Ms. Shilpi, EIA Consultant GRASSROOT, Noida
7. Mr. Zaidul Hussain, Research Scholar, Wildlife Institute of India
8. Mr. Abdul, ARANYAK, Guwahati
9. Mr. Amit Gupta, PRAGYA NGO,Delhi
10. Ms. Antara DasGupta, IIT Mumbai &Monass University, Australia

44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving External experts.

1. Application of Ion chromatography and Voltameter Analysis of Ion, heavy metals Transition metals in water, Air and soil" was conducted by SENR in collaboration with Uttarakhand Environment Protection & Pollution Control Board on 17th December 2009 in Doon University.
2. One day Workshop on Scientific Writing for the Research Scholar by Prof. S.P Singh, Former Vice Chancellor, HNB Garhwal University on 7th November, 2010..
3. Two days Rashtriya Yuva Vaigyanic Samelan during 6 & 7th February, 2010.
4. Three days 5th Uttarakhand State Science Congress during 10 to 12 November, 2010.
5. Three day workshop on Elementary Statistical techniques and use of statistical package in May, 2011 for the faculty and students.

6. 4 Days workshop on Ground water and water harvesting during 23-26th August, 2011.
7. Workshop on Himalayan Glaciers and Glaciations on 9th September, 2011.
8. Workshop on Mountain Group on Ecosystem and Challenges faced by Mountain People, 12 November, 2011.
9. World Wetland day in collaboration with WWF on 2nd February, 2012.
10. Earth Hour celebration for creating awareness among students on energy conservation on 31st, March, 2012.
11. 5th Uttarakhand State Science Congress, 10th -12th November, 2010, Supported by UCOST, & DST Uttarakhand.
12. Workshop on EIA organized by School of Environment & Natural Resources, on 12th June 2011. Supported by Uttarakhand Pollution Control Board.
13. Environment Day celebration 5th June, 2012.
14. A Brain storming Session on Building Sustainable Uttarakhand for tomorrow during 29-31st August, 2012.
15. One Day workshop on Effective approach to do research in Ecology & Environmental Science was organised for the researchers and students on 1st September, 2012.
16. An Interdepartmental Round Table to Mainstream gender in to Climate Change Adaptation Programmes on 27 November, 2012.
17. One day Youth Seminar on Uttarakhand on Green growth: Preparing Youth for Sustainable living jointly organised by SENR & TERI during 5 & 6th March, 2013.
18. 8th Uttarakhand State Science Congress 21-23 November 2013. Supported by UCOST.
19. DST SERB Summer School on "Science of Climate Change" organized during 1st June to 21st June, 2013,
20. Seminar on Himalayan Ecology by Prof A N Purohit (FNA, FNSc) 9th Sept 2013
21. Workshop on Application of Remote Sensing and GIS in Water Resource Management during 4-5th June, 2014. Organized Jointly by: Uttarakhand Science Education and Research Center (USERC) and Uttarakhand Space Application Center (USAC), Dehradun.
22. Workshop on Crowd Sourcing Technology and Applications in Geospatial Domain organized jointly by IIRS, Dehradun and School of Environment & Natural Resources during 15-17, September, 2014.
23. Bird Watching Camp to create awareness on biodiversity among University students was organised on 15th February, 2015.
24. Earth Hour was celebrated on 28th March, 2015.
25. An Inter School one day workshop during Earth Day on 22nd April 2015.

Invited Lectures

1. A series of special lectures on important themes of Environment & Natural Resources were delivered by eminent speakers such as Prof. A.N. Purohit, former Vice-Chancellor, HNBGU, Dr.P.S. Roy, Director, IIRS, Dr. S.P.S Kushwaha, Scientist G, IIRS, Dr. Awdesh Gangwar, CEE, Lucknow, during orientation week organized in the first week of academic session in July, 2012.
2. Dr. M.C. Porwal, Scientist F, IIRS, delivered a series of lectures on Remote Sensing & GIS in Natural Resource Mapping during September-December, 2012.
3. Prof. S.P. Singh, Former VC, HNBGU, delivered a talk on scientific writing to the Faculty & research students of SENR.
4. Dr. Prof. Peter Koles, Szent Istvan University, Hungary delivered a lecture on Environmental Technologies prospects.
5. Prof. Mahesh Kumar Singh, Szent Istvan University, Hungary delivered a lecture on Sustainable Technological solutions for environmental Problems.
6. Dr. P.K. Misra, Director, CSWCRT, delivered a talk on Soil and Water Conservation Practices in Uttarakhand Himalaya.

45. List the teaching methods adopted by the faculty for different programmes.

- Regular Classroom teaching
- Audio-visual presentation for Theory
- Case Studies
- Practical's
- Educational Tours/Industrial visits
- Internship in other organizations of repute
- Mini projects(Individual/Group based projects)

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored ?

- Monitoring Mechanism: Ensured through IQAC
- Student Faculty Committees: Each batch of students in every course has representatives for SFC and all these SFC members regularly meet with faculty members to review the activities of the Department
- Faculty Advisories: Each student is assigned with an advisor/mentor who help them shaping their career as well as to solve the problems faced by the students.

Monthly faculty meetings are organized besides this the School advisory meeting is held in the school every year for monitoring the outcomes.
The department monitors the student performance in the following ways:

- 75% attendance is mandatory
- Seminars are held in the department to make confident in delivering and use the technology

- Answer Scripts are shown to students so that they can analyze their mistakes
- Assignments and mini projects are evaluated by faculty and necessary suggestions are given
- Remedial classes are arranged for weak students

47. Highlight the participation of students and faculty in extension activities.

Students and Faculties are involved in the regular clean up drive organized by NATURE Club of School, under Swach Bharat Abhiyan, beyond that different Environmental Days such as Earth Day, Wetland Day, Ozone day are identified for different types of activities (awareness campaigns, poster making, quiz, debates).
Students also participate in Blood Donation Camps, Sports and Cultural Activities, Awareness campaigns etc.

48. Give details of "beyond syllabus scholarly activities" of the department.

Participation of students in different workshops/ seminars organised by the department and individual
faculties in different forms. Students are usually given responsibility for management of these events
and activities under active guidance of a faculty in charge. One village is adopted by the School for overall development (clean up, environmental awareness, Education etc).

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details.

NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department has good number of research Publications from faculty as well as students.
Research focussed on Water Treatment Technology , Bioenergy, Waste to Energy.
Air Quality Monitoring Station for monitoring air quality
Use of RS/GIS Softwares for application in research.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strength:

- Declared Centre for Excellence by Governor of Uttarakhand

- Highly qualified faculties with varying specialization and interest areas.
- Diversity of Students
- Syllabi of all courses up to their standard.
- Well equipped Labs with high end instruments.
- Department equipped with Wi-Fi and internet connectivity to facilitate the faculty and students.
- Collaboration with major institutions of National repute in Dehradun.

Weakness:

- Lack of funds for Laboratory and its maintenance.
- Lack of Technical staff to run high end equipments.

Opportunities:

- Development of research aptitude among students.
- To avail major grants from funding Agency
- Being Himalayan State Great Research opportunities

Challenges:

- To establish centres of excellence in emerging Environmental discipline.
- Lack of faculties on sanctioned reserved posts.
- Non-availability of development grant,

52. Future plans of the department.

To build capacities in the field of Environmental Science through degree, diploma and research programs.

- To undertake cutting edge scientific research in the emerging areas of Environmental Science.
- To undertake research on environmental issues with policy implications for the state and the country.
- To forge academic and research collaborations with well recognized institutions of national and international prominence.
- To create awareness and sensitize the stakeholders about environmental issues.

Research on key aspects:

- Regional Climate Modelling
- Watershed Management
- Renewable Energy
- Disaster management
- Solid waste management
- Ecosystem Management & Biodiversity Conservation

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Evaluative Report

School of Communication

1. Name of the Department:
School of Communication

2. Year of Establishment:
2009

3. Is the Department part of a School / Faculty of the university
No

4. Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Litt., etc)

Three programmes:

- Integrated MA in Communication (with an option to leave the programme after 06 semesters with B.A. Hons. Degree). Intake: 60 students; Admission through University Entrance Test for those with 10+2 Degree.
- M.A. in Communication – Intake: 40 students. Admission through all University Admission Test for those with a Bachelor's Degree.
- Ph.D. in Communication – Intake: 2−3 per year. Admission through University Admission Test for those with Masters Degree in Journalism/Mass Communication/Media and Communication Studies.

5. Interdisciplinary programmes and departments involved:

Media and communication programme is inherently multi-disciplinary and it derives definite impulses from other disciplines of Social Sciences/Humanities/Arts. As such, courses like *Political Economy of India, Economic Development and planning, People and Culture of India, Indian Society and Social Structure, Indian Polity etc* are offered at M.A. in Communication and B.A.(Hons) in Communication levels.

M.A. Communication students are allowed to opt for a minimum 02 credit course from other Schools of the University. The course, *Leadership* offered by the School of Management has been opted by M.A. Communication students during the session 2010-12.

The course, *Environmental Studies* being offered to Integrated M.A. Communication students is anchored by School of Environment and Natural Resource (SENR) of the University.

School of Communication courses like *Photography*, *Communication and Development* are open for students of other Schools. Students from other Schools, particularly from School of Languages have opted for *Photography* course.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: The School currently does not run any course in collaboration with other universities/institutions. But we are proactively looking for such opportunities.

7. Details of programmes discontinued, if any, with reasons:
N.A.

8. Examination System: Annual /Semester / Trimester / Choice Based Credit System: Semester

9. Participation of the department in the courses offered by other departments:
M.A. Communication students are allowed to opt for a 02 credit course from other Schools of the University. The course, *Leadership* offered by the School of Management has been opted by M.A. Communication students during the session 2010-12.

10. Number of teaching posts sanctioned, filled and actual (Professors /Associate Professors / Asst. Professors/ others) – (As on 1st December, 2015)

Teaching Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	02	–	–
Associate Professor	04	01	01
Asst. Professors	06	05	07 (01 Asst Professor on contract and 01 Guest Faculty)
Others (Visiting Professor)	–	–	01(On Contract)

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M. Phil. Students guided/ guiding

					for the last 4 years
Dr. Rajesh Kumar	Ph.D., M.J., M.A.	Assoc. Professor	Development communication and Media Studies	Teaching: 05 years 06 months; Industry/Profession -16 years 02 months	Ph.D. students (under supervision)- 05
Dr. Harsh Pati Dobhal	Ph.D., M.A.	Visiting Professor (On contract)	Media Studies	Academic- 5 years; Industry- 15 years	–
Ms. Rashi Mishra	M.Sc. in Mass Communication in Sc & Tech	Assistant Professor	Print Journalism, Science Communication	6 years 06 months	–
Shri Nitin Kumar	M.A. in Mass Communication	Assistant Professor	Electronic Media Production	6 years 06 months	–
Ms. Karuna Sharma	M.Phil., M.A. in Mass Communication	Assistant Professor	Films Studies, Development Communication	02 years 03 months	–
Ms. Juhee Prasad	M.A. in Mass Communication	Assistant Professor	Electronic Media Production	02 years 03 months	–
Ms. Aabshar Abbasi	M.A. in Mass Communication,	Assistant Professor	Journalism, Mass Comm Theory	Teaching-02 years 03 months Industry- 3	–

	M.A. Public Administration			Years	
Mukesh Devrari	M.A. in communication	Assistant Professor (On Contract)	Media Studies, Reporting	Teaching-02 Years	

12. List of senior Visiting Fellows, adjunct faculty, and emeritus professors:

- Prof Harsh Pati Dobhal, Visiting Professor (2014 onwards)
- Prof Tapas Ray, Visiting Professor (2011-12)
- Prof Pradip Chakravorty, Visiting Professor (2009-13)

13. Percentage of classes taken by temporary faculty – programme-wise information:

- M.A. in Communication: 25%
- B.A. in Communication: 30%
- Ph.D. in Communication: Nil

14. Programme –wise Student Teacher Ratio:

- M.A. in Communication: 8:1
- B.A. in Communication: 18:1
- Ph.D. in Communication: 5:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

o	**Name of Post**	**Sanctioned**	**Filled**	**Actual** (Through outsourcing)
	Programming Assistant	01	N.A.	01
	Junior Assistant	02	N.A.	01

16. Research thrust areas as recognized by major funding agencies:

Media and Society, Communication and Development (Major Research Projects sanctioned by ICSSR & UGC on topics relevant to the field, *Media and Society, Communication and Development* (details at Sr. No. 17 below).

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and Grants received Project - wise.

Sl.	Title of Project	PI/PD	Funding Agency	Duration	Total Grant
	ICT uses by the youth: Imperatives of parental intervention.	Dr. Rajesh Kumar	ICSSR	2013-2015	5.10 Lakhs
	Positioning Community radio as a communication tool for development: A study of role and relevance of community radio for participative community development in Uttarakhand.	Dr. Rajesh Kumar	UGC	2013-Contd….	2.85 Lakhs
	Uses & gratification of facebook: A survey study on the uses of social media amongst school going teenagers in the city of Dehradun.	Ms. Rashi Mishra	ICSSR	2012-2014	4.50 Lakhs

18. Inter- institutional collaborative projects and associated grants received

- **National Collaboration : Nil**
- **International collaboration : Nil**

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, ALCTIE, Etc.

o	Title of Project	PI/PD	Funding Agency	Duration	Total Grant
	ICT uses by the youth: Imperatives of parental	Dr. Rajesh	ICSSR	2013-	5.10

	intervention.	Kumar		2015	Lakhs
	Positioning Community radio as a communication tool for development: A study of role and relevance of community radio for participative community development in Uttarakhand.	Dr. Rajesh Kumar	UGC	2013-Contd….	2.85 Lakhs
	Uses & gratification of facebook: A survey study on the uses of social media amongst school going teenagers in the city of Dehradun.	Ms. Rashi Mishra	ICSSR	2012-2014	4.50 Lakhs

20. Research facility / centre with (State, National and International recognition)

Not Yet

21. Special research laboratories sponsored by / created by industry or corporate bodies:

Not applicable.

22. Publications (Faculty-wise details at the end):

- **Number of papers published in peer reviewed journals (national / international):**

  Total number: 27 (Dr. Rajesh Kumar: 15; Dr. Harsh Dobhal: 07; Ms. Rashi Mishra: 01; Mr. Nitin Kumar: 01; Ms. Karuna Sharma: 01; Mr. Mukesh Devrari: 02]

- **Chapters in Books:**

  Total numbers**:** 07 (Dr. Rajesh Kumar: 06; Ms. Rashi Mishra: 01)

- **Edited Books:**

  Total number: 06 (Dr. Harsh Dobhal)

- **Books with ISBN with details of publishers:**

  01(*In Defence of Journalists*, ISBN-81-89479-74-1 by Dr Harsh Dobhal)

- **Number listed in International Database (for e.g. Web of Science, Scopus. Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.):**

  Total number**:** 12 (Dr. Rajesh Kumar: 11; Mr. Nitin Kumar: 01)

- **Citation Index – range / average:**

  Google Scholar citation index: 07 (Dr. Rajesh Kumar)

- **SNIP:** N.A.
- **SJR**: N.A.
- **Impact Factor – range / average**:

  2.44−3.01 (For three publications by Dr Rajesh Kumar in journals, viz., *New Media and Society* (Sage), *Media Watch* (Centre for Media Studies), *Asian Journal for Research in Humanities and Social Sciences* (Asian Research Consortium)]

- **H- index**: 02 (Dr. Rajesh Kumar)

Faculty-wise details

Dr. Rajesh Kumar, Associate Professor

Journals

1. **Kumar, R.**, Thapa, D. **2015.** Social media as a catalyst for civil society movements in India: A study in Dehradun city. ***New Media and Society* 17, 1299−1316**. (Sage Publications, London, UK). Impact Factor = 2.44. Citation = 1.
2. **Kumar, R. 2012.** Rural informatics: Use of information and communication technology for rural poor-from digital divide to digital opportunities in rural India. ***Media Asia* 39, 183−190**. (AMIC, Singapore). Citations = 2.
3. **Kumar, R. 2012.** Gen 'Y' and new media: analyzing the need for parental mediation in their use. ***Media Watch* 3, 11−15**. (Centre for Media Studies, B., India). Impact Factor = 3.26.
4. **Kumar, R. 2013.** Society, media, communication and development linkages: An analysis of Anglo-Saxon Theories in the context of developing countries. ***Journal of Media and Communication Studies* 5, 25−34**. (Academic Journals, USA).
5. **Kumar, R. 2014.** Perception of youth about 'development' and 'communication for development. ***Mass Communicator* 8, 14−19**. (JIMS, India).

6. **Kumar, R. 2013.** 'Gatekeepers' of news and information today: A reality check in contemporary Indian media. ***Pragyaan: Journal of Mass Communication* 11, 01−08**. (IMS Unison University, Dehradun, India).
7. **Kumar, R. 2012.** Community development through learning community approach: Devising strategy for health promotion. ***Journal of Educational Chronicle* 3, 66−73**. (Institute of Professional Studies, Gwalior, India).
8. **Kumar, R. 2011.** Mass Media can effect socio-political changes: An analysis. ***Global Media Journal, Indian Edition (Online)***, Calcutta University. Citations = 3.
9. **Kumar, R. 2011.** Development communication: A purposive Communication with social conscience - An Indian Perspective. ***Global Media Journal (winter edition)***, Calcutta University. Citations = 1.
10. **Kumar, R. 2013.** Newspapers in the digital age: Challenges and opportunities. ***Asian Journal of Research in Social Sciences and Humanities* III, 66−70**. (Asian Research Consortium). Impact factor = 3.09.
11. **Kumar, R. 2014.** ICTs for development in South Asia with special reference to India: An analysis. ***International Journal of Development Studies* VI (II), 73−77**. (BHU, Varanasi, India).
12. **Kumar, R. 2011.** Media & Entertainment Industry in India: Rising big out of reform measures post liberalization. ***Anushilan* XXXVIII, 89−94**. (BHU, Varanasi, India).
13. **Kumar, R. 2012.** Community communication for participative development: Experiments & experiences in South Asia. ***International Journal of Communication Development* 2, 15−21**. (IP University, N. Delhi, India).
14. **Kumar, R. 2011.** Role of responsibility of media in covering terrorism issues and incidents: expectations and challenges. ***Anushilan* XXXVI, 89−92**. (BHU, Varanasi, India).
15. **Kumar, R. 2013.** Contextualizing public service broadcasting (PSB) in India. ***Amity Media & Journalism Review* 2, 79-85**. (Amity University, Lucknow, India).

Conference Proceedings

1. Mass media as a vehicle for women empowerment: A reality check. UGC sponsored **national seminar at Barreily College**, Ref: F.No. 7 – 2(41)/2010 (Sem/NCRB)
2. Media Role in Terrorism issues. UGC sponsored **national seminar at GU College**, ISBN: 978−81−7977−452−6.
3. Globalization and digital divide in South Asia: Issues, concerns and policy initiatives. Accepted for publication in **International conference held at Centre for advanced media studies**, Punjabi university, Patiala.

4. Yavao per social media ka prabhav aur upbhoktavad: E-Commerce ke vishesh sandarbh mein. Adhyatmikta, Media aur Samajik badlav. ISBN: 978-93-84572-03-7

Book Chapters

1. Media for women empowerment: Myth or reality – Analyzing the Indian mass media. pp. 244-250, **Media and Women – Emerging Perspectives**. Sunrise Publications, N. Delhi. ISBN: 978-93-80966-35-9
2. Mass Media for rural education: Organization and planning within formal and informal education. pp. 133-140, **Emerging Issues and Challenges in Education- Global and Indian perspective**. Radha Publications, N. Delhi. ISBN:978-81-7487-807-6
3. New Media in New India: Social Networking Sites and the youth, **Indian Youth in 21st Century: Issues, Challenges and Way Forward** (Accepted for publication)
4. Community Radio for participative community development in Uttarakhand: An Analysis pp. 1-10, **Green Communication and sustainable development: Prospects and challenges**. Shroff Publishers and Distributors Pvt Ltd, Mumbai. ISBN: 978-93-5213-047-4
5. **Social Media and Civil Society Actions in India, Routledge Companion to Social Media and Politics**. Publisher- Routledge, Taylor & Francis Group (An International publisher). (Under Publication)

Dr. Harsh Dobhal, Visiting Professor

Publications

1. **Dobhal, H.P. 1992.** Implications of morse report on troubled waters of narmada. ***Mainstream*** ISBN/ISSN No. 0542-1462
2. **Dobhal, H.P. 1992.** Chipko: Social background of an environmental movement. ***Mainstream*** ISBN/ISSN No. 0542-1462
3. **Dobhal, H.P. 1995.** The role of women in environmental movements of Uttarakhand. ***Women's Link*** ISBN/ISSN No. 2229-6409
4. **Dobhal, H.P. 2006.** Iran and Israel: Clash of civilisations or clash between extremists. ***Southern Initiatives: Journal of Sustainable Development*** ISBN/ISSN No. 0973-5380
5. **Dobhal, H.P. 2007.** Book Review of '13 December: The strange case of the attack on parliament. Biblio ISBN/ISSN No. 0971-8982
6. **Dobhal, H.P. 2009.** Book Review of 'West Asia and the region: defining India's role'. ***Third Frame*** ISBN/ISSN No. 0974-1542
7. **Dobhal, H.P. 2010.** Book Review of 'The State, Democracy and Anti-Terror Laws in India'. ***Contribution to Indian Sociology*** ISBN/ISSN No. Sociology 0069−9667

Books

1. *"In Defence of Journalists,"* Co-authored with Nolan Shutler and Nick Chapman, New Delhi, 2011, ISBN 81-89479-74-1.

Edited Books

1. "Writings on Human Rights, Law and Society in India: A Combat Law Anthology" (Edited)**,** New Delhi, December 2011, ISBN 978-81-89479-78-7.
2. "Manipur in the Shadow of AFSPA" (Edited), 2010, ISBN 818947966-0.
3. "Defend the Defenders: Resisting Attacks on Human Rights Activists in India" (Edited), New Delhi, July 2012, ISBN 818947982-2.
4. "Rugged Road to Justice: A Social Audit of Human Rights Commissions in India, Vol - I" Co-edited with Mathew Jacob, New Delhi, April 2012, ISBN 81-89479-83-0.
5. Rugged Road to Justice: A Social Audit of Human Rights Commissions in India, Vol - II" Co-edited with Mathew Jacob and Anupam Kishore, New Delhi, April 2013, ISBN 81-8947985-7.
6. Rugged Road to Justice: A Social Audit of Human Rights Commissions in India, Vol – III, co-edited with Mathew Jacob and Anupam Kishore, New Delhi, February 2014, ISBN 818947986-5.

Ms. Rashi Mishra

Journals

1. **Mishra, R. 2011.** Role Of Mass Media In Disaster Mitigation. ***Indian Journal of Applied Research***, I:III, **30−31** (World Wide Journals, Ahmedabad, India).

Books/Book Chapters

1. **Mishra, R. 2013.** Climate Change and Social Media: Facebook as an effective climate messenger. ***Climate Change & Himalayan Informatics*** CSIR-NISCAIR, **124-128**.

Short Film/Documentary

1. **Mishra, R**., **2015**. Director of 'Swinging Silence', Short film/Docu, **National Science Film Festival**, Vigyan Prasar, National Council of Science Museums, *synopsis and clippings of the movie published in the Vigyan Prasar book*

Other Publications

3. **Mishra, R. 2015.** Khaas Aadmi disease: A study to promote TN awareness. ***The Lucknow Conclave***, ***UCN:TLC−PP−14044*.**

Mr. Nitin Kumar

1. **Kumar, N. 2014.** New media: A new trend setter for Indian news industry. ***Pragyaan: Journal of Mass Communication*** (IMS Unison University, Dehradun, India).

Ms. Karuna Sharma

1. **Sharma, K. 2013.** Public agenda at the mercy of New Media: An analysis of Jan Lokpal Bill implementation movement. ***BHU Journal of Communication Studies*** (BHU, Varanasi, India), Refereed, ISSN: 2231-5578.

Mr. Mukesh Devrari

1. **Devrari, M., 2015**. Discourse Analysis of Newspaper Editorial on Higher Education. ***Journal of Media and Social Development***, **3(3), 104-115** (University of Mysore, India).
2. **Devrari, M. C., 2014.** Language, Discourse and ideology. ***Journal of Media and Social Development***, **3(2), 14-22** (University of Mysore, India).

23. Details of patents and income generated: Not applicable.

24. Areas of consultancy and income generated:

Production of Documentary and TV spots by Dr. Rajesh Kumar and Shri Nitin Kumar (for institutions/organizations, viz., Election Commission of India, GIZ Germany-Doon University climate change project, ILRI Nairobi India Office). Income generated: Rs 1, 13,000/- (Rs One Lakh Thirteen Thousand only).

25. Faculty selected nationally / internationally to visit other laboratories / institutions /in India And abroad :

- Dr Rajesh Kumar, invited as member of Jury for international environment film festival organized by Centre for Media Studies, N.Delhi.
- Dr Rajesh Kumar, invited for delivering key note speech in a national seminar organized by IMS Unison University, Dehradun.
- Dr Rajesh Kumar, invited for chairing a session at an international seminar organized by Deptt of Media and Communication, UPES, Dehradun.
- Dr Rajesh Kumar, invited for delivering a key note speech in annual conference organized by Public Relations Society of India (Dehradun Chapter).
- Dr Rajesh Kumar, invited for chairing a session in a national seminar sponsored by ICSSR at IP University, N.Delhi
- Shri Nitin Kumar, invited as a resource person for Graphics and Animation workshop at Invertis University, Barreily.

26. Faculty serving in

A) National committees b) International committees c) Editorial Boards d) any other (please Specify):

- Dr. Rajesh Kumar:

i. Peer reviewer for an international journal, *Social Movement Studies* published by Routledge,
ii. Member of International Association for Media and Communication Research (IAMCR);
iii. Member, editorial board of an international journal *G Quest*, published by Galgotia University.

- Dr. Harsh Dobhal
  i. Member, Press Club of India;
  ii. Reviewer of ICSSR research proposals,
  iii. Member, Reviewing Panel of Sage Publications,

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, Training programs and similar programs):

- The University and the School encourages faculty members for attending UGC, ASC, Refresher/ orientation programs, workshops, Training programs and similar programs.
- As such, 02 Assistant Professors out of 05 have completed Orientation/Refresher courses and have attended a few training/workshops as well.

28. Student projects

- **Percentage of students who have done in – house projects including inter- departmental Projects:** All students are required to complete a Research Project of 10 credits for MA in Communication Degree, thus 100%.
- **Percentage of students doing projects in collaboration with other universities / industry/ Institute:** During internship (non-credit) which is mandatory, students are required to work with some media organization for 04 weeks for MA in Communication and for 02 weeks for BA in Communication, thus 100%.

29. Awards / recognitions received at the national and international level by

- **Faculty:** Dr Rajesh Kumar, Associate Professor invited as member of Jury for International Environment Film Festival organized by Centre for Media Studies, N.Delhi.
- **Doctoral / post doctoral fellows:** Nil
- **Students**

1	Rahul Kothiyal, a 2011 pass out student of M.A. in Communication has been awarded *Ramnath Goenka Award for excellence in Journalism* (Hindi Print Media).
2	Parth Joshi, a student of Integrated M.A.in Communication received a *Certificate of Merit at* UNESCO-CEMCA

	COMMUNITY RADIO VIDEO CHALLENGE held at New Delhi, India (2014).

30. Seminars/Conferences/Workshops organized and the source of funding National/International) with details of outstanding participants, if any:

- Photography Workshop named 'IRIS' , Year- 2009. Expert- Shri Gurudas Dua, a renowned Photographer, Funding- By the University
- Workshop on "Community Radio in India", Doon University & Himgiri Zee University, Dehradun, Experts from Sri Lanka, Year- 2010. Funding- AMIC, Singapore, Himgiri Zee University and Doon University.
- A workshop on "Women journalist: Do they have enough space", Year- 2011. Funding- By the University.
- Film Appreciation Workshop, Expert- Shri Suresh Chabrai (FTII, Pune), Year-2011.

  Funding- By the University.

31. Code of ethics for research followed by the departments:

As stipulated by IQAC of the University.

32. Student profile programme – wise:

Name of the Programme (refer to question no. 4)	Applications received	Admitted		Pass percentage	
		Male	Female	Male	Female
2-Years M.A. in Communication (Batch 2009-11)	54	20	18	100%	100%
2-Years M.A. in Communication (Batch 2010-12)	42	07	17	100%	100%
2-Years M.A. in Communication (Batch 2011-13)	48	07	18	100%	100%
5-Years Integrated M.A. in Communication (Batch 2011-16)	72	09	12	100% at BA level. MA- Contd.	100% at BA level. MA- Contd.
2-Years M.A. in Communication (Batch 2012-14)	21	02	06	100%	100%
5-Years Integrated M.A. in Communication (Batch	62	15	18	100% at BA	100% at

2012-17)				level. MA-Contd.	BA level. MA-Contd.
2-Years M.A. in Communication (Batch 2013-15)	45	05	13	100%	100%
5-Years Integrated M.A. in Communication (Batch 2013-18)	71	23	16	Contd.	Contd.
2-Years M.A. in Communication (Batch 2014-16)	40	12	05	Contd.	Contd.
5-Years Integrated M.A. in Communication (Batch 2014-19)	124	33	26	Contd.	Contd.
2-Years M.A. in Communication (Batch 2015-17)	34	07	11	Contd.	Contd.
5-Years Integrated M.A. in Communication (Batch 2015-20)	154	28	31	Contd.	Contd.
Ph.D. in Communication (Batch 2014)	49	01	01	Contd.	Contd.
Ph.D. in Communication (Batch 2015)	26	02	01	Contd.	Contd.

33. Diversity of students:

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
5-Years Integrated M.A. in Communication	–	–	–	–
2-Years M.A. in Communication (Batch 2012)	–	50%	50%	–
2-Years M.A. in Communication (Batch 2013)	–	68.19%	31.81%	–
2-Years M.A. in Communication (Batch 2014)	27%	56%	17%	–
2-Years M.A. in Communication	34.62%	50%	15.38%	–

(Batch 2015)				
Ph.D. in Communication (Batch 2014)	50%	–	50%	–
Ph.D. in Communication (Batch 2015)	66.66%	–	33.34%	–

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category – wise.

- UGC−NET/JRF Qualified: 08 (including 03 JRF)
- Banking: 03
- Jobs/Placements (Pass out students of MA in Communication, as gathered trough phone call and personal contacts):

Session: 2009-11

Sl.No	Students Name	Degree	Employed with
	Shivani Pant	M.A. in Communication	Assistant Professor, Graphic Era University, Dehradun
	Neha Vatsal	M.A. in Communication	Assistant Professor, IMS University, Dehradun
	Khushboo Dua	M.A. in Communication	Assistant Professor, IMS University, Dehradun
	Mitali Punetha	M.A. in Communication	Assistant Director in a Production House, Dehradun
	Varnika Sharma	M.A. in Communication	Working with an NGO, Mandi, Himachal Pradesh
	Naveen Rawat	M.A. in Communication	Working as Sr. Account Executive, Advertising Client Services Publishing Communication, New Delhi
	Subhash Rawat	M.A. in Communication	Assistant Professor, Glocal University, Saharanpur
	Vikash Kumar	M.A. in Communication	PRO in Perfect Relations, Dehradun
	Atal Bhatt	M.A. in Communication	Film/Video Editor in Doordarshan, Dehradun
	Ankita Singh	M.A. in Communication	Assistant Producer, India News, Delhi
	Mohita Kothiyal	M.A. in Communication	Reporter, Raftar Channel, Dehradun
	Pradeep Sati	M.A. in Communication	Reporter, Tehelka, Delhi
	Danish Mirza	M.A. in Communication	Community Radio, Zee Himgiri University, Dehradun

	Sudheer Deoli	M.A. in Communication	Assistant Professor, Himgiri Zee University, Dehradun
	Bhumika Chandola	M.A. in Communication	Assistant Professor, IMS Unison University, Dehradun
	Prabha Pandey	M.A. in Communication	Producer, Network 10, Dehradun
	Sonali Sharma	M.A. in Communication	Anchor in Network 10, Dehradun
	Girja Shankar	M.A. in Communication	Asstt Professor, Graphic Era University, Dehradun
	Ashish Tiwari	M.A. in Communication	Working with Statue Art Work, Nainital
	Uday Rawat	M.A. in Communication	District IEC Officer, Chamoli Garhwal
	Shashank Tiwari	M.A. in Communication	Bank PO, Punjab & Sindh Bank, Lucknow
	Ram Krishna Pandey	M.A. in Communication	Bank PO, Indian Bank, Chennai
	Gaurav Patwal	M.A. in Communication	Information Assistant, Ministry of Information and Broadcasting, Shimla
	Vinod Singh Panwar	M.A. in Communication	Bank PO, Syndicate Bank
	Neema Negi	M.A. in Communication	As a Lecturer, Dev Sanskriti Vishwavidyalaya, Haridwar
	Apurva Thapliyal	M.A. in Communication	Development Manger, Time Coaching Institute, Dehradun
	Rachna Tripathi	M.A. in Communication	HR Department, VHB Medical Science Ltd, Rudrapur
	Aasteek Thapliyal	M.A. in Communication	Media Relations Manager, ICFAI University, Dehradun
	Pallavi Singh	M.A. in Communication	HDFC Home Loan, Branch Coordinator, Ahmedabad

Session: 2010-12

S.No	Students Name	Degree	Employed with
1	Mukesh Chandra Devrari	M.A. in Communication	Assistant Professor, Doon University, Dehradun
2	Priyankar Sharma	M.A. in Communication	Assistant Manager, Dr. Reddy Foundation, New Delhi
3	Disharth Negi	M.A. in Communication	MIS Analyst at Altisource, Bangalore

4	Rati Srivastava	M.A. in Communication	Sr. HR (Recruitment+ Business Development Manager) at Mecci Engineers Pvt Ltd, Noida
5	Rakhi Karan	M.A. in Communication	Public Relations Officer, Sterling Publisher India
6	Shaiphali Shah	M.A. in Communication	Bank PO, Grameen Bank, Rishikesh
7	Mamta Negi	M.A. in Communication	Senior Executive, Snapdeal , Product Intelligence Team, New Delhi
8	Reeti Bhatt	M.A. in Communication	PR Executive, Wipro, New Delhi
9	Trisha Bhatia	M.A. in Communication	PR Executive, Wipro, New Delhi

Session: 2011-13

S.No	Students Name	Degree	Employed with
1	Sargam Mehra	M.A. in Communication	Assistant Professor, Doon University, Dehradun
2	Mriga Maithel	M.A. in Communication	Copy Writer, Sage Publication, Dehradun
3	Barkha Mathur	M.A. in Communication	Budget Analyst, Rajasthan
4	Akanksha Jaiswal	M.A. in Communication	Event Coordinator, Headsup Entertainment, Dehradun
5	Pradeep Aagri	M.A. in Communication	Uttarakhand Secretariat, Dehradun
6	Ravindra Singh Rauthan	M.A. in Communication	Equipment In-Charge, Sky Media Limited, Mumbai
7	Sneha Joshi	M.A. in Communication	Counsellor, Akash Institute, Dehradun
8	Sneha Rawat	M.A. in Communication	Public Relations Coordinator, Sulabh International, New Delhi
9	Sanjeev Chamoli	M.A. in Communication	Web Services Executive, Falcon Solutions, Dehradun
10	Sankalp Jhildiyal	M.A. in Communication	Web Journalist, Dainik Uttarakhand, Dehradun
11	Ankita Bandooni	M.A. in Communication	Editor, Network 10, Dehradun

12	Sonali Gusain	M.A. in Communication	Summary Writer, MTM, Sahastradhara Road, Dehradun
13	Ekta Bisht	M.A. in Communication	Trainee Reporter, The Pioneer, Dehradun
14	Ipshita Chatterjee	M.A. in Communication	Content Writer, IT Combine, New Delhi
15	Priti Pande	M.A. in Communication	Outreach Manager, Avanti Fellows NGO, New Delhi
	Arunima Sharma	M.A. in Communication	Content Writer, Kunno Media, New Delhi

Session: 2012−14

S.No	Students Name	Degree	Employed with
1	Tulika Diwan	M.A. in Communication	Media Coordinator, One Up Trade, Pvt. Ltd, New Delhi
2	Ashita Dobhal	M.A. in Communication	Content Editor, Eenadu Digital, Hyderabad
3	Preeti Mishra	M.A. in Communication	Content Editor, Eenadu Digital, Hyderabad
4	Aprajita Chaudhary	M.A. in Communication	Radio Khushi, Mussoorie
5	Mahima Prasad	M.A. in Communication	Process Associate, Genpact, Gurgaon
6	Vivek Anand	M.A. in Communication	Associate Director, Akshay Singh Production House, Mumbai

35. Student progression

Students Progression	Percentage against enrolled
UG to PG	30.76%
PG to M. Phil.	–
PG TO Ph.D.	60%
Ph.D. to Post – Doctoral	–
Employed	Campus selections have not been organized so far but more than 60%

• Campus selection • Other than campus recruitment	of the pass out students of MA programme are working with different organizations.
Entrepreneurs	Info not available

36. Diversity of staff

Percentage of faculty who are graduated	
Of the same university	None
from other universities within the State	16.6%
From university from other State	83.4%
From university outside the country	None

37. Number of faulty who were awarded M. Phil., Ph.D., D.Sc. and D.Litt. during the assessment Period: Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library: A Central Library with text and reference books; National and international journals. Online access to select e- journals and database like J-Stor as well.

b) Internet facilities for staff and students: Available (Wi-Fi enabled campus).

c) Total number of class rooms: 06

d) Class rooms with ICT facility: 06

e) Students' laboratories

- Electronic Media Production Centre: The School has a state of art Electronic Media Production Centre (EMPC) having latest solid state technology being currently used by the media and communication industry. The Centre is equipped with a TV studio for multi-camera productions. Adequate number of cameras for digital still photography and High Definition Video cameras with accessories for outdoor and studio shoots are available. Other production equipments include Abode software and Final Cut Pro non-linear editing suites. Additional facilities include digital audio work stations, sound recording and editing facilities. The EMPC keeps on updating its production facility periodically to keep pace with changing technology and demands of the profession. The Centre will also have a media library housing a large collection of films, video, stock shots etc for the use of students and researchers. (Photographs at the end of the report)

- One Computer lab (being shared with School of Management).

f) Research laboratories: Not Applicable.

39. List of doctoral, post- doctoral students and Research Associates

a) From the host institution / university: 03 (Ms Garima Singh; Ms Sargam Mehra; Sh Subhash Rawat)

b) From other institutions / university: 02 (Sh Santosh Kumar Gautam; Sh Vikash Chauhan)

40. Number of post graduate students getting financial assistance from the university.

Total Number: 04 (Pandit Mahanand Dangwal, Kirti Nagar, Tehri Garhwal, Scholarship)

41. Was any need assessment exercise undertaken before the development of new programme?

(s) If so, highlight the methodology:

Both academic programmes, viz., M.A. in Communication and Integrated M.A. in Communication were launched after brainstorming sessions involving eminent scholars from different institutions of the country including professionals from Media and Communication Industry. Some of them are:

Prof. Sisir Basu, BHU, Varanasi;	Prof. Subhash Dhulia, IGNOU;
Prof. Jaishree Jethwany, IIMC;	Prof. Vinod Agrawal, the then VC of Himgiri Zee Univ,
Dr. Prakash Thapaliyal, PIB;	Ms. Jaskiran Chopra, The Pioneer etc.

42. Does the department obtain feedback from?

Yes

a) faculty on curriculum as well as teaching- learning - evaluation ? If yes, how does the Department utilize the feedback?:

Curricular aspect is discussed in School Faculty Committee/Academic Advisory Committee on regular basis. Deliberations and decisions so made are implemented.

b) Students on staff, curriculum and teaching- learning evaluation and how does the Department utilize the feedback?

Student feedback on individual courses is taken by respective faculty members and necessary further action is ensured.

IQAC of the University also seeks feedback in the given format from individual students pertaining to teaching and training of different courses and

quality of the faculty members as well. Feedback findings are duly conveyed to the School for further improvisation of teaching and training.

c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

The School consistently makes an effort to create an academia-industry interface by inviting experts from industry and profession.
Suggestions/comments of the professionals are duly taken care of while devising teaching plans for different courses.
The mechanism for Alumni involvement is being evolved.

43. List the distinguished alumni of the department (maximum 10):

Rahul Kothiyal, a 2011 pass out student has been awarded *Ramnath Goenka Award for excellence in Journalism* (Hindi Print Media).

44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving external experts.

- Photography Workshop named 'IRIS'. Expert- Shri Gurudas Dua, 2009
- Workshop on Community Radio in India, Doon University & Himgiri Zee University, Dehradun, Experts from Sri Lanka, 2010.
- A workshop on "Women journalist: Do they have enough space", 2011
- Film Appreciation Workshop, Expert- Shri Suresh Chabrai (FTII, Pune), 2011
- Special Lecture by Ms. Geeta Gairola, Director, Mahila Samakhya on "Communication for Empowerment of Women", Date: - 18/11/2010.
- Workshop on Documentary Cinematography by Mr. Anurag Singh, Eminent Cinematographer and Documentary Producer, Date: - 17/09/2010.
- Special Lecture by Shri Binod Agrawal, VC, Himgiri Zee University on 'Developmental role of Mass Media', Date: - 12/11/2010.
- A workshop on Broadcast News Production by Shri Shanker Arnimesh, Deputy Editor, Sahara News, New Delhi, Date: - 7- 9th Feb, 2011.
- Lecture cum workshop on Radio Broadcasting Techniques by Mr. Anil Bharti, All India Radio, Date: - 08/03/2001.
- Workshop on Documentary Production by film maker Shri Sudheer Gupta, Date: - 27 -30th/01/2011.
- Special lecture by Shri Rajesh Badal, Executive Director , Rajya Sabha TV on "Self regulation by News Channels", Date: - 22/01/2011.
- Brainstorming session for 5-Years Integrated M.A. Communication expert Prof. Jaishree Jethwani, IIMC, N. Delhi, Prof. Subhash Dhulia, IGNOU, N. Delhi, Dr. Abhilash Kumari, Former Professor IIMC & MCRC, N. Delhi, Dr. Prakash Thapliyal, Deputy Director, PIB, Dehradun, 2011.
- Orientation Program for Communication students: Experts- Shri Lalit Mohan, Producer, Media Centre, FEAS, MJP Rohilkhand University, Barreily; Ms. Shalini Joshi, Correspondent, BBC, Uttarakhand; Shri

Sheshmani Shukla, Chief Correspondent, Amar Ujala, Dehradun; Shri Anil Jaggi, ICT Consultant & Chairperson of Society for Environment, Wildlife Action and Awareness (SEWAA), 2011.

- "Social Media & Mass Uprisings" and on "TV News Production Technique", Experts- Shri Santosh Chaube, Associate Producer, TV Today, N. Delhi, 2011
- Seminar on "World Development Report: Gender Equality and Development outline, 2012" Expert- Dr. Jyotsana Sharma, Associate Professor, MKP PG College, Dehradun.
- "Social Media" expert Ms. Sanjukta Basu, New Delhi. 2012.
- "World Information Order: Issues and Concerns" expert Dr. Sanjay Srivastava, Associate Professor, Dept. of Political Science, BHU, Varanasi, 2012.
- Shri Shankar Arnimesh, Sr. Deputy Editor, Sahara News, N. Delhi, on 23-25/10/2013,
  Theme- "News Production & Presentation in a 24-Hours News Channel".
- Shri Manas Ranjan Muduli, Sr. Video Editor & Compositor, India News, N. Delhi on 09-12/03/2014, Theme- "Uses and production of Graphics & Animation in TV programmes and news".
- Science Communication, Expert- Shri Nimish Kapoor, Scientist 'D' & Head, Science Film Festival Division, VIGYAN PRASAR, Department of Science & Technology, Govt. of India on 21st March 2014.
- "Changing Face of Journalism in Present Scenario", Expert- Shri Vipin Baniyal, Bureau Chief, Sadhana News Channel, Dehradun, 2014
- "Possibilities in Community Radio", Expert- Shri Arjun Singh Kaintura, Station Director, Radio Khushi (a CRS), Mussoorie, 2015
- "News Production in TV and New Media" expert- Shri Ashish Tiwari, Assignment Editor, Newzstreet TV, Noida, 2015
- "Evolution and Development of Indian Constitution", Expert- Prof. Ish Mishra, Hindu College, New Delhi, 2015.
- "The War for News within the TV Newsroom", Expert- Sh Sushil Bahuguna, NDTV (a recipient of Ramnath Goenka Award), 27/11/2015.

(Photographs at the end of the report)

45. List the teaching methods adopted by the faculty for different programmes:

- ICT driven pedagogy.
- Interactive and taught-centric teaching and training.
- Individual and group assignments.
- Field Visits/ Active learning beyond class rooms.
- Workshops/special lectures by industry experts/professionals.
- Dissertation work.
- Outreach activities.

46. How does the department ensure that program objectives are constantly met and learning Outcomes are monitored?

- Constant feedback from students. A system of Student Advisor is in place. A group of 5-10 students are assigned a faculty who acts as Advisor for respective students group.
- Various issues arising during teaching and training of students are discussed in School Faculty Committee/Academic Advisory Committee meetings.
- IQAC of the University also seeks students' feedback at the end of the every semester w.r.t. teaching and training of different courses. Findings of the feedback are duly conveyed to the School for further necessary action.

47. Highlight the participation of students and faculty in extension activities:

- School of Communication has adopted a village, Dudhli, adjacent to the university campus whereby students and faculty members from the School keep on visiting at least once in a month with an objective to sensitize the villagers (youth in particular) about social, health and hygiene issues. This is being done by showing films produced by the School, Nukkad Natak performed by students, Talk with villagers and other activities with villagers.
- School of Communication has entered into an agreement with *Radio Khushi*, Mussorie (a Community Radio Station) where students of the School plan and produce a one-hour programme on issues of health, hygiene, sanitation, society and education etc.
- The School students with active support from faculty members publish a newsletter *Campus Bytes* covering different activities on campus.

(Photograph at the end of the report)

48. Give details of "beyond syllabus scholarly activities" of the department:

The School keeps on organizing special lectures and student seminars on topical issues relevant to media and communication (Details as in point no. 44 above --Photographs at the end of the report)

49. State whether the programme / department is accredited / graded by other agencies? If yes, give Details:

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or Applied:

Production of documentaries/ TV Spots for external agencies by students and faculty members of the chool (for institutions/organizations, viz., Election

Commission of India, GIZ Germany-Doon Univ climate change project, ILRI Nairobi India Office).
Moreover, students under faculty supervision have researched several problems/themes under the course, Research Project (10 Credits). Students have also planned, researched and produced TV productions under Research Project (10 Credits). Detailed listing is furnished below:

Sl.No.	Name of the Student/Scholar	Title of the Thesis/Research based Production	Supervisor	Year	Type
1	Ram Krishna Pandey	Ground Realities of MNERGA Scheme in Village Majari Mafi, Dehradun: Documentary	Dr. Pradip Chakravoty	2009-11	Applied
2	Shivani Pant	Working of the Mid-day Meal Scheme in Selected Schools in Dehradun: Documentary	Dr. Pradip Chakravoty	2009-11	Applied
3	Prabha Pandey	A Portrayal of the Nature and Content of News coverage by Regional Channels in Uttarakhand: A Research Study	Dr. Pradip Chakravoty	2009-11	Applied
4	Bhumika Chandola	The Account of Uttarakhand Andolan as Recounted by the Andolankaris: Documentary	Dr. Pradip Chakravoty	2009-11	Applied
5	Ashish Tiwari	Migration from villages to the cities in Uttarakhand: A Case study Documentary	Dr. Pradip Chakravoty	2009-11	Applied
6	Sonali Sharma	Viewership of Regional News Channels in Dehradun: A Research Study	Dr. Pradip Chakravoty	2009-11	Applied
7	Uday Singh	Traditional Medicinal Practices of the People of Dronagiri: Documentary	Dr. Pradip Chakravoty	2009-11	Applied
8	Rachna Tripathi	Uttarakhand Folk:	Dr. Pradip	2009-11	Applied

		Jagar and its Religious Values: Documentary	Chakravoty		
9	Nupur Dobhal	Crime Against Women in Dehradun and Preventive Steps: Documentary	Dr. Pradip Chakravoty	2009-11	Applied
10	Mohita Kothiyal	Life After Kargil War: Martyrs, Physically Challenged and Soldiers: Documentary	Dr. Pradip Chakravoty	2009-11	Applied
11	Pradip Sati	The Dilemma Over Permanent Capital of Uttarakhand: A Documentary	Dr. Pradip Chakravoty	2009-11	Applied
12	Rahul Kotiyal	The Real Victims of Tehri Dam: Documentary	Dr. Pradip Chakravoty	2009-11	Applied
13	Girija Shankar Semuwal	Appeals in Television Commercials of Western Fast Food Companies in India: A Research Study	Dr. Pradip Chakravoty	2009-11	Applied
14	Shashank Tiwari	Development issues and events covered in local and national magazines: A comparative study	Dr.Rajesh Kumar	2009-11	Applied
15	Sudheer Deoli	The status of employment in Uttarakhand after the inception of small dams: A Scenario Analysis	Dr. Rajesh Kumar	2009-11	Applied
16	Vinod Singh Panwar	Handicraft Industry: A Vehicle of Development in Uttarakhand	Dr. Rajesh Kumar	2009-11	Applied
17	Pallavi Singh	'Song of Life' (A Documentary on JAGAR singing by women) A Documentary	Shri Nitin Kumar	2009-11	Applied
18	Ankita Singh	'Land of the God: Haridwar'-- A Documentary	Shri Nitin Kumar	2009-11	Applied

19	Md. Danish	'Abhi Rang Bharne Hai'-- A Documentary	Shri Nitin Kumar	2009-11	Applied
20	Atal Bhatt	'9 'O' Clock' – A Fiction	Shri Nitin Kumar	2009-11	Applied
21	Subhash Rawat	Empowerment of Adolescent Girls	Shri Atul Gupta	2009-11	Applied
22	Mitali Punetha	Review of an NGO working with JICA	Shri Atul Gupta	2009-11	Applied
23	Khushboo Dua	Jhandeji – The birth of Dehradun	Shri Atul Gupta	2009-11	Applied
24	Varnika Sharma	Role of Public Relations in an NGO (Case Study: Bharat Swabhiman campaign of Patanjali Yogpeeth)	Ms. Jaskiran Chopra	2009-11	Applied
25	Aasteek Thapliyal	Outsourcing in Corporate Communication	Ms. Jaskiran Chopra	2009-11	Applied
26	Piyashi Himani	Event Management as a Public Relations tool	Ms. Jaskiran Chopra	2009-11	Applied
27	Vikash Kumar	Campaign Planning (Public Information Campaigns of Government of India)	Ms. Jaskiran Chopra	2009-11	Applied
28	Neha Vatsal	Public Relations Planning and Campaigning	Ms. Jaskiran Chopra	2009-11	Applied
29	Apurva Thapliyal	Role of Advertising in Brand Promotion by PR	Ms. Jaskiran Chopra	2009-11	Applied
30	Naurin Khan	Crisis Management in PR	Ms. Jaskiran Chopra	2009-11	Applied
31	Gaurav Patwal	Role of New Media in Brand Positioning	Ms. Jaskiran Chopra	2009-11	Applied
32	Priyankar Sharma	The Role of New Media in Brand Positioning / Organizational Awareness.	Jaskiran Chopra	2010-12	Applied
33	Garima Singh	"Heard but still unheard"- A documentary on Lakhamandal	Nitin Kumar	2010-12	Applied

		temple.			
34	Abhilasha Pant	Managing Public Relations for Celebrities.	Jaskiran Chopra	2010-12	Applied
35	Md Mustaqueem	"Buddha's 80 years – a story on Buddha's life & history": A documentary.	Nitin Kumar	2010-12	Applied
36	Ayushi Sharma	Relationship between Event Management and Public Relations.	Jaskiran Chopra	2010-12	Applied
37	Sweta Bhatt	Growing importance of Public Relations for Celebrities.	Jaskiran Chopra	2010-12	Applied
38	Toyeba Mushtaq	"Lifeless Lifelines" – a documentary on Rispana and Bindal rivers.	Nitin Kumar	2010-12	Applied
39	Poorva Gairola	An Advertisement Campaign for Bajaj Four Wheeler Auto Richkshaw RE-60.	Shri Ashish Kulshrestha	2010-12	Applied
40	Jasmine Ghildiyal	Role of Event Management in Public Relations.	Jaskiran Chopra	2010-12	Applied
41	Vaibhav Sharam	A study of Public Relations- Media relationship	Jaskiran Chopra	2010-12	Applied
42	Rakhi Karan	Role of Public Relations in Business Development.	Jaskiran Chopra	2010-12	Applied
43	Rati Srivastava	Use of Digital Technology in Public Relations.	Jaskiran Chopra	2010-12	Applied
44	Pradeep Aswal	Tapkeswar Temple – a holy place: A Documentary.	Nitin Kumar	2010-12	Applied
45	Abhilash Malguri	"Awaker" - A Documentary on an NGO, HESCO.	Kumar	2010-12	Applied
46	Garima Pathak	Public Relations and Management of Events.	Jaskiran Chopra	2010-12	Applied
47	Mukesh Chandra Devrari	Lacanian Analysis of Anurag	Dr. Tapas Ray	2010-12	Applied

		Kashyap's Seminal Work Dev D.			
48	Trisha Bhatia	Importance of Special Events Public Relations.	Jaskiran Chopra	2010-12	Applied
49	Shaiphali Shah	An Analysis of the Development Programmes and IEC campaigns of Uttarakhand Govt during the period 2005-11.	Dr. Rajesh Kumar	2010-12	Applied
50	Ruchika Gurung	'Emptiness' in Films.	Dr. Tapas Ray	2010-12	Applied
51	Reeti Bhatt	An Analysis of Public Relations in the context of Media.	Jaskiran Chopra	2010-12	Applied
52	Kanika Wadhwa	Event Management as a Public Relations Function.	Jaskiran Chopra	2010-12	Applied
53	Mamta Negi	Documentary on "Yoga Tourism" in Uttarakhand.	Shri Shiv Prasad Joshi	2010-12	Applied
54	Disharth Negi	Documentary on "Rishikesh: A Tourist Destination".	Nitin Kumar	2010-12	Applied
55	Akriti	Promotional Campaign for "Radio Khushi".	Shri Ashish Kulshrestha	2010-12	Applied
56	Saurabh Negi	Rise in the Consumption of Images Over Text: Process and Effects.	Dr. Tapas Ray	2011-13	Applied
57	Mriga Maithel	The Life and Lies of Advertising (with special reference to India).	JaskiranChopra	2011-13	Applied
58	Sargam Mehra	The Idea and Portrayal of Romance with Emphasis on Feminism in Films of Yash Chopra – A Case Study of Films Silsila and Lamhe.	Dr. Tapas Ray	2011-13	Applied
59	Arunima Sharma	Misogyny and Rap.	Dr. Rajesh Kumar	2011-13	Applied

60	Barkha Mathur	Health Communication in the Globalized Sphere: A Literature Review on the Role of Global Media in Communicating Health.	Dr. Rajesh Kumar	2011-13	Applied
61	Akanksha Dhawan	The Impact of Advertising and Public Relations in Integrated Marketing Communication.	Jaskiran Chopra	2011-13	Applied
62	Ipshita Chatterjee	Storytelling as a New Creative Way in Advertising.	Jaskiran Chopra	2011-13	Applied
63	Akanksha Jaiswal	Role of PR for Celebrities.	Jaskiran Chopra	2011-13	Applied
64	Garima Bisht	Child Labour: Dhundhala Bachpan (Ujale se andhre ki oar)	Dr. Rajesh Kumar	2011-13	Applied
65	Pradeep Aagri	Indian Heritage Brands.	Jaskiran Chopra	2011-13	Applied
66	Nitin Singh	Celebrity Endorsement and ITS Impact on Brand Awareness/Building.	Jaskiran Chopra	2011-13	Applied
67	Ravindra Singh Rauthan	Cricket is no Career in Uttarakhnad (Cricket: Pahad mein khiladi hehn, khel nahin).	Shri Shiv Prasad Joshi	2011-13	Applied
68	Prachi Jain	"Jainism"- Different Ways But Same Faith.	Dr. Rajesh Kumar	2011-13	Applied
69	Priti Pande	Portrayal of Indo-American Relations in Cinema: Focusing on Subhash Ghai's Movie Pardes.	Dr. Rajesh Kumar	2011-13	Applied
70	Isna Zaheer	Hindustani Madarsey -"Aaj Ki Zarurat".	Dr. Rajesh Kumar	2011-13	Applied
71	Sneha Joshi	Celebrity Endorsement.	Ms. Jaskiran	2011-13	Applied

			Chopra		
72	Sankalp Jhaldiyal	Missing Basmati of Doon.	Dr. Rajesh Kumar	2011-13	Applied
73	Ankita Bandooni	Ab Gaon ki Oar (A New Hope).	Dr. Rajesh Kumar	2011-13	Applied
74	Sneha Rawat	Role of Slogans or Jingles in Advertisement.	Ms. Jaskiran Chopra	2011-13	Applied
75	Sonali Gusain	Online Advertisement.	Ms. Jaskiran Chopra	2011-13	Applied
76	Sanjeev Chamoli	Maddians (Making A Difference).	Dr. Rajesh Kumar	2011-13	Applied
77	Shivendra Singh Negi	A Study on the Garhwali Language getting Extinct.	Dr. Rajesh Kumar	2011-13	Applied
78	Tinaa Sharma	Research Topic "Heritage Brand Advertising".	Ms. Jaskiran Chopra	2011-13	Applied
79	Deepshikha Negi	Use of Emotions in Indian Advertising.	Ms. Jaskiran Chopra	2011-13	Applied
80	Ekta Bisht	Depiction of Children in Advertisement.	Ms. Jaskiran Chopra	2011-13	Applied
81	Tulika Diwan	"Psychological effect of color usage in advertisement across various media"	Ms. Jaskiran Chopra	2012-14	Applied
82	Aprajita Chaudhary	"Celebrity Endorsement"	Ms. Jaskiran Chopra	2012-14	Applied
83	Mahima Prasad	Use of Slogans and Jingles in Advertisement	Ms. Jaskiran Chopra	2012-14	Applied
84	Preeti Bharti	"Yamuna Ka Astitva"	Dr. Rajesh Kumar	2012-14	Applied
85	Vivek Anand	"Sukh"	Dr. Rajesh Kumar	2012-14	Applied
86	Surbhi Gaur	Influence and Impact of Advertising on Children	Ms. Jaskiran Chopra	2013-15	Applied
87	Aditi Uniyal	Role of Women in Environment Movements of Uttarakhand	Dr. Harsh Dobhal	2013-15	Applied
88	Nitika Bhardwaj	Commercialization	Dr. Harsh	2013-15	Applied

		of Education in Schools of Dehradun	Dobhal		
89	Diksha Uniyal	Developing Communication Strategies to Mitigate Human Wildlife Conflict Human Wildlife Conflict in Sher Jung National Park, District Sirmur, Himanchal Pradesh	Shri Devam Thapa	2013-15	Applied
90	Shubhangi Gorantla	Developing Communication Strategies to Promote Responsible Tourism in Sher Jung National Park	Shri Devam Thapa	2013-15	Applied
91	Aditi Khanduri	Identifying the Linkages between New Media Exposure and its Impact on the Academic Score of Teenagers	Shri Devam Thapa	2013-15	Applied
92	Kamini Gupta	Growing Influence of Film Industry on Advertising	Ms. Jaskiran Chopra	2013-15	Applied
93	Prerna Jakhmola	Research Report on Effectiveness of Online Advertisement	Ms. Jaskiran Chopra	2013-15	Applied
94	Abhishek Chakraborty	Impact of Communication of Women in Advertisement, on the Youth	Ms. Jaskiran Chopra	2013-15	Applied
95	Damodar Pushpanjali	Gender Discrimination in the Practice of Public Relations	Ms. Jaskiran Chopra	2013-15	Applied
96	Nida Ali	Gender Identity in Advertising: AN Analysis of Television Commercials	Ms. Jaskiran Chopra	2013-15	Applied
97	Neha Singhal	Role of Advertising	Ms.	2013-15	Applied

		in Creating Social Awareness	Jaskiran Chopra		
98	Shivani Baurai	Psychology & Public Relations	Ms. Jaskiran Chopra	2013-15	Applied
99	Omanshu Saini	Rajpur village: A Heritage	Dr. Rajesh Kumar	2013-15	Applied
100	Mohammad Aadil Lone	Escape To Paradise – A documentary on Kashmir.	Dr. Rajesh Kumar	2013-15	Applied
101	Lal Shubham Singh	I'm 'She' – A documentary on working women.	Dr. Rajesh Kumar	2013-15	Applied
102	Soumya Rastogi	"Few Tears" – A docu-drama on use of sanitary napkins.	Dr. Rajesh Kumar	2013-15	Applied
103	Himalaya Karan	Digi Drug – A documentary on Internet addiction.	Dr. Rajesh Kumar	2013-15	Applied

51. Detail any five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strength

1. Qualified faculty with academic and industry experience.
2. Active and interactive teaching and training.
3. State of art Electronic Media Production Centre.
4. UG programme is drawing good talent from strong schooling system at Doon.

Weakness

1. Vacant faculty positions.
2. Fund crunch

Opportunity

1. Potential for good research.
2. A School with very good training facility (State of art equipments; faculty with industry experience), thus can give efficient and employable media professionals.

Challenge

1. Funds availability for School.
2. Creating Industry-Academia interface.
3. To tap students/retain students who are interested in research.

52. Future plans of the department.

1. Establishment of a Community/Campus Radio Station.
2. Launching some innovative programme (for e.g., PG Diploma in Health Communication).
3. Developing a School library and Production Archives.
4. Establishment of a fully equipped sectionalized studio for television production

Evaluative Report

School of Management

1. Name of the Department:
School of Management.

2. Year of establishment:
July 2010

3. Is the School part of a School/Faculty of the university?
Yes, Doon University

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
The School currently offers three programmes as below.

***a) MBA -Two Years*:**	Intake Capacity: 60 Eligibility for Admission: Valid MAT Score, Group Discussion and Personal Interview.
***b) IMBA -Five Years Integrated*:**	Intake Capacity: 50 Eligibility for Admission: through University Entrance after a 10+2 Degree from any recognized Board.
***c) PhD in Management*:**	Intake Capacity: 08 Eligibility for Admission: through University Entrance after a Master's Degree from any recognized University

5. Interdisciplinary programmes and departments involved

At the current juncture, no academic discipline can remain truly isolated from other disciplines. All the programmes being run by the School of Management are no exception. It is beneficial not only in terms of creating a conducive knowledge sharing and learning ambience, but it also helps the School to pull resources from other departments. Some elements of such inter disciplinary nature of the programmes and courses are as below.

Operations Research, Statistics and Computers: Management curriculum contains a significant coverage of quantitative techniques that require skills in Operations Research, Statistics and Computation. Therefore, it becomes necessary for the School to rely on experts with these background both from other schools of the University as well as from outside the university.

Environmental Science: As per the mandate of the Supreme Court, all academic disciplines need to run courses in environmental studies. The faculty from School of Environment and Natural Resources (SENR) is engaged to take the on Environmental Studies.

Foreign Languages: Given the value addition with knowledge of foreign languages, students often take courses in foreign languages either in the School of Languages or the faculties from SOL are invited to take lectures in the School.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

We currently do not run any course in collaboration with other universities and institutions. But we are proactively looking for such opportunities.

7. Details of programmes discontinued, if any, with reasons:

No programme is discontinued so far.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester system

9. Participation of the School in the courses offered by other departments

Students can opt for courses from other School as zero credit courses. Faculties of the departments are occasionally involved in teaching specific courses run by other Departments. A list of such courses and Schools involved are as below.

Course Title	Operating Department
Leadership	School of Communication
International Trade	School of Social Sciences
Fundamentals of Computer	School of Social Sciences

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	2	–	–
Associate Professors	4	1	–
Asst. Professors	6	3	2
Others	–	–	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PH.D./M.Phil. students guided for the last 4 years
Dr. Gajendra Singh	PhD	Associate Professor	Marketing Research	15 Years	PhD Scholars: 3 (ongoing)
Shri Shiv Kumar Dadar	NET, MBA	Associate Professor (Visiting)	Marketing Management	15 Years	–
Dr. Sudhanshu Joshi	PhD	Assist. Prof.	Operations and Supply Chain Management & Technology Management	10 Years	PhD Scholars: 4 (ongoing)
Dr. Ashish Sinha	PhD	Assist. Prof.	Human Resource Management	14 Years	PhD Scholars: 5(ongoing)
Dr. Prachi Pathak	PhD	Assist. Prof.	Human Resource Management and Org Management	14 Years	PhD Scholars: 3(ongoing)
Nishant Kumar	B.Tech, MBA	Assist. Prof. (on contract)	Operation Research & Marketing Reserach	6 Years	None
Bhaskar Chimwal	MBA,NET	Assist. Prof. (on contract)	Working Capital Management	2 Years	None
Megha Batola	MBA	Assistant Professor (on contract)	Accountacy, Financial Management	2 Years	None
Karan Negi	MBA	Assistant Professor (on contract)		2 Years	None

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors (including present and past associations)

Sl. No.	List of senior Visiting Fellows, adjunct faculty, emeritus professors
1.	Prof. V.P.S Arora, Ex- Vice Chancellor, Kumaun University
2.	Prof.D. Jagganathan, Visiting Professor
3.	Prof. J.P. Singh, DoMS, IIT Roorkee
4.	Prof. G.S. Batra, Punjabi University, Patiala
5.	Prof. S.K. Chaddha, Chairman, UBS, Punjab University
6.	Prof. D.P. Goyal , Area Chair, Information Systems, MDI
7.	Prof. S.S. Khanka, Professor, National Institute of Financial Management.
8.	Dr. Shailendra Singh, ISU University, Taiwan
9.	Prof. P.C. Kavidayal, Professor, Kumaun University
10.	Prof. V.K. Singh, Professor, Gurukul Kangri University
11	Dr. Vimal Pant, Associate Professor, National Institute of Food Technology & Management, Haryana

12. Percentage of classes taken by temporary faculty – programme-wise information

13.

MBA-Two Years (Two Years)	IMBA Five Years Integrated	PhD in Management
60 % (Approximate)	70% (Approximate)	10-20 % (Approximate)

14. Programme-wise Student Teacher Ratio

MBA-Two Years (Two Years)	IMBA Five Years Integrated	PhD in Management
7:1	24:1	2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual (including CAS & MPS)
Academic support staff (technical)	1		
Administrative staff	1		1

16. Research thrust areas as recognized by major funding agencies

Research Thrust Areas	Funding Agencies
Capacity Building Programme on Research Methodology	ICSSR, Government of Uttarakhand

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. 03

1. **i). Completed Projects:**

Sl. No.	Title of Project	PI/ CO-PI	Funding Agency	Duration	Outlay Lacs	Man-power
1.	Measuring Advertising Effectiveness through Consumer Attitude, Retention & Psychographic profile in FMCG products.	Dr. Gajendra Singh	AICTE	3 Years	9,98,000	01
2.	The Cultural Influence on Woman Entrepreneurial Development in Small and Medium Scale Enterprises in Uttarakhand.	Dr. Gajendra Singh	UGC	2 Years	4,79,450	01
3.	Managerial Policies and	Dr.	UGC			

	Practices in Small and Medium scale industries in the state of Uttarakhand.	Gajendra Singh		2 Years	3,85,000	NIL
4.	Business Excellence in Indian Manufacturing Organization: Cultural typology and strategies for culture augmentation.	Dr. Ashish Sinha	UGC	2 Years	5,60,000	02
5.	Value Chain Proposition and Market Positioning of Handicraft products: practices, sustainability issues and its influence on Tourism driven economy of Uttarakhand.	Dr. Sudhanshu Joshi	Directorate of Industries (DIC), Government of Uttarakhand	03 Months	50,000	01
6.	Sustainable Supply Chain Management Capabilities of Small and Micro Business in Uttarakhand: Influence, Practices, Training Needs and Employment Opportunities- Multiple Case Study.	Dr. Sudhanshu Joshi	The National Institute for Entrepreneurship and Small Business Development (NIESBUD), Ministry of Skill Development and Entrepreneur-ship, **Government of India.**	03 Months	NIL	NIL

6. List of Ongoing projects with full details

Ongoing Projects:

Sl. No.	Title of Project	PI/ CO-PI	Funding Agency	Duration	Outlay Lacs	Man-power
1.	Efficacy of Tourism Supply Chain Management in Uttarakhand: An Analytical Study on its performance and Sustainability.	Dr. Sudhanshu Joshi	University Grant Commission (UGC).	03 Years	11,26,400	01
2.	An Empirical Study on Banking Transformation through e-Services-Emerging issues and potential strategies.	Dr. Sudhanshu Joshi	Indian Council for Social Science Research (ICSSR).	1	2,00,000	01
3	Vulnerability Assessment for Small Businesses and Enterprises in Kullu District, Himachal Pradesh.	Dr. Gajendra Singh	Swiss Agency for Development and Cooperation, Embassy of Switzerland, New Delhi	1 Years	9,52,600	01
4.	Managerial Policies and Practices in Small and Medium scale industries in the state of Uttarakhand.	Dr. Gajendra Singh	UGC	2 Years	3,85,000	
	Business Excellence in	Dr. Ashish	UGC			

5.	Indian Manufacturing Organization: Cultural typology and strategies for culture augmentation.	Sinha		2 Years	5,60,000	
6.	Business Excellence in Indian Manufacturing Organization: Cultural typology and strategies for culture augmentation.	Dr. Ashish Sinha	UGC	2 Years	5,60,000	

18. Inter-institutional collaborative projects and associated grants received : nil

- **National collaboration** :
- **International collaboration** :

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sl. No.	Title of the Grant Project/Consultancy	Nature of Grant	PI/Co-PI/ Convener	Sponsoring Agency	Grant Received/Mobilised
1	Capacity Building Programme funded by ICSSR.	Capacity Building Programme	Dr.Gajendra Singh and Dr.Prachi Pathak	ICSSR	9.4 lakhs
2	Two Decades of Economic Liberalisation	National Seminar/ Conference	Prof.D. Jagannathan	GIZ/ ICSSR	5 lakhs

20. Research facility/centre with/State recognition/National recognition/International recognition

Environmental Accounting/Environmental Management, Development Management Recognised by the Government of Uttarakhand

21. Special research laboratories sponsored by/created by industry or corporate bodies

Not Applicable

22. Publications:
(Last Five Years)

Number of Papers Published in peer reviewed journals (National/International)	: 87
Chapters in Books	: 4
Edited books with ISBN:	: 2
Number listed in International Database (e.g. Web of Science, Scopus, DARE database, EBSCO host etc.)	: 10
Citations	: 30 (Google Scholar Since 2010)
H-Index	: 2 (Google Scholar)
i-10 Index	: NIL

23. Details of patents and income generated:
Not Applicable.

24. Areas of consultancy and income generated:
NIL (Please see **item 7 of Section 19** for more details)

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

●College of Legenda Negeri, Malaysia, Graduate School of Management-St.

●Petersburg University of Russia, School of Management, Ho-Chi-Min-City University, Vietnam.

●University Business School, Punjab University, Chandigarh.

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Dr. Gajendra Singh: Editor in 1. GUMBAD Business Review; 2. Management Vision; 3. 4D International Journal of Management & Science

Dr. Ashish Sinha: ReviewerIn Vikalpa and Decision, IIM Calcutta

Dr. Sudhanshu Joshi:

S. No.	Name of Journal	ISSN/ISBN	Editorial Board Member/ Reviewer
1.	Asia Pacific Journal of Business Administration	[ISSN: 1757-4323] –Scopus listed	(Reviewer)
2.	Journal of Management Development	[ISSN: 0262-1711] Scopus Listed	(Reviewer)-
3.	Disaster Prevention and Management -	ISSN 0965-3562. [Scopus Listed]	(Reviewer)
4.	International Journal of Information Systems and Supply Chain Management	[ISSN- 935-5726] [Scopus Listed]	(Reviewer)
5.	Transaction Corporations Review	[ISSN- 918-6444]	(Guest Editor)
6.	Transaction Corporations Review	[ISSN- 918-6444]	(Reviewer)
7.	Elixir –International Journal -	ISSN 2229-712X	(Editorial Advisory Board Member)
8.	International Journal of Advances in Engineering and Technology	[ISSN – 2231-1963]	(Editorial Advisory Board Member)
9.	iScholar (Editorial Board Member)		
10.	International Research Journal of Innovative Engineering	[ISSN 2395-0560]	(Editorial Board Member)
11.	International Journal of Advanced Research in Engineering Technology and Science	[ISSN 2350-0328	(Editorial Board Member)
12.	International Journal of Engineering Research & Management Technology	[ISSN 2348-4039]	(Editorial Board Member)
13.	Indianjournals. com	ISSN : 2321-1784	Associate Editor
14	IICMR Journal (Editorial Board Member) - ISSN		

	0975-2757		
15	Zenith International Journal of Multidisciplinary Research	ISSN 2231-5780	Editorial Board Member
16	Cultural and Technological Influences on Global Business , IGI Global USA	(ISBN No. 9781466639669	Editorial Board Member
17	Scientific Journals International	(ISSN 1556-6757)	[Reviewer]
18	International Journal of Applied Research	(ISSN – 2249-555X)	[Editorial Advisory Board]
19	IEEE Explore First National Conference on Networks and Soft Computing Proceedings	[ISBN978-1-4799-3485-0]	Reviewer/ Technical Program Committee Member
20	Journal of Applied Management Research	(ISSN 2319-1228)	[Reviewer Board Member]

27. Faculty recharging strategies (UGC, ASC, at Refresher / orientation programs, workshops, training programs and similar programs).

Dr Ashish Sinha: Orientation Course From Academic Staff College (ASC), Banaras Hindu University, September, 2013

Dr Sudhanshu Joshi: Orientation Course from Academic Staff College (ASC), Kumaon University, 22 Sep 2013 - 20 Oct 2013

Dr Prachi Pathak: Orientation Course from Academic Staff College (ASC), Kumaon University

28. Student projects:

All students at PG level are undertaking a research work in partial fulfillment of their Master's degree.

Percentage of students who have done in-house projects including inter-departmental projects

100 Percent

Percentage of students doing projects in collaboration with other universities / industry / institute

90% projects are industry based and hence done in collaboration with Industry.

29. Awards/recognitions received at the national and international level by

NIL

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

1. A Seminar was jointly organised by School of Management and School of Management Doon University on ***India: Two Decades of Economic Liberalisation-Growth and Governance*** on 18-19 November, 2011 at Doon University sponsored by ICSSR, New Delhi and supported by GIZ, Germany.

   Source of funding: Major funding sources were ICSSR and GIZ and other small agencies.

   Outstanding participants:

   Lead Speakers: Prof T. S. Papola (Institute for Studies in Industrial Development, New Delhi), Prof. R. S Tolia (Former Chief Information Commissioner), Prof S.P. Singh (FNA, Former VC, Advisor, State Planning Commission, Govt. Of Uttarakhand), Dr. S. Farooq (President, Himalaya Drug Company), Mr. Pankaj Gupta (Industries Association of Uttarakhand), Dr. B.K. Joshi (Former VC, Kumaun University), Prof P.K. Chaubey (IIPA, New Delhi), Dr. Alok Pandey (Director, ICWA), Prayag Singh Rawat and Himanshu Joshi (RBI, Mumbai), Prof, Sripad Motiram (IGIDR)

2. National Conference on Sustainable Supply Chain among MSMEs (MSME Conclave 2015) on 10th May, 2014.

31. Code of ethics for research followed by the departments

As stipulated by the Internal Quality Assurance Cell.

32. Student profile programme-wise:

Name of Programme MBA	Applications Received	Selected		Pass Percentage	
		Male	Female	Male	Female
2010	120	26	14	100	100
2011	160	23	17	100	100
2012	65	21	19	100	100
2013	84	31	27	100	100
2014	105	30	29	100	100
2015					

Name of Programme IMBA	Applications Received	Selected		Pass Percentage
		Male	Female	
2013	86	18	20	Continuing
2014	153	33	20	Continuing
2015	112			Continuing
Name of Programme PhD	**Applications Received**	**Selected**		**Pass Percentage**
		Male	**Female**	
2013	72	1	4	Continuing
2014	153	2	3	Continuing
2015	112			Continuing

33. Diversity of Students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBA	NA	50	50	0
IMBA	NA	50	50	0
Ph.D.	5%	45	50	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Defence Services: 03
NET : 05
SET (USET): NA
Banking: 06
UPSC: 01
Other competitive exam: 3

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NIL
PG to M.Phil.	NA
PG to Ph.D.	02
Ph.D. to Post-Doctoral	N/A
Employed ●Campus selection ●Other than campus recruitment	**Campus Selection: NIL** **Other than Campus Selection:** 80% 20%
Entrepreneurs	02#

Further, The Entrepreneurship and Sill Development Cell of the University was constituted in the year 2015 and it is taking active interest to encourage, promote and support students of the School to undertake entrepreneurship activities as career options)

36. Diversity of staff

Percentage of current faculty members who are graduates	
of the same university	0
from other universities within the State	50%
from universities from other States from	50%
universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

NIL

38. Present details of departmental infrastructural facilities with regard to

a) Library

Central Library with access to e-resources such as Inflibnet, J-Stor and several e-journals.
Development of a departmental library for research scholars is in the pipeline.

b) Internet facilities for staff and students

The campus is wi-fi enabled.

c) Total number of class rooms

Four

d) Class rooms with ICT facility

All classrooms are equipped with ICT facility.

e) Students' laboratories

A computer lab with 30 terminals and relevant software is available.

f) Research laboratories

Not Applicable as no courses in experimental Management are currently being carried out in the university.

39. List of doctoral, post-doctoral students and Research Associates

Names of Students working for the Ph.D. program-

- Ms. Nazia Qureshi
- Ms. Tanuja Gaur Tomar
- Ms. Gaganjot

- Mr. Manjib Bhuyan
- Mr. Rahul Singhal
- Ms. Deepansha Gautam
- Mr. Krishan Singh Rautela
- Ms. Kiran Negi
- Ms. Shalini Srivastava
- Mr. Anurag Kushwaha
- Mr. Gaurav Tiwari
- Ms. Ankita Bajpai
- Ms. Gunjan Tripathi
- Ms. Preeti Rana
- Ms. Priya Saini
- Mr. Rahul Verma
- Mr. Gaurabh Srivastav

40. Number of post graduate students getting financial assistance from the university.

01

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

School Advisory Committee was held for brainstorming of IMBA programme. Eminent experts fromed the advisory panel.
Advisory Panel constituted:

- Prof. J.P. Singh, Professor, DoMS, IIT Roorkee
- Prof. G.S Batra, Professor, PSMS, Punjabi University
- Prof. D.P. Goyal, Professor, MDI Gurgaon

42. Does the School obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the School utilize the feedback?

All faculty members through their participation in the Staff meetings of School , Academic Advisory Board (in which all the faculty members and some external members nominated by the Vice Chancellor are members), Representation to IQAC as well as representation in the Academic Council do provide regular feedbacks on the curriculum as well as teaching learning evaluation. School follows the instructions and the decisions of the AC and submits action taken reports before each AC meeting.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the School utilize the feedback?

IQAC of the university through its formal feedback system undertakes feedback surveys on all the courses undertaken by the School. The survey also

contains questions on quality of teaching and the performance of the faculty members associated with the course. IQAC as well as the office of the Vice Chancellor suggests specific instructions to relevant faculty member based on the results of the survey.

c. Alumni and employers on the programmes offered and how does the School utilize the feedback?

Although the number of alumni of the School is small given that only a few students have passed out from the School, there is a provision of alumni feedback system run through the Alumni Cell of the University. The School also undertakes several efforts to reach out to parents of the students to seek their feedback and report the progress of the department. While these meetings with parents create a lot of enthusiasm among parents, it also attracts some media attention about the School efforts to ensure transparency, accountability and participation (TAP)

43. List the distinguished alumni of the School (maximum 10)

Sl	Name	Admission Batch	Distinction and Current Engagement
1	Harish Pandey	2010	Airel Ltd.
2	Bhawana Srivastva	2010	BHEL
3	Shivam Dagur	2010	PHD Chamber of Commerce
4	Sumit Panwar	2010	Indian Overseas Bank
5	Rahul Tyagi	2010	UPSC
6	Ankit Agarwal	2010	BHEL
7	Mohit Chaudhary	2010	Indian Navy
8	Tahzeb Khan	2011	Indian Navy

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Special Lectures:

Sl. No.	Name
1	Prof. V.P.S Arora, Ex- Vice Chancellor, Kumaun University
2	Prof.D.Jagganathan, Visiting Professor
3	Prof. J.P. Singh, DoMS, IIT Roorkee
4	Prof. G.S. Batra, Punjabi University, Patiala
5	Prof. S.K. Chaddha, Chairman, UBS, Punjab University

6	Prof. D.P. Goyal , Area Chair, Information Systems, MDI
7	Prof. S.S. Khanka, Professor, National Institute of Financial Management.
8	Dr. Shailendra Singh, ISU University, Taiwan
9	Prof. P.C. Kavidayal, Professor, Kumaun University
10	Prof. V.K. Singh, Professor, Gurukul Kangri University
11	Dr. Vimal Pant, Associate Professor, National Institute of Food Technology and Management, Haryana

Sl. No.	Name of the Student	Enroll. ID	Topic of Dissertation report	Subject elective			
1	Shivam Chauhan	SMS 151	Market positioning of handicraft products in Uttarakhand		Marketing	Finance	
2	Abhishek Kumar Singh	SMS 152	State of credit financing in selected export oriented unit of Uttarakhand	HR	Marketing		
3	Sapeksh Gahlot	SMS 153	A Study on Consumer Satisfaction in E-Commerce	HR	Marketing		
5	Ramita Anand	SMS 155	Leadership Style in ONGC	HR	Marketing		
6	Vaishali Sharma	SMS 156	Factors affecting job satisfaction at Doon University	HR	Marketing		
7	Vandana	SMS 157	E- adoption among Banks: Indentifying potential and challenges using citation analysis	HR		Finance	
8	Nikhilesh Semwal	SMS 158	Leadership style in an Education Institution, Doon University	HR	Marketing		
9	Manvi	SMS 159	On employee welfare at Cavinkare Pvt. Ltd.	HR	Marketing		
10	Srishti Dobhal	SMS 160	Sales management in workplace	HR	Marketing		
11	Ekta Sunhare	SMS 161	Stress Management	HR	Marketing		
12	Pooja Dobhal	SMS 162	Portfolio management through mutual fund		Marketing	Finance	

13	Siddharth Thapliyal	SMS 163	A market study of Mangaldeep Agarratti brand by ITC among the retailers in Haridwar	HR	Marketing		
14	Umed Singh Rawat	SMS 164	A Study on customer preferences in choosing Big Bazaar		Marketing	Finance	
15	Manish Kumar	SMS 165	Comparative study of service frequency of Coco Cola		Marketing		IB
16	Shailee Parmar	SMS 166	Social Media Marketing in India	HR	Marketing		
18	Kajal Dhiman	SMS 168	A Study on employee satisfaction level at Patanjali	HR	Marketing		
19	Surbhi Pundeer	SMS 169	Effectiveness of advertisement	HR	Marketing		
20	Monica Hada	SMS 170	Comparative Study of financial performance of State Bank of India and Bank of Baroda		Marketing	Finance	
21	Sneh Bhandari	SMS 171	Factors affecting job satisfaction at Doon University	HR	Marketing		
22	Manish Naithani	SMS 172	Working Capital Management in respect to the study in Dehradun region.		Marketing	Finance	
23	Navneet Johar	SMS 173	Customer perception towards Tata Docomo and Uninor		Marketing		IB
24	Vandana Rawat	SMS 174	Impact of performance	HR	Marketing		

			appraisal system on productivity : ONGC				
25	Amit Singh Negi	SMS 175	Export & Logistics operations of Sara Sae Pvt. Ltd.		Marketing		IB
26	Lavanya Shree	SMS 176	Comparative study of Mcdonald's Vs Kentucky Fried Chicken (KFC) in India		Marketing		IB
27	Ankit Sarki	SMS 177	Risk Management in Banking Sector		Marketing	Finance	
28	Monu Kumar	SMS 178	Training and Development in improving the performance of the employees in Uttarakhand Gramin Bank	HR	Marketing		
30	Shaily Semalty	SMS 180	A Study on performance appraisal at the Himalaya Drug Company	HR	Marketing		
31	Rupinder Singh	SMS 181	Customer satisfaction for Maruti Suzuki service in Dehradun		Marketing		IB
32	Preeti Rawat	SMS 182	Training and Development	HR	Marketing		
33	Jaipal Singh Rawat	SMS 183	An analysis of the awareness and Investment on Life Insurance in Dehradun		Marketing	Finance	
34	Rekha Negi	SMS 184	A Study on training evaluation in HDFC Bank	HR	Marketing		
35	Shivam Shankar	SMS 185	Study of training need analysis at THDCIL Rishikesh	HR	Marketing		

37	Adithi Sharma	SMS 187	Development and Current Status of Trade Unions In india	HR	Marketing		
38	Mukesh Rawat	SMS 188	Risk Management & Forex Management		Marketing	Finance	
39	Vishal Rawat	SMS 189	Consumer's perception on online shopping	HR	Marketing		
40	Atul Khanduri	SMS 190	Impact of performance appraisal system on productivity of employees of ONGC Ltd.ss	HR	Marketing		
41	Pooja Dhoundiyal	SMS 191	A Study on job Satisfaction among employees on Indian Overseas Bank	HR	Marketing		
42	Mayur Sharma	SMS 192	Working Capital Management of Cement Industry in India, A Comparative Analysis of Selected Units		Marketing	Finance	
44	Poonam Ramola	SMS 194	Psychometric testing and assessment centre	HR	Marketing		
46	Prince Agarwal	SMS 196	Marketing strategy of Nokia & Samsung		Marketing	Finance	
47	Richa Sinha	SMS 197	Attitude of consumer behavior towards mobile banking in PNB and SBI	HR		Finance	
49	Vivek Kumar	SMS 199	Issue and success factors in Micro Financing		Marketing	Finance	

50	Priyanka Gautam	SMS 200	A comparative study between Private sector banks and Public sector banks in India		Marke ting	Finance	
51	Najmul Afreen	SMS 201	A Study on Wednesday Bazar in Big Bazaar		Marke ting		IB
52	Priyanjali Chhetri	SMS 203	Performance Appraisal, BSNL	HR	Marke ting		
53	Shiva Dimri	SMS 204	Customer Satisfaction in the Indian Banking Sector		Marke ting	Finance	
54	Ashish Ghildiyal	SMS 205	Investor perception about investment in mutual fund, A special reference to SBI Fund Management Pvt. Ltd.		Marke ting	Finance	
55	Rahul Kumar Joshi	SMS 206	Analysis of BETA for banking and auto industry, in respect to the study in Dehradun region		Marke ting	Finance	
56	Barun Kumar Dhasmana	SMS 207	Stress Management among bank employees	HR	Marke ting		

Note: The list is not comprehensive

Workshops/Seminars

Please see **section 19** for more details

45. List the teaching methods adopted by the faculty for different programmes.

Sl. No.	Programme	Teaching Method Adopted by the Faculty
1	MBA / iMBA/ Ph.D.	Classroom Teaching, student seminars, Assignments involving participation of students in different activities related to field visits, elective and specialized courses, interactions with larger society and so on
2	MBA / iMBA/ Ph.D.	In addition to above, all quantitative courses have a practical component involving analysis of data through selected statistical packages
3	MBA / iMBA/ Ph.D.	In addition to above, assignments involving preparation of literature surveys and participation in conferences and seminars for presenting papers and involvement in research projects as interns.

46. How does the School ensure that programme objectives are constantly met and learning outcomes are monitored?

***Monitoring Mechanism*:** Ensured through IQAC
***Student Faculty Committees*:** Each batch of students in every course has representatives for SFC and all these SFC members regularly meet with faculty members to review the activities of the Department
Faculty Advisories: Each student is assigned with an advisor/mentor who help them shaping their career as well as to solve the problems faced by the students.

47. Highlight the participation of students and faculty in extension activities.

Students are encouraged and usually engaged in different extension activities being undertaken by the department. These activities include participation in different competitions being held in university and outside, organizing extended classes, tutorials and remedial courses for newcomers, field visits for better social interactions, participation in activities of local trade unions and organizations of debates and discussions on different policy issues of global, national and regional interests. A Photo profile of some of the past activities that witnessed increased participation of students is as below.

48. Give details of "beyond syllabus scholarly activities" of the department.

Participation of students in different workshops/ seminars organized by the School and individual faculties in different forms. Students are usually given responsibility for management of these events and activities under active guidance of a faculty in charge. For more details, please see ***section 47***

49. State whether the programme/ School is accredited/ graded by other agencies? If yes, give details.

Not Applicable for a new Department.

50. Briefly highlight the contributions of the School in generating new knowledge, basic or applied.

A list of research work undertaken by students under the advisory of faculty members as below.

01	Bhawna Srivastav	SMS 20	Customer perception of Dove beauty care products

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Unflinching Faculty commitment and dedication
- PhD course in management which can generate a lot of management research
- Professionally vibrant environment
- Pan India Identity of School
- Growing Industry Interface

Weaknesses

- Vacant Faculty Positions
- Current Faculty is heavily overloaded
- Grants to Phd scholars are not available
- Internal funding for research is weak
- Still not able to mobilize platform for research i.e. workshops, conferences, etc

Opportunities and Challenges

- To establish separate centres of super specialization
- Opening of executive MBA
- More thrust on placement
- More thrust on industry interface
- Get School accredited by external agencies

52. Future plans of the department.

As per the mandates of the School of Management as highlighted in the vision and mission statement of the university in the Detailed Project Report, the School plans to evolve as an institution of higher learning in terms of teaching and research in Management. Towards this, the medium and longer terms plans of the School are as highlighted below.

Short-Term/ Medium Term Plans:

(a) To equip the School with the state of the art teaching and research facilities in terms of organised and independent library, computer labs.

(b) To build capacities of the students of the School to get placed in remunerative jobs so that a better profile of the School is created in due course.

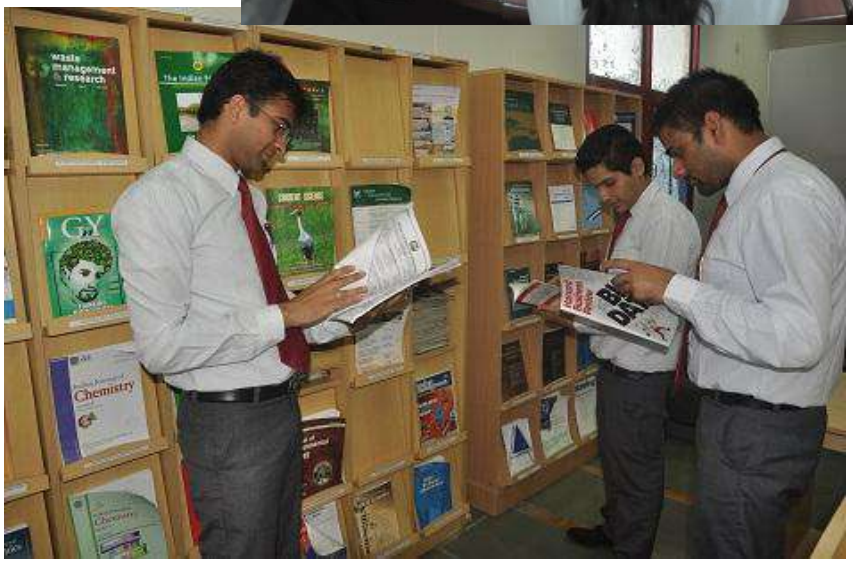
(c) To proactively search for opportunities of partnership with different government agencies both at the state and the national level to ensure participation of the School in policy making processes in the country.

Long term Goals

To evolve as one of the top institutions of learning and research in Management in the country and to get good rankings in the national ratings for departments imparting education in Management.

To eventually evolve as a research institution in fundamental and applied economic research and to realign the programmes to have more research orientation.

To emerge as an active partner of the Government of Uttarakhand in economic and social policy making processes.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Evaluative Report

School of Languages

(Spanish,Chinese,German,Japanese, English, French)

Name of the Department
School of Languages (Department of Spanish Studies , Chinese Studies, German Studies, Japanese Studies, English Studies, French Studies)

2. Year of establishment
Department of Spanish Studies , Chinese Studies, German Studies - 2010
Department of Japanese Studies – 2013
Department of English Studies, French Studies – 2014

3. Is the Department part of a School / Faculty of the university?
Yes, School of Languages

4. Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Litt., etc.)-

- Integrated Master of Arts in Spanish,
- Integrated Master of Arts in Chinese
- Integrated Master of Arts in German
- Integrated Master of Arts in Japanese
- Integrated Master of Arts in French
- Master of Arts in Spanish
- Master of Arts in Chinese
- Master of Arts in German
- Master of Arts in English
- One Year Certificate Course in Spanish
- One Year Certificate Course in Chinese
- One Year Certificate Course in German
- One Year Certificate Course in Japanese
- One Year Certificate Course in French

5. Interdisciplinary programmes and departments involved
The Bachelors programme is multidisciplinary in nature where general courses are offered by School of Environment & Natural Resources and Department of Economics/School of Social Sciences. Elective courses at UG level are offered by various departments at School of Languages.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.- NIL

7. Details of programmes discontinued, if any, with reasons-
NIL

8. Examination System: Annual /Semester / Trimester / Choice Based Credit System- Semester

9. Participation of the department in the courses offered by other departments
School of Languages, Department of Economics/School of Social Sciences, School of Environment & Natural Resources.

Spanish language is offered to the MBA students currently.

10. Number of teaching posts sanctioned, filled and actual (Professors /Associate Professors/Asst. Professors/ others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	2	0	
Associate Professor	6	1 (on contract as an Associate Professor and one as Assistant Professor)	
Asst. Professors	7	5	
Others		11 (Assistant Professors on contract)	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M. Phil. Students guided for the last 4 years
Ms. Mala Shikha	MA	Assistant Professor	Hispanic Studies	6 years	Nil
Ms. Swagata Basu	MA, MPhil	Assistant Professor	Hispanic Studies	4 years	Nil
Ms. Arundhati Bhattacharya	MA	Assistant Professor on contract	Hispanic Studies	4 years	Nil
Mr. Shekhar Maithani	MA	Assistant Professor on contract	Hispanic Studies	3 months	Nil
Mr. shan Sharma	MA	Guest Faculty	Hispanic Studies	2 years	Nil
Ms. TanviNegi	M.A.	Assistant Professor	Modern and Contemporary Chinese Literature, Chinese Culture,	5 years	NIL

			Language teaching		
Mr. Madhurendra Kr Jha	M.A Pursuing PhD since August 2015	Assistant Professor	Chinese language,literature and culture	5 yrs	NIL
Dr. R.N. Sharma	PhD	Associate Professor (On Contract)	Chinese History, Politics, International relations & Modern Chinese Literature,India since 1947.	Almost 25 years (teaching & research)	NIL
Ms. Sutanuka Preetam	M.A.	Assistant Professor (On Contract)	Chinese language,literature and culture	3 months	NIL
Ms. Shomia Biswas	M.A.	Assistant Professor (On Contract)	Chinese Culture	3 months	NIL
Mr. Chandrika Kumar	M.A., M.Phil.	Assistant Professor	Representation of India in German Literature (Poetry), German Literature of the period around 1800, Genre Studies	5 years	NIL
Ms. Jaspreet Kaur Layal	M.A., M.Phil.	Assistant Professor (On Contract)	German-English translation and Interpretation, Children's & juvenile literature	4 ½ years	NIL
Mr. Alok Prasad Naithani	M.A.	Assistant Professor (On Contract)	German Language & Literature (German Ballads)	1 ½ years	NIL
Ms. Yogita Arya	M.A.	Assistant Professor (On Contract)	German Language & Linguistics	2 years	NIL
Ms. Prashali Khanduri	M.A.	Assistant Professor (On Contract)	German Literature & Philosophy of 20th century	½ year	NIL

Ms. Deepika Bhatia	MA	Asst. Professor	Japanese Language, Literature & Culture	2 years	None
Mr. Ravi Kumar	MPhil	Asst. Professor	Japanese Language, Literature & Culture	4 years (appox.)	None
Mr. Vishwas Kumar	MA	Asst. Professor (on contract)	Japanese Language, Literature & Culture	3 months	None
Ms. Richa Joshi Pandey	M.A.	Assistant Professor	Indian Writing in English	2 year (appox.)	
Dr. Andhruti Shah Rathi	Ph D	Assistant Professor	British Literature	6 years (appox.)	
Mr. Varun Dev Sharma	MPhil	Asst. Professor	French Linguistics, French and Francophone Culture, and Intercultural studies, didactics, translation and interpretation	6	None
Ms. Shubhra Kukreti	MA	Asst. Professor	French Linguistics, French and Francophone Literature, French and Francophone Culture	2	None

1. Name of the Department
Department of Spanish Studies

2. Year of establishment
2010

3. Is the Department part of a School / Faculty of the university?
Yes, School of Languages

4. Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Litt., etc.)-

- Integrated Master of Arts in Spanish
- Master of Arts in Spanish
- One Year Certificate Course in Spanish

5. Interdisciplinary programmes and departments involved
The Bachelors programme is multidisciplinary in nature where general courses are offered by School of Environment & Natural Resources and Department of Economics/School of Social Sciences. Elective courses at UG level are offered by various departments at School of Languages.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.- NIL

7. Details of programmes discontinued, if any, with reasons-
NIL

8. Examination System: Annual /Semester / Trimester / Choice Based Credit System- Semester

9. Participation of the department in the courses offered by other departments
School of Languages, Department of Economics/School of Social Sciences, School of Environment & Natural Resources.
Spanish language is offered to the MBA students currently.

10. Number of teaching posts sanctioned, filled and actual (Professors /Associate Professors/Asst. Professors/ others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professor	1	1	0
Asst. Professors	1	1	2
Others	2 (Assistant Professors on contract)	2	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M. Phil. Students guided for the last 4 years
Mala Shikha	MA	Assistant Professor	Hispanic Studies	6 years	Nil
Swagata Basu	MA, MPhil	Assistant Professor	Hispanic Studies	4 years	Nil
Arundhati Bhattacharya	MA	Assistant Professor on contract	Hispanic Studies	4 years	Nil
Shekhar Maithani	MA	Assistant Professor on contract	Hispanic Studies	3 months	Nil
Ishan Sharma	MA	Guest Faculty	Hispanic Studies	2 years	Nil

12. List of seniorVisiting Fellows, adjunct faculty, and emeritus professors

- Professor Anil Dhingra (JNU, New Delhi)- Adjunct Professor (at present)
- Professor Minni Sawhney (GRS, University of Delhi, New Delhi)- Visiting Professor (January- December, 2012)
- Professor S P Ganguly (JNU, New Delhi)- Adjunct Professor (2011)
- Professor B R Deepak (JNU, New Delhi)- Visiting Professor (February-December, 2011)
- Professor Sadhana Naithani- (JNU, New Delhi)- Visiting Professor (July, 2010-January, 2011)

13. Percentage of classes taken by temporary faculty – programme-wise information

- Arundhati Bhattacharya, Assistant Professor on contract- MA Integrated (3 year BA)- 4 out of a total of 15 courses that is 26.67%
- Shekhar Maithani, Assistant Professor on contract- MA Integrated (3 year BA)- 4 out of a total of 15 courses that is 26.67%
- Ishan Sharma, Guest Faculty- MA Integrated (3 year BA)- 4 out of a total 15 courses that is 26.67%.

14. Programme –wise Student Teacher Ratio

MA (Two years)	Five Years Integrated Masters
6:1	15:1

15.Number of academic support staff (technical) and administrative staff: sanctioned, filled and Actual

Staff	Sanctioned	Filled	Actual
Administrative	1Personal Assistant 3Junior Assistants	1Office Assistant (Contract)	1 Office Assistant
Academic Support Staff	0	1 Lab Assistant 1 Peon (Contract)	1 Lab Assistant 1 Peon

16. Research thrust areas as recognized by major funding agencies

Indo- Latin American Reception Studies

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise

Faculty name	Funding Agency	Project Title	Grants received
Mala Shikha	National, ICSSR	India in the Imagination of Latin America	Rs 8,00,000/-

18. Inter- institutional collaborative projects and associated grants received

a) National collaboration NIL

b) International collaboration NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, ALCTIE, Etc.; total grants received.

NIL

20. Research facility /centre with

NIL

21. Special research laboratories sponsored by / created by industry or corporate bodies.

NIL

22. Publications:

- Number of papers published in peer reviewed journals (national / international): 01
- Monographs: NIL

- Chapters in Books: 03
- Edited Books: NIL
- Books with ISBN with details of publishers: NIL
- Number listed in International Database (for e.g. Web of Science, Scopus. Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.): NIL
- Citation Index - range / average: NIL
- SNIP:NIL
- SJR:NIL
- Impact Factor - range / average: NIL
- H- index: NIL

List of Publications

Ms. Swagata Basu

1. **Basu, S. 2011.** La inmigración y su representación: un vistazo a cine español de inmigración. (Immigration and its representation: an overview of Spanish Immigration Cinema). ***Hispanic Horizon* 28**. ISSN: 0970-7522.

List of Book Chapters

1. **Basu, S. 2012.** 'I'am made by my 'Other': Migration, 'Others' and Identity in contemporary Spanish novels. Problematics on Ethnicity, Identity & Literature, ***ISEIL-2012***, **20-25** (The Sibsagar College, Joysagar, Assam, Ed. Anooradha Chakrabarty Barua & Hemanta Kr. Nath.). ISBN: 978-81-924140-5-8.

2. **Basu, S. 2013.** Mahi's overweight body and her desire for a prince charming: An assessment of the de-stereotyping efforts in and the reception of the TV show 'Mahi Way' in De-stereotyping Indian Body and Desire. **135-148**. (Cambridge Scholars Publishing, Newcastle upon Tyne, Ed. Kaustav Chakraborty). ISBN: 978-1-4438-5253-1.

3. **Shikha, M. 2013.** Understanding context through text: Interrelatedness of Language and Literature, ***MAGIC,* 46-52** (University of Petroleum & Energy Studies, Dehradun). ISBN: 978-93-81583-80-7.

23. Details of patents and income generated

NIL

24. Areas of consultancy and income generated

NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions /in India And abroad

- Mala Shikha was selected to visit Spanish Department, Mahatma Gandhi, Antarrashtriya Hindi Vishwavidyalaya, Wardha, Maharashtra as an external examiner in November, 2013.

- Mala Shikha was selected to deliver a lecture to the Erasmus Mundus MultiELE scholars at the Centre for Spanish, Portuguese, Italian and Latin American Studies, School of Language, Literature and Culture Studies, JNU, New Delhi in September, 2014.

- Mala Shikha was selected to present a paper at International Conference at University of Petroleum and Energy Studies, Dehradun (in 2013) and CSPILAS/SLL&CS, Jawaharlal Nehru University, New Delhi (in 2013, 2014 and 2015).

- Mala Shikha was selected to deliver a plenary lecture and chair a session at International Conference and International Workshop respectively at CSPILAS/SLL&CS, Jawaharlal Nehru University (in 2014 and 2015).

- Swagata Basu was selected to deliver a lecture at the Centre for Spanish, Portuguese, Italian and Latin American Studies, School of Language, Literature and Culture Studies, JNU, New Delhi in 2012.

- Swagata Basu was selected to present papers at the Shibsagar College, Joysagar, Assam (in 2012), Jamia Millia Islamia (in 2013) and Jawaharlal Nehru University (in 2015).

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

None

27.Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs)

Training programs and similar programs).- The University encourages the faculty to attend courses/ programs and /or Refresher and Orientation courses. The University also has a system of offering financial assistance amounting to Rs 20,000 in two years to each faculty for attending Conferences, programs, workshops etc.

- Mala Shikha- One Refresher Course (2012)
- Swagata Basu- One Orientation Course (2013)

28. Student projects

- Percentage of students who have done in-house projects including inter- departmental Projects: 100% (MA final semester dissertation)
- Percentage of students doing projects in collaboration with other universities / industry/Institute: NIL

29. Awards / recognitions received at the national and international level by

Faculty: NIL
Doctoral/Postdoctoral Fellows: NIL
Students: NIL

30. Seminars / Conferences /Workshops organized and the source of funding (national/international) with details of outstanding participants, if any

- International Conference on Foreign Language Teaching in April 2013
- National Conference on Understanding Culture through Language, Literature and Cinema in November 2011
- International Conference on Folklore and Intangible Cultural Heritage of Uttarakhand in January 2011

Funding for all the above mentioned Conferences was done by the Doon University

31. Code of ethics for research followed by the departments

As stipulated by the Internal Quality Assurance Cell.

32. Student profile programme - wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2015-16 BA Languages	213	15/127	12/86	Continuing	Continuing
2015-16 MA Spanish	10	01/02	03/08	Continuing	Continuing
2014-15 BA Languages	156	09/92	04/64	Continuing	Continuing
2014-15 MA Spanish	01	0/01	0/01	Continuing	Continuing
2013-14 BA Languages	127	04/74	06/53	Continuing	Continuing
2012-13 BA Languages Passed out in 2015	86	05/38	07/48	40%	86% (One student dropped out.)
2011-12 BA Languages Passed out in 2014	120	06/64	10/56	100%	90%

2010-11 BA Languages Passed out in 2013	80	09/34	06/46	89%	83%
MA Spanish Passed out in 2015	NA	NA	NA	100	100

33. Diversity of students

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Five year Integrated Masters (2010)	100%	Nil	Nil	Nil
Five year Integrated Masers (2011)	100%	Nil	Nil	Nil
Five year Integrated Masers (2012)	100%	Nil	Nil	Nil
Five year Integrated Masers (2013)	100%	Nil	Nil	Nil
One year certificate course (2013)	100%	Nil	Nil	Nil
One year certificate course (2014)	100%	Nil	Nil	Nil
MA (two years) (2015)	33%	Nil	Nil	Nil

34.How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category – wise.

NIL

35. Student progression

Students Progression	Percentage against enrolled
UG to PG	12%
PG to M. Phil.	NA
PG TO Ph.D.	NA
Ph.D. to Post – Doctoral	NA

Employed • Campus selection • Other than campus recruitment	Campus Selection- Nil Other- 70%
Entrepreneurs	NIL

36. Diversity of staff

Percentage of faculty who are graduated	
Of the same university	20%
from other universities within the State	NIL
From university from other State	80%
From university outside the country	NIL

37. Number of faulty who were awarded M. Phil., Ph.D., D.Sc. and D.Litt. during the assessment Period

1(Swagata Basu)

38. Present details of departmental infrastructural facilities with regard to

a) Library

One centralized University Library with textbooks, references books and journals on Spanish language, literature and culture studies.

b) Internet facilities for staff and students

In the offices for the faculty and in the hostels for the students.
The campus is Wi-Fi enabled.

c) Total number of class rooms

Four

d) Class rooms with ICT facility

All the classes are equipped with projectors and Wi-Fi Internet connection.

e) Students' laboratories

One Multi Media Language Laboratory.

f) Research laboratories

NIL

39. List of doctoral, post- doctoral students and Research Associates

NIL

40. Number of post graduate students getting financial assistance from the university.

NIL

41.Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology

It is first discussed in the Department Council Meeting; subsequently it is taken to the Academic Advisory Committee of the Department. It is then sent for final approval, before implementation, to the Academic Council.

42. Does the department obtain feedback from
a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, in every academic year. observations and suggestions are discussed in the department council meeting. Later it is discussed in the Advisory Committee meeting. Subsequently modifications are done in curriculum.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Yes. Feedback from the students is conducted by the IQAC of the University. It is discussed thoroughly and objectively. Modifications/amendments are done in the methodology, course content, and the material used based on the feedback.

c. alumni and employers on the programmes offered and how does the department utilize the feedback?
Yes. Feedback from the alumni is incorporated while designing new courses. Employers' feedback is re-evaluated and incorporated within the framework of available resources.

43. List the distinguished alumni of the department (maximum 10)
NIL

44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving External experts.

The Department organizes special lectures/workshops/seminars by inviting external experts from various prestigious institutions such as JNU, University of Delhi and Jamia Millia Islamia in every academic session. Experts are invited to deliver lectures with relation to the courses offered.
List of Experts invited to deliver special lecture or conduct workshop in last five years:

- Mr Om Gupta (Editor and Founder, Indo-Latin American File) in 2015
- Professor S P Ganguly (Prof. retd., CSPILAS/SLL&CS, JNU, New Delhi) in 2015, 2014, 2013, 2012, 2011 and 2010
- Mr V K Singh, Assistant Professor (SOFL, IGNOU, New Delhi) in 2015, 2013 and 2012
- Dr Dibyajyoti Mukhopadhyay (Director, Professor Carlos Varona (Director, Instituto Cervantes, New Delhi) in 2015

- Dr Meenakshi Sundriyal (Assistant Professor, CSPILAS/SLL&CS, JNU, New Delhi) in 2014
- Professor Anil Dhingra (Professor, CSPILAS/SLL&CS, JNU, New Delhi) in 2014 and 2013
- Professor Sonia Surabhi Gupta (Professor and Director, CELAS, Jamia Millia Islamia) in 2014
- Ms Carmen Villasol, Head, Modern Foreign Languages, Pathways School, Gurgaon
- Professor Minni Sawhney (GRS, University of Delhi) in 2013 and 2012

45. List the teaching methods adopted by the faculty for different programmes.

For first three years of MA 5 year Integrated (BA) the methodology adopted by the teachers is extremely communicative. Lectures are conducted with help of audio-visual aids in the Multi Media Lab. Courses are also designed in order to facilitate this approach. Many activities outside the classroom are done to help students learn the subject in a context.
At MA 2 year level, theory is taught in the classroom and students are expected to carry out an empirical study individually. They are also encouraged to carry out minor research works for each course in order to develop an analytical ability. Student seminars are conducted occasionally to monitor the research work done.

46. How does the department ensure that program objectives are constantly met and learning Outcomes are monitored ?

Meetings of students and faculty are regularly held. Observations from these meetings are discussed in the department council meetings. Later they are sent to the department's advisory committee for final approval. The aim is to minimise the gap between the students and the teachers for which each teacher takes feedback from the students at a regular interval to monitor the learning outcomes. Suggestions are immediately incorporated to ensure that the programme objectives are constantly met.

47. Highlight the participation of students and faculty in extension activities.

Annual festival (Día del Libro) is organised in every academic year in which students take part in academic and cultural activities. Educational tours are organised from time to time to expose the students to the different socio-cultural realities. Students are encouraged to participate in seminars/workshops organized at various institutions in Dehradun like participation in seminar conducted at MKP PG Girls College, Dehradun in March, 2015 on **Global Perspective of Spanish Language and Literature.** Visits to nearby villages are also being conducted.

48. Give details of "beyond syllabus scholarly activities" of the department.

Special lectures/workshops/seminars are organised by inviting experts from the academia and/or the industry to have a hands-on experience. Department also participates in seminars organised by various institutions within the city.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details.

NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or Applied.

Imparting an in-depth knowledge about Spanish culture, literature etc. through various lectures, workshops and extracurricular activities organized by the department. Several experts and speakers are invited for the same from time to time.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths:

- Department of Spanish Studies at the Doon University is the only centre to offer MA integrated (BA+MA) in Spanish in Uttarakhand and in the entire country after JNU and University of Delhi.
- Well qualified young faculty.
- A well researched and updated curriculum to meet the international standards (as per the Common European Framework).
- Record of placement of alumni is extremely impressive due to the abundance of companies that require experts of Spanish language in present times.
- One year Certificate Course in Spanish is being offered that suits perfectly to the current market trends.

Weaknesses:

- Shortage of faculty, especially experienced and native faculty.
- Shortage of resources in the library.
- Shortage of infrastructural facilities.
  Lack of awareness in public within the region about the importance of learning Spanish.
- Reaching out to other departments of Spanish Studies in the country and Embassies is challenging.

Opportunities:

- A unique centre for higher studies within the region and within the country.
- Due to the ever developing bilateral ties within India- Spain and India-Latin America there is a huge demand to learn Spanish.
- Excellent job opportunities in the Multinational companies and Embassies.

- Due to a huge influx of tourists from Spain and Latin America in Uttarakhand there is a lot of demand of Spanish language experts in tourism sector.
- In post-colonial times there is a vast scope to engage oneself in research projects between India and Latin America.

Challenges:

- To strive towards making the department a Centre for Excellence.
- To impart quality education through a well researched and updated curriculum.
- To design and introduce more market oriented courses.
- To collaborate with national and international centres of Spanish Studies.
- To increase the research output of the faculty.

52. Future plans of the department.

- Collaborations with national and international centres of Spanish Studies in near future.
- Increase the visibility of the department in the state and within the country by organizing workshops and seminars for outside scholars. .
- Impart soft skills in the students along with learning of the language. Design courses that cater to the current research and market trends in order to increase the employability of the students.
- Generate material for teaching and learning with help of the resources available in the University.

1. Name of the Department
Department of Chinese Studies

2. Year of establishment:
2010

3. Is the Department part of a School / Faculty of the university?
Yes, School of Languages

4. Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Litt., etc.)

- Integrated Master of Arts in Chinese
- Master of Arts in Chinese
- One Year Certificate Course in Chinese

5. Interdisciplinary programmes and departments involved
The Bachelors program is multidisciplinary in nature where courses from other departments like School of Environment and Natural Resources and Economics Department are offered to the students as General or Elective courses.

6.Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

7. Details of programmes discontinued, if any, with reasons:
NIL

8. Examination System: Annual /Semester / Trimester / Choice Based Credit System
Semester system

9. Participation of the department in the courses offered by other departments
Chinese language course offered to MBA students in the year 2010-2011.
General and Elective courses are offered to the students by other Departments.

10. Number of teaching posts sanctioned, filled and actual (Professors /Associate Professors / Asst. Professors/ others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor			
Associate Professor	1	1	
Asst. Professors	1	1	
Others			1 Associate Professor on

			Contract 2 Assistant Professors on Contract

11.Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience (Teaching & Research)	No. of Ph.D./ M. Phil. Students guided for the last 4 years
TanviNegi	M.A.	Assistant Professor	Modern and Contemporary Chinese Literature, Chinese Culture, Language teaching	5 years	NIL
Madhurendra Kr Jha	M.A Pursuing PhD since August 2015	Assistant Professor	Chinese language,literature and culture	5 yrs	NIL
Dr. R.N. Sharma	PhD	Associate Professor (On Contract)	Chinese History, Politics, International relations & Modern Chinese Literature,India since 1947.	Almost 25 years (teaching & research)	NIL
Sutanuka Preetam	M.A.	Assistant Professor (On Contract)	Chinese language,literature and culture	3 months	NIL
Shomia Biswas	M.A.	Assistant Professor (On Contract)	Chinese Culture	3 months	NIL

12. List of senior Visiting Fellows, adjunct faculty, and emeritus professors:

Since its inception, School of Languages had names of renowned scholars associated with it as Visiting Professors or Adjunct Professors.

- Prof Sadhana Naithani, JNU was the Head of School of Languages from June 2010 to January 2011.

- Prof B. R. Deepak, JNU was the Head of School of Languages from January 2011 to December 2012.

- Prof Minni Sawhney, DU was the Head of School of Languages from January 2012 to December 2013.

13. Percentage of classes taken by temporary faculty – programme-wise information

MA (Two years)	MSc Five Years Integrated
1:2	15:14

14. Programme–wise Student Teacher Ratio

MA (Two years)	Integrated Five Years Masters (5 years)
2:1	13:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and Actual

Staff	Sanctioned	Filled	Actual
Administrative	1 Personal Assistant 3Junior Assistants	1 Office Assistant (Contract)	1 Office Assistant
Academic Support Staff	0	1 Lab Assistant 1 Peon (Contract)	1 Lab Assistant 1 Peon

16. Research thrust areas as recognized by major funding agencies:
NA

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise
NIL

18. Inter- institutional collaborative projects and associated grants received

a) National collaboration NIL
b) International collaboration NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, ALCTIE, Etc.; total grants received.

NIL

20. Research facility / centre with

- State recognition NA
- National recognition NA
- International recognition NA

21. Special research laboratories sponsored by / created by industry or corporate bodies

NIL

22. Publications:

- Number of papers published in peer reviewed journals (national / international): 8
- Monographs: NIL
- Chapters in Books: 2
- Edited Books: 1
- Books with ISBN with details of publishers: NIL
- Number listed in International Database (for e.g. Web of Science, Scopus. Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.): NIL
- Citation Index - range / average: NIL
- SNIP: NIL
- SJR: NIL
- Impact Factor – range / average: NIL
- H- index: NIL

List of Publications

Mr. Madhurendra Kr Jha

1. **Jha, M. 2015.** Indian Sinologist. ***My Romance with Jia Zhangke's Films***, chinadaily.com.cn.
2. **Jha, M. 2015. 设想新的国家：尼赫鲁和毛泽东时代电影对比** (Imagining the New Nations: a Comparative Study of the Nehru and Mao Era Cinema). China and the World Cultural Exchange, ***Journal of the China International Cultural Association, Ministry of Culture, P.R. China*, 50-53.** ISSN: 1004-5007.

3. **Jha, M. 2015.** Reinventing the Ballad of Mulan: a Socio-Political-Cultural Analysis of Cinematic Adaptations of the Folk song of Mulan, Lokratna. ***Journal of folklore foundation***, India in collaboration with the world oral literature project, University of Cambridge, United Kingdom, **VIII**, **182-195**. ISSN 2347-6427.
4. **Jha, M. 2015.** Indian Public Sees Smiles Instead of Snares on Other Side of Border. Global Times.
5. **Jha, M. 2013.** Chinese as a Foreign Language in India: A Critical Assessment. ***Language, Society and Culture in Asian Contexts*** **1042**, ISBN: 978-81-7343-141-8.
6. **Jha, M. 2013.** Raj Kapoor and his Films: The Confluence of Socialism, Humanism and Eroticism. ***eDhvani University of Hyderabad journal of comparative journal*** ISSN: 2279- 0209.

Dr. B.R. Deepak

1. **Deepak, B. R. 2011.** India, China and Tibet: Fundamental perceptions from Dharamsala, Beijing and New Delhi. ***Asian Ethnicity. Special Issue on Tibetan Studies in Comparative perspective*** **12**

Dr. R.N. Sharma

1. **Sharma, R. N. 2011.** Post Mao cultural Relation between India & Chin. ***Challenges and Opportunities for 21st Century*** by Sudhir Kumar Singh, Pentagon Press.
2. **Sharma, R. N. 2013.** Post Jiang leadership in China. ***Emergence of Asia*** by Dr. **Sudhir** Singh.
3. **Deepak, B. R. 2011.** Challenges of Literary Textin Foreign Language Teaching: A Case study of the Centre of Chinese and South East Asian Studies. ***Foreign Language Teaching in India: Challenges and Strategies*** by Prabhakar Rao.
4. **Sharma, R. N. 2014.** China's role to Afghanistan war. ***Indian Council of Social Science Research***.
5. **Sharma, R. N. 2014.** Marx on China. (Under Publication).
6. **Sharma, R. N. 2015.** Bihar election (21st November, Ministry 2015).
7. **Sharma, R. N. 2015.** Trust led to mistrust, war, dialogue, engagement between India and China (under publication).

23. Details of patents and income generated

NIL

24. Areas of consultancy and income generated

NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions /in India and abroad

1. Dr. Sharma was selected by the ICSSR of India & Chinese Academy of social science.
2. Ms Tanvi Negi participated in “2011 Taiwan Study Camp for Future leaders from Korea and South Asia”

3. Mr. Madhurendra Kr Jha:
   a) Selected as young sinologist to represent India in the Visiting Program for Young Sinologists, 2015 organized by the Ministry of Culture, People's Republic of China and Chinese Academy of Social Sciences held at Beijing, China from July 5-24, 2015.
   b) Selected as 'Young Sinologist' from India by Ministry of Culture, People's Republic of China and Chinese Academy of Social Sciences for the "2014 Young Sinologists Research Program" held during July 1, 2014 to July 23, 2014 in Beijing organized by Ministry of Culture, People's Republic of China and Chinese Academy of Social Sciences.
   c) Got invited to Centre for Chinese language and culture, Central University of Gujarat to deliver special lectures on Chinese language, literature and culture from 15-19 September, 2014.

4. Refresher and Orientation Courses
   Mr Madhurendra Jha: One Orientation Course
   Ms Tanvi Negi: One Refresher Course and One Teachers Training Program

26. Faculty serving in

- National committees
- International committees
- Editorial Boards
- any other (please Specify)

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, Training programs and similar programs)

The University encourages the faculty to attend courses/ programs and /or Refresher and Orientation courses. The University also has a system of offering financial assistance amounting to Rs 20,000 in two years to each faculty for attending Conferences, programs, workshops etc.

28. Student projects

- Percentage of students who have done in - house projects including inter- departmental Projects: 100%
- Percentage of students doing projects in collaboration with other universities / industry/Institute: NIL

29. Awards / recognitions received at the national and international level by

- Faculty :
  Prof B.R. Deepak, Visiting Professor of Chinese became the first Indian to win Chinese Literary Award for his Book on Chinese Poetry 11th Century BC to 14th Century BC on August 30, 2011.
- Doctoral / post doctoral fellows : NA
- Students:
  1. Ms AnukritiBisht, an MA student was awarded MHRD Scholarship of one year study in China in the year 2014.

2. Ms Himalee Kuksal, an MA student was awarded MHRD Scholarship for one year study in China in the year 2015.

30. Seminars / Conferences /Workshops organized and the source of funding (national /international) with details of outstanding participants, if any

The following Seminars/ Conferences were conducted by the School of Languages.

1. International Conference on " Foreign Language Teaching and Intercultural Dialogue " April 11-12, 2013.
2. National Seminar on "Understanding Culture through Language, Literature and Cinema" November 25, 2011.
3. International Conference on "Folklore and Intangible Cultural Heritage of Uttarakhand" January 19-21, 2011.

31. Code of ethics for research followed by the departments:

Faculty members and students exercise extreme caution to produce original work.

All the Head of Departments and faculty members have been provided with Anti-Plagiarism software through INFLIBNET.

32. Student profile programme – wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2015-16					
BA Languages	213	7 /127	17/86	Continuing	Continuing
MA Chinese	4	0	0	Continuing	Continuing
2014-15					
BA Languages	156	12/92	12/64	Continuing	Continuing
2013-14					
BA Languages	127	8/74	8/53	Continuing	Continuing
2012-13					
BA Languages Passed out in 2015	86	6/38	9/48	12	67

2011-12					
BA Languages Passed out in 2014	120	6/64	5/56	50	80
2010-11					
BA Languages Passed out in 2013	80	2/34	7/46	100	57.14
MA Chinese Passed out in 2015	NA	NA	NA	100	50 (One student dropped out)

The numbers of applications received are for School of Languages and the students selected are only for the Department of Chinese Studies. The total no of students selected in the School of Languages overall including all the departments is much higher.

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA (2015)	100	NIL	NIL	NIL
MA (2014)	100	NIL	NIL	NIL
BA	NA	NA	NA	NA

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category – wise

NIL

35. Student progression

Students Progression	Percentage against enrolled
UG to PG 2015 2014	 18% 43%
PG to M. Phil.	NA
PG TO Ph.D.	NA

Ph.D. to Post – Doctoral	NA
Employed • Campus selection • Other than campus recruitment	NIL All
Entrepreneurs	NIL

* There is a provision of lateral exit in the five years Integrated Foreign Language Program. The students wishing to leave the Integrated Master's Program after completing their Bachelors can exit the program with a Bachelors (Honors) degree.

36. Diversity of staff

Percentage of faculty who are graduated	
Of the same university	NIL
from other universities within the State	NIL
From university from other State	100%
From university outside the country	NIL

37. Number of faculty who were awarded M. Phil., Ph.D., D.Sc. and D.Litt. during the assessment Period

NIL

38. Present details of departmental infrastructural facilities with regard to

a) Library

A centralized University Library with text books and reference books. Journals and Magazines related to China. Online journals are also available.

b) Internet facilities for staff and students

Wi-Fi connection on the campus Internet facility in the office for teachers and in the Hostel for the students.

c) Total number of class rooms

Four

d) Class rooms with ICT facility

90% classrooms are equipped with Projectors and the Lecture Hall Building has Internet Connectivity (Wi-Fi).

e) Students' laboratories
One Multimedia Language Lab

f) Research laboratories
NA

39. List of doctoral, post- doctoral students and Research Associates
a) from the host institution/university: NIL
b) from other institutions/universities: NIL

40. Number of post graduate students getting financial assistance from the university

NIL

41. Was any need assessment exercise undertaken before the development of new program?(s)? If so, highlight the methodology.

Before developing any program it is discussed and approved by the Academic Council. The courses are discussed and designed in consultation with Academic Advisory Committee of the Department.

42. Does the department obtain feedback from
a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

As per the feedback from the faculty the course content is discussed and re-evaluated in faculty meeting and then in Advisory Committee meetings and changes are made in the content, bibliography , teaching methodology, etc.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Internal Quality Assurance Cell (IQAC), Doon University obtains feedback forms from the students on a regular basis. These forms are sent to the Individual faculty for reflections and need assessments. As per the feedback from the students, the faculty members re-evaluate the teaching methodology, course content, use of teaching material and make required changes.

c. alumni and employers on the programmes offered and how does the department utilize the feedback?

The feedback from Alumni is obtained and is incorporated in designing of new courses or during modification of existing ones.

43. List the distinguished alumni of the department (maximum 10):
NIL

44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving External experts.

The Department since its inception has on a regular basis invited experts from the field of Chinese language teaching, Chinese Culture, Chinese Literature, Translation, interpretation, China-India relations etc to deliver special lectures. Workshops on Translation and Interpretation have been conducted to give students a practical understanding of the courses.
List of Experts invited to deliver special lectures or conduct workshops in the last five years

1. Prof B. R. Deepak, CCSEAS, JNU delivered an address on Orientation week July 2010.
2. Prof Priyadarsi Mukherjee, CCSEAS, JNU delivered an address on Orientation week July 2010.
3. Mr Huang Zhigang, First Secretary, Embassy of China in India, New Delhi addressed the students of the department on 25th July 2011.
4. Ambassador Ong Wenchi, the Chief Representative of Taiwan Economic and Culture Centre, New Delhi delivered a Special Lecture on the "Possibilities for a Taiwan-India Partnership and Economic Growth" 5th November 2011.
5. Dr Yin Xinan, Associate Professor in the Institute at the South Asian Studies, Sichuan University delivered a special lecture on "Indian Images of China" to the students of Chinese on 24th November 2011.
6. Prof Priyadarsi Mukherjee, CCSEAS, JNU conducted a Workshop titled " Translation for Beginners" in 2013.
7. Dr Hemant Adlakha, CCSEAS, JNU delivered a series of lectures during 13-15 February, 2014.
8. Dr Manik Bhattacharya, Retired Professor, CCSEAS, JNU, delivered a series of lectures from 23 to 25th February, 2015.
9. Dr Hemant Adlakha, CCSEAS, JNU delivered a series of lectures and conducted a Workshop titled, "How not to let text be 'Lost in Translation" during 8 to 10 October, 2015.
10. Ms Wang Chieh Yu, Visiting Faculty, CCSEAS, JNU, delivered a series of lectures from November 19 to 21, 2015.

45. List the teaching methods adopted by the faculty for different programmes

For courses in Bachelor Program the stress is on classroom teaching with student-centric approach. Technology like Multimedia labs, power point presentations, audio-visual aids is incorporated in the teaching.
For courses in Masters Program stress is laid on both classroom teaching and self study. The students are encouraged to carry out individual study and research so as to develop their analytical ability.

46. How does the department ensure that program objectives are constantly met and learning Outcomes are monitored?
Regular faculty meetings are conducted to discuss different courses and the development of the courses and the response of the students. The

developments of the courses are discussed with advisory committee members and their expert advice is incorporated.
Student Faculty Committee meets regularly where students and faculty discuss the academic activities of the Department. The Committee also discusses the courses and whether the objectives of the courses are achieved.

47. Highlight the participation of students and faculty in extension activities.

The Students of the Department have participated in the "Spring Festival "Celebration organized by CCSEAS, JNU, New Delhi.
The Department has also carried out Educational (Exposure) Trips .
The Department has also organized a group visit to a nearly Village.

48. Give details of "beyond syllabus scholarly activities" of the department.

Workshops on Translation, language learning, literature, etc. are organized on regular intervals to keep the students updated with new developments in the field.
Experts from field of Chinese Studies are invited regularly to deliver special lectures and conduct workshops. For detailed list of Invited guests please see point 44.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details
NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or Applied.
Imparting an in-depth knowledge about Chinese culture, literature etc. through various lectures, workshops and extracurricular activities organized by the department. Several experts and speakers are invited for the same from time to time.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths

- Strategic location, Uttarakhand sharing the borders with China is strategically very important.
- The only department of Chinese Language in the State of Uttarakhand and even the Northern Himalayan region that offers graduate and post graduate program.
- China emerging as a superpower, Chinese language will have an immense scope in the near future.
- Many factories and Company offices are being opened in the capital city of Uttarakhand and other places.

- The Department offers a competitive course curriculum that focuses on students needs. The students are exposed regularly to experts in the field of Chinese language and China Studies.

Weaknesses

- The shortage of faculty members
- Infrastructure not up to date
- Library needs to be strengthened.

Opportunities

- Being the only Chinese language centre in the region, it has a tremendous potential of emerging as a leading centre of Chinese language learning.
- The strategic location of the department in the Himalayan region will also provide for ample research opportunities.
- With the new industries coming up and the State focusing on developing its tourism industry, the department will have a lot of opportunities and can play a vital role.

Challenges

- The limited number of faculty members and no positions for recruiting new faculty members is a serious challenge.
- Providing exposure to the students.
- Lack of research material

52. Future plans of the department.

- To start more collaborative activities with other centres of Chinese learning.
- To form collaboration with a University from China or Taiwan.
- To introduce more innovative and market oriented courses in order to empower students to face the challenges of the new world.
- To increase the research output of the department.

1. Name of the Department :
Department of German Studies

2. Year of establishment:
2010

3. Is the Department part of a School / Faculty of the university?
Yes, School of Languages

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

- Integrated Master of Arts in German
- Master of Arts in German
- Certificate Course in German

5. Interdisciplinary programmes and departments involved
The Bachelor courses in foreign language departments are multidisciplinary in nature. Courses from other departments like Economics department and SENR are offered as general and elective courses.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

7. Details of programmes discontinued, if any, with reasons:
NIL

8. Examination System: Annual /Semester / Trimester / Choice Based Credit System:

Semester system

9. Participation of the department in the courses offered by other departments:

In the Certificate course students from any school/department can enroll themselves. Apart from this an elective course is offered in the 3rd and 4th semester of B.A. (Hons) in German where students from any department of School of Languages can register.

10. Number of teaching posts sanctioned, filled and actual (Professors /Associate Professors /Asst. Professors/ others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor			
Associate Professor	1	1 (as Asstt. Professor)	
Asst. Professors	1	0	
Others			4 Assistant Professors on Contract

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M. Phil. Students guided for the last 4 years
Chandrika Kumar	M.A., M.Phil.	Assistant Professor	Representation of India in German Literature (Poetry), German Literature of the period around 1800, Genre Studies	5 years	NIL
Jaspreet Kaur Layal	M.A., M.Phil.	Assistant Professor (On Contract)	German-English translation and Interpretation, Children's & juvenile literature	4 ½ years	NIL
Alok Prasad Naithani	M.A.	Assistant Professor (On Contract)	German Language & Literature (German Ballads)	1 ½ years	NIL
Yogita Arya	M.A.	Assistant Professor (On Contract)	German Language & Linguistics	2 years	NIL
Prashali Khanduri	M.A.	Assistant Professor (On Contract)	German Literature & Philosophy of 20th century	½ year	NIL

12. List of senior Visiting Fellows, adjunct faculty, and emeritus professors

Visiting Professors and Head of the School of Languages

- Prof. Sadhana Naithani (2010-2011)
- Prof. B. R. Deepak (2011-2012)
- Prof. Minni Sawhney (2012-2013)

Prof. Rajendra Dengle is an Adjunct Professor.
Prof. Heinrich P. Kelz (Bonn/Germany)
Prof. Wolfgang Braungart(Bielefeld/Germany),
Prof. Harald Husemann (Osnabrueck/Germany),
Prof. Rekha V. Rajan (JNU/New Delhi),
Prof. Chitra Harshvardhan (JNU/New Delhi),
Prof. R C Gupta (JNU/New Delhi),
Dr. Rosy Singh (University of Delhi),
Dr. M.S. Joshi (University of Delhi),
Prof. V. Ganeshan (EFLU/Hyderabad),
Dr. Swati Acharya (University of Pune) have visited the Department and taught here for sometime ranging from 2 days to 3 weeks.

13. Percentage of classes taken by temporary faculty - programme-wise information

NIL

14. Programme - wise Student Teacher Ratio:

MA (Two Years)	Five Years Integrated Course
11:2	69:4

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff	Sanctioned	Filled	Actual
Administrative	1 Personal Assistant 3 Junior Assistants	0	1 Office Assistant
Academic Support Staff	0	0	1 Lab Assistant 1 Peon

16. Research thrust areas as recognized by major funding agencies

NIL

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

NIL

18. Inter-institutional collaborative projects and associated grants received

a) National Collaboration: NIL b) International collaboration: MoU with University of Osnabrueck/Germany, but no grant has been received under this MoU.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, ALCTIE, etc.; total grants received.
NIL

20. Research facility / centre with
NIL

21. Special research laboratories sponsored by / created by industry or corporate bodies.
NIL

22. Publications:
(i) Research paper: 2
(ii) Books: NIL
(iii) Book Chapters: 1
(iv) Conferences/seminar Proceedings: 1
(v) abstracts in seminar/Conferences: 2
(vi) Translation: 1

List of Publications

Mr. Chandrika Kumar

1. **Kumar,C. 2010.** Review (Sebastian Conrad: Deutsche Kolonialgeschichte. München: Beck 2008, 128 S., kt., 7,90 €). ***German Studies in India; Beiträge aus der Germanistik in Indien.*** Neue Folge Bd. 2/2010. **195-196**. (Iudicium, Germany).
2. **Kumar, C. July 2012.** One Master in Praise of the Other: Stefan Zweig's Account of Charles Dickens. ***eDhvani UoH Journal of Comparative Literature***. (Web/e-journal).
3. **Kumar, C. 2012.** Nazan Eckes' Novel Guten Morgen Abendland: An Account of Emergence of Ethnic Turkish Identity in German Society. Anooradha Chakrabarty Barua & Hemanta Kr. Nath (Ed.). ***Problematics on Ethnicity, Identity & Literature (ISEIL-2012)***. **294-298**. (The Sibsagar College, Joysagar, Assam, India).

4. **Kumar, C. 2014.** Path to the Afterlife (Translation - Writer: Helga Othenin-Girard; Photography: Christian Schaulin). ***Architectural Digest***; **174-183**.
5. **Kumar, C. 2015.** Die Idee der Bildung um 1800 und ihre mögliche Bedeutung für Indien in der Gegenwart. Wolfgang Braungart und Helena Köhler (Hg.). ***Subjekt und Subjektivität 1800 | 1900***. **84-90**. (Iudicium, Germany).

Ms. Jaspreet Kaur Layal

1. **Kaur, J. December 2012.** Die Übersetzung der fantasievollen Kunst des Schreibens: die Erstellung einer interkulturellen Tintenwelt am Beispiel der ins Englische übersetzten Tintenwelt Trilogie von Cornelia Funke. ***German Studies in India.*** (Department of German, Kerala University, Tiruwanantpuram, Kerala, India).

23. Details of patents and income generated

NIL

24. Areas of consultancy and income generated

NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions /in India and abroad

Mr. Chandrika Kumar has participated in several international conferences in India and abroad (Austria, China, and Germany).

Refresher and Orientation Courses:
Mr. Chandrika Kumar attended a Winter School at Doon University and a UGC-ASC Orientation Course at JNU. He received a financial assistance of Rs. 20000/- to take part in the 13th World Congress of German Studies in Shanghai/China.

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

None

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, Training programs and similar programs).

The University encourages the faculty to attend courses/ programs and /or Refresher and Orientation courses. The University also has a system of offering financial assistance amounting to Rs 20,000 in two years to each faculty for attending Conferences, programs, workshops etc.

28. Student projects

- Percentage of students who have completed in-house projects including inter-departmental Projects: All students of batch of 2011-12 translated a German play (Draussen vor der Tuer by Wolfagang Borchert) into Hindi. Apart from this all M.A. final year students write an M.A. dissertation on a topic decided by the student in consultation with the respective guide.

- Percentage of students doing projects in collaboration with other universities/industry/
  Institute: Students of batch 2011-12 took part in a letter-writing project with the students who were learning Hindi at the University of Bonn/Germany

29. Awards / recognitions received at the national and international level by

- Faculty : Mr. Chandrika Kumar was elected the Regional Director of the VDS in India

- Doctoral / post doctoral fellows : NA

- Students : 6 students from the Department have got the DAAD scholarship to visit one month summer course in Germany

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

The Department has been a part of all the three major international conferences (2010, 2011 & 2013) that the School of Languages has organized. Apart from this two translation workshops were organized for the students which were conducted by Prof. Chitra Harshvardhan from JNU (October 2012) and Dr. Rosy Singh from the University of Delhi (April 2015), respectively.
The following Seminars/ Conferences were conducted by the School of Languages.

- International Conference on "Foreign Language Teaching and Intercultural Dialogue" April 11-12, 2013.
- National Seminar on "Understanding Culture through Language, Literature and Cinema" November 25, 2011.
- International Conference on "Folklore and Intangible Cultural Heritage of Uttarakhand" January 19-21, 2011.
- International Film Festival "SOL Screen Cine Fest 2015" with theme Reading Talkies: the city and its changing Landscape from 1st to 3rd. May, 2015.

31. Code of ethics for research followed by the departments:

Plagiarism software has been made available to all In-charges and Faculty members who ask for it.

32. Student profile programme – wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2015-16					
BA Languages	213	10/127	15/86	Continuing	Continuing
MA German	5	3	2	Continuing	Continuing
2014-15					
BA Languages	156	11/92	13/64	Continuing	Continuing
2013-14					
BA Languages	127	7/74	16/53	Continuing	Continuing
2012-13					
BA Languages Passed out in 2015	86	3/38	8/48	67	88
2011-12					
BA Languages Passed out in 2014	120	9/64	8/56	78	100
2010-11					
BA Languages Passed out in 2013	80	4/34	6/46	100	100
MA German Passed out in 2015	NA	NA No student continued	NA 3 students continued	100	67

The numbers of applications received are for School of Languages and the students selected are only for the Department of German Studies. The total no

of students selected in the School of Languages overall including all the departments is much higher.

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2014 (MA)	100%	100%	NIL	NIL
2014 (MA)	100%	100%	NIL	NIL
BA	NA	NA	NA	NA

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category – wise.

NIL

35. Student progression

Students Progression	Percentage against enrolled
UG to PG	33%
PG to M. Phil.	33%
PG TO Ph.D.	NA
Ph.D. to Post -Doctoral	NA
Employed • Campus selection • Other than campus recruitment	 NIL 40%
Entrepreneurs	NIL

36. Diversity of staff

Percentage of faculty who are graduated	
Of the same university	NIL
from other universities within the State	NIL
From university from other State	100%
From university outside the country	NIL

37. Number of faculty who were awarded M. Phil., Ph.D., D.Sc. and D.Litt. during the assessment Period: One

38. Present details of departmental infrastructural facilities with regard to

a) Library
A centralized University Library with text books and reference books. Journals and Magazines related to Germany. Online journals are also available.

b) Internet facilities for staff and students
Wi-Fi connection on the campus Internet facility in the office for teachers and in the Hostel for the students.

c) Total number of class rooms
Five

d) Class rooms with ICT facility
Two classrooms are equipped with ICT facility

e) Students' laboratories
One Multimedia Language Lab

f) Research laboratories
NA

39. List of doctoral, post- doctoral students and Research Associates

- From the host institution / university: NIL
- Form other institutions / university: NIL

40. Number of post graduate students getting financial assistance from the university.

NIL

41. Was any need assessment exercise undertaken before the development of new program?(s)? If so, highlight the methodology.

Before developing any program it is discussed and approved by the Academic Council. The courses are discussed and designed in consultation with Academic Advisory Committee of the Department.

42. Does the department obtain feedback from
a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, As per the feedback from the faculty the course content is discussed and re-evaluated in faculty meeting and then in Advisory Committee meetings and changes are made in the content, bibliography, teaching methodology, etc.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, As per the feedback from the students, the faculty members re-evaluate the teaching methodology, course content, use of teaching material and make required changes.

c. alumni and employers on the programmes offered and how does the department utilize the feedback?
Yes

43. List the distinguished alumni of the department (maximum 10):

NA (The Department is only 5 years old)

44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving external experts.

The Department since its inception has on a regular basis invited experts from the field of German language teaching, German Culture, Literature, Translation, interpretation, Indo-German relations etc to deliver special lectures.

45. List the teaching methods adopted by the faculty for different programmes.

For courses in Bachelor Program the stress is on classroom teaching with student-centric approach. Technology like Multimedia labs, power point presentations, audio-visual aids is incorporated in the teaching.
For courses in Masters Program stress is laid on both classroom teaching and self study. The students are encouraged to carry out individual study and research so as to develop their analytical ability.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Regular faculty meetings are conducted to discuss different courses and the development of the courses and the response of the students. The developments of the courses are discussed with advisory committee members and their expert advice is incorporated.
Student Faculty Committee meets regularly where students and faculty discuss the academic activities of the Department. The Committee also discusses the courses and whether the objectives of the courses are achieved.

47. Highlight the participation of students and faculty in extension activities.

The Students have participated in the "Day of German Language" Celebration organized by the Department. Apart from this the Department has also carried out Educational (Exposure) Trips to University of Mumbai and Indo-German Friendship Society, Goa. The Department has also organized a group visit to a nearby Dudhli Village.

48. Give details of "beyond syllabus scholarly activities" of the department.

Workshops on Translation, language learning, literature, etc. are organized on regular intervals to keep the students updated with new developments in the field.

49. State whether the programme/ department is accredited / graded by other agencies? If yes, give details.

NIL

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Imparting an in-depth knowledge about German culture, literature etc. through various lectures, workshops and extracurricular activities organized by the department. Several experts and speakers are invited for the same from time to time.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths

- Uttarakhand shares great geographical similarities with Austria and to some extent also with Germany. This raises hope that not only the Department, but the entire state can have several types of partnership with Austria and Germany.
- Our regional identity of being the water reserve of northern India, of being a holy land, Yoga Hub, Hill state etc. is our strength. This very identity can bring us a lot of investment, visitors, collaborators and partnerships.
- The only department of German Language in the State of Uttarakhand and even the Northern Himalayan region that offers graduate and post graduate program.
- Many factories and Company offices are being opened in the capital city of Uttarakhand and other places.
- The Department offers a competitive course curriculum that focuses on students needs. The students are exposed regularly to experts in the field of German Studies.

Weaknesses

- The shortage of faculty members.
- Infrastructure not up to date.
- Library needs to be strengthened.

Opportunities

- Being the only German language learning centre in the region, it has a tremendous potential of emerging as a leading centre of German language learning in Uttarakhand.
- The strategic location of the department in the Himalayan region will also provide for ample research opportunities.
- With the new industries coming up and the State focusing on developing its tourism industry, the department will have a lot of opportunities and can play a vital role.

Challenges

- The limited number of faculty members and no positions for recruiting new faculty members is a serious challenge.
- Providing exposure to the students
- Lack of basic resources and research material for carrying out research

52. Future plans of the department.

- To start more collaborative activities with other centres of German Studies in India.
- To establish collaboration with more Universities from Austria and Germany.

1. Name of the Department
Department of Japanese Studies

2. Year of establishment
2013

3. Is the Department part of a School/Faculty of the university?
Yes, Department of Japanese is part of School of Languages.

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

- Integrated Master of Arts in Japanese
- One Year Certificate Course in Japanese

5. Interdisciplinary programmes and departments involved
General courses at U.G. level offered by School of Environment & Natural Resources
and Department of Economics.
Elective courses are offered by School of Languages.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

7. Details of programs discontinued, if any, with reasons:
No program has been discontinued so far.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester System

9. Participation of the department in the courses offered by other departments
General and Elective Courses are offered to the students by other Departments

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst.Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	
Associate Professor	1	0	
Asst. Professors	2	2	
Others			1 Assistant Professor on Contract

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M. Phil. Students guided for the last 4 years
Ms. Deepika Bhatia	MA	Asst. Professor	Japanese Language, Literature & Culture	2 years	None
Mr. Ravi Kumar	MPhil	Asst. Professor	Japanese Language, Literature & Culture	4 years (appox.)	None
Mr. Vishwas Kumar	MA	Asst. Professor (on contract)	Japanese Language, Literature & Culture	3 months	None

12.List of senior Visiting Fellows, adjunct faculty, and emeritus professors

Since the inception, School of Languages had names of renowned scholars associated with it as Visiting Professors or Adjunct Professors.
Prof Minni Sawhney, Delhi University was the Head of School of Languages from January 2012 to December 2013.

Guest Faculty

Ms. Nanako Moriyama (September 2013 – February 2014)
Ms. Izumi Dangwal (March 2014 – March 2015)
Ms. Kaori Takeuchi (April 2014 – May 2014)

13. Percentage of classes taken by temporary faculty – programme-wise information

BA Program
Assistant Professor on Contract- 1
Total No of Courses offered by the Department to the BA Students: 15
Total No of courses taken by temporary faculty: 5
Percentage = 33%

14. Programme–wise Student Teacher Ratio

Indo Japan Elective Course	Five Years Integrated Masters
20:1	21:1

15.Number of academic support staff (technical) and administrative staff: sanctioned, filled and Actual

Staff	Sanctioned	Filled	Actual
Administrative	1 Personal Assistant 3Junior Assistants	1 Office Assistant (Contract)	1 Office Assistant
Academic Support Staff	0	1 Lab Assistant 1 Peon (Contract)	1 Lab Assistant 1 Peon

16. Research thrust areas as recognized by major funding agencies

NIL

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise

NIL

18. Inter- institutional collaborative projects and associated grants received

a) National collaboration NIL
b) International collaboration NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, ALCTIE, Etc.; total grants received.

NIL

20. Research facility /centre with

NIL

21. Special research laboratories sponsored by / created by industry or corporate bodies

NIL

22. Publications:

- Number of papers published in peer reviewed journals (national / international)
- Monographs

- Chapters in Books -1 (By Mr. Ravi Kumar)
- Edited Books
- Books with ISBN with details of publishers
- Number listed in International Database (for e.g. Web of Science, Scopus. Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- H- index

23. Details of patents and income generated

NIL

24. Areas of consultancy and income generated

NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions /in India And abroad

NIL

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

NIL

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

The University encourages the faculty to attend courses/ programs and /or Refresher and Orientation courses. The University also has a system of offering financial assistance amounting to Rs 20,000 in two years to each faculty for attending Conferences, programs, workshops etc.

28. Student projects

- Percentage of students who have done in-house projects including inter- departmental Projects- NIL
- Percentage of students doing projects in collaboration with other universities / industry/Institute- NIL

29. Awards / recognitions received at the national and international level by

- **Faculty**
  Ms Deepika Bhatia visited Japan as supervisor under JENESYS 2.0 Scholarship Programme 2014.
- **Doctoral / post doctoral fellows** : NA

- **Students**

1. Ms. Srishty Naudiyal of B.A. 2nd Year, Won 3rd Prize in National Level Japanese Language Essay Contest organized by Japanese Language Teachers Association of India (JALTAI) in 2015.
2. Mr. S. Bandappa of B.A. 1st Year, Won 2nd Prize in National Level Japanese Language Essay Contest organized by Japanese Language Teachers Association of India (JALTAI) in 2014.
3. Four students of B.A. 2nd Year (Ms. Shakshi Negi, Ms. Kajal Bragta, Mr. Ankit Istwal and Mr. Tarun Negi) visited Japan under JENESYS 2.0 Scholarship Programme in September 2014.

Five students of B.A. 1st Year (Ms. Srishty Naudiyal, Ms. Mohini Paswan, Mr. Sachin Negi, Ms. Sugandh Sharma and Ms. Jyoti Karnatak) visited Japan under JENESYS 2.0 Scholarship Programme in May 2014.

30. Seminars / Conferences /Workshops organized and the source of funding (national/international) with details of outstanding participants, if any

School of Languages organised an International Film Festival "SOL Screen Cine Fest 2015" with theme *Reading Talkies: the city and its changing Landscape* from 1st to 3rd. May, 2015.

31. Code of ethics for research followed by the departments

As stipulated by the Internal Quality Assurance Cell.

32. Student profile programme - wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.A. (2015-16)	213	15 /127	10/86	60%	40%
B.A. (2014-15)	156	11/92	12/64	48%	52%
B.A. (2013-14)	127	7/74	11/53	39%	61%

33. Diversity of students

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BA (2015-16)	NA	NIL	NIL	NIL
BA (2014-15)	NA	NIL	NIL	NIL
BA (2013-14)	NA	NIL	NIL	NIL

34.How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category – wise.

NIL

35. Student progression

Students Progression	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	NA
PG TO Ph.D.	NA
Ph.D. to Post - Doctoral	NA

36. Diversity of staff

Percentage of faculty who are graduated	
Of the same university	0%
from other universities within the State	0%
From university from other State	100%
From university outside the country	0%

37. Number of faulty who were awarded M. Phil., Ph.D., D.Sc. and D.Litt. during the assessment Period-

One (Mr. Ravi Kumar has been awarded M.Phil)

38. Present details of departmental infrastructural facilities with regard to

a) Library

University Central Library with text books and reference books

b) Internet facilities for staff and students

Wi-Fi connection on the campus internet facility in the office for teachers and in the Hostel for the students

c) Total number of class rooms

Three

d) Class rooms with ICT facility

All the classes are equipped with projectors and Wi-Fi Internet connection.

e) Students' laboratories

One Multi Media Language Laboratory.

f) Research laboratories
NIL

39. List of doctoral, post- doctoral students and Research Associates

NIL

40. Number of post graduate students getting financial assistance from the university.

NIL

41.Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Before developing any program it is discussed and approved by the Academic Council. The courses are discussed and designed in consultation with Academic Advisory Committee of the Department.

42. Does the department obtain feedback from
a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, The IQAC of the University collects and evaluates the student feedback one at the end of each semester. Based on the response, steps are taken to strengthen the teaching and learning process. Classroom discussions are held and steps for implementation of the suggestions/ outcome are taken.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Feedback from the students is conducted by the IQAC of the University. It is discussed thoroughly and objectively. Modifications/amendments are done in the methodology, course content, and the material used based on the feedback.

c. alumni and employers on the programmes offered and how does the department utilize the feedback?

The feedback from Alumni is obtained and is incorporated in designing of new courses or during modification of existing ones.

43. List the distinguished alumni of the department (maximum 10)

NIL

44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving External experts.

Special Lectures by:

1. 2014- Professors from Jawaharlal Nehru University (JNU), New Delhi
2. 2014 - Professors from Delhi University (DU), New Delhi
3. 2013 - Professors from Jawaharlal Nehru University (JNU), New Delhi
4. 2013 - Professors from Delhi University (DU), New Delhi
5. 2013- Lecture by Yasujiro Takei, Japan Foundation, New Delhi

Cultural Programmes:
Japanese Cultural Programme, 2015
Japanese Cultural Fest 2015
Japanese Drum Live Performance "Wadaiko" by artists from Japan, 2014

45. List the teaching methods adopted by the faculty for different programmes

Classroom teaching
Use of Projectors
Use of Flash cards, pictorial charts etc
Multimedia Labs
Presentations through PPT
Educational tours/study tours
Cultural Programmes
Movie/cultural videos screening
Special Lectures

46. How does the department ensure that program objectives are constantly met and learning Outcomes are monitored ?

Learning outcomes are monitored through Class test, assignments, Homework submission, presentations, and examinations and are reviewed periodically through weekly meetings with the faculty.
The developments of the courses are discussed with advisory committee members and their expert advice is incorporated.

47. Highlight the participation of students and faculty in extension activities.

Students

Participated in Japanese Cultural Programme 2015
Educational tour to JNU, New Delhi for participation in Japanese Language Speech Contest North Zone (2015)
Participated in Japanese Fest “DokiDoki-2015”
Participation in All India Japanese Language Essay Contest (2014)
Educational tour to The Japan Foundation, New Delhi (2014)
Educational tour to JNU, New Delhi for participation in Japanese Language Speech

Contest North Zone (2014)
Participated in Japanese Fest "DokiDoki-2014"
Participation in All India Japanese Language Essay Contest (2013)

Faculty

1. Ms. Deepika Bhatia

Organized Japanese Cultural Programme 2015
Accompanied students to JNU for Japanese Language Speech Contest 2015
Organized Japanese Fest "DokiDoki – 2015"
Organized Japanese Drum Live Performance "Wadaiko" 2014 in collaboration with The Japan Foundation, New Delhi
Organized Japanese Fest "DokiDoki – 2014"
Accompanied students to JNU, New Delhi for Japanese Language Speech Contest 2014
Accompanied students to New Delhi, for Japanese Language Speech Contest 2013
Accompanied students to The Japan Foundation, New Delhi, 2013

2. Mr. Ravi Kumar

Visited Mothrowala Village twice under the 'The Swasth Bharat – Swasth Bharat Abhiyan' in 2015.
Coordinated in Japanese Fest "DokiDoki – 2015"
Coordinated in Japanese Fest "DokiDoki – 2014"

48. Give details of "beyond syllabus scholarly activities" of the department.

Special Lectures, Assignments, participation in academic competitions, Movie screenings, outdoor educational visit/tour etc.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details.
NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or Applied.

Imparting an in-depth knowledge about Japanese culture, literature etc. through various lectures, workshops and extracurricular activities organized by the department. Several experts and speakers are invited for the same from time to time.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths

- Young qualified and committed faculty.
- Innovative curriculum designed by experts from Jawaharlal Nehru University (JNU).
- Good teacher student relationship.
- Doon University is the only University in Northern India offering courses in Japanese language after JNU, New Delhi.
- Offering job oriented Certificate course in Japanese Language.
- In view of the "Indo Japan Strategic partnership", Japanese language will have an immense scope in the near future.

Weakness

- As young Department, lack of senior faculty.
- Students from non English medium/background with little exposure to English.
- Lack of awareness in the region about foreign language courses.
- Lack of awareness in the public regarding demand, scope and job opportunities in the field of foreign languages

Opportunities

- High demand for foreign language experts especially in Japanese language in view of the emerging trends in Indo Japan relationship in recent years.
- Good scope for more intake of students from Uttarakhand and outside as there are very few Universities offering Japanese language course.
  Less no. of students pursuing Japanese language courses against high demand of Japanese language experts in the job market.
- Knowledge of Japanese language opens gate for higher studies / specialized courses such as Robotics, Animation, Engineering etc in Japan.
- Good employment opportunities in upcoming future projects like Kyoto Varanasi project, Bullet train, Delhi Mumbai Industrial Corridor (DMIC), Metro projects etc.

Challenges

- To strive towards making the Department a centre of excellence.
- To impart up to date knowledge to students to meet the global challenges in coming years in knowledge industry.
- To provide job oriented education in order to make the students employable.
- To impart education to mixed ability group of students.
- To make the school and colleges of the region aware of the foreign language courses offered by the University.

52. Future plans of the department.

- Increase required no. of faculty in coming years.
- To set up infrastructure for research activities to generate new knowledge.
- To plan for more Japanese industrial / commercial tours to expose students to various latest working style, environment &technology related to their learning.
- To equip the students with soft skills and provide personality development programmes.

1. Name of the Department
Department of English

2. Year of establishment:
2014

3. Is the Department part of a School/Faculty of the university?
Yes, Department of English is part of School of Languages, Doon University.

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

Master of Arts in English

5. Interdisciplinary programmes and departments involved
The Department routinely undertakes interdepartmental activities like SOL-Dialogue, SOL- Expressions and SOL-Screen. Active participation is also undertaken in Seminars and Conferences conducted by other departments within the School of Languages as well as in Seminars conducted by other schools like the School of Social Sciences.
The faculty takes an avid academic interest in allied fields like Women's Studies and issues of contemporary significance like Human Rights issues, ecological issues as well as issues concerning international literary-cultural relations.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
We currently do not offer any course in collaboration with other universities and institutions though we constantly seek such opportunities especially in relation to the oral and literary indigenous cultures of Uttarakhand both in terms of local research as well as national and international cross-cultural exchange.

7. Details of programs discontinued, if any, with reasons
No program has been discontinued so far.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester System

9. Participation of the department in the courses offered by other departments
NIL

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst.Professors/others)

	Sanctioned	Filled
Professor	0	0
Associate Professor	1	0
Asst. Professors	1	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PH.D./M.Phil. students guided
Ms. Richa Joshi Pandey	M.A.	Assistant Professor	Indian Writing in English	2 year (appox.)	NIL
Dr. Andhruti Shah Rathi	Ph D	Assistant Professor	British Literature	6 years (appox.)	NIL

12. List of senior Visiting Fellows, guest lecturers, adjunct faculty, emeritus professors (including present and past associations)

Senior Advisory Council Members:

- Prof. D.R. Purohit, H.N.B.G.U., Srinagar
- Prof. Shrawan Sharma, Gurukul Kangri University, Haridwar

List of eminent scholars who have visited/visit often to deliver lectures.

S. No.	List of senior professors and Research Scholars as Guest Faculty
1.	Retd. Prof. Jaywanti Dimri, H.P. University
2.	Prof. Saugata Bhaduri, JNU
3.	Prof. GJV Prasad, JNU
4.	Prof. Kamala, JNU
5.	Dr. Prabha Pant, Associate Professor, HNBGU, Tehri Campus
6.	Dr. Arun Pant, Associate Professor, HNBGU, Tehri Campus
7.	Ms. Ashima Shravan, Research Scholar, Gurukul Kangri University, Haridwar

Advisory Council Meeting: Prof. D.R. Purohit, H.N.B.G.U., Srinagar and Prof. Shrawan Sharma, Gurukul Kangri University, Haridwar were invited for an Advisory Council meeting on 31-03-15. They, along with Richa Joshi Pandey and Dr. Andhruti Shah Rathi, attended the meeting wherein the current syllabus was recommended for approval by the Academic Council which in turn approved the syllabus in its meeting on 24th June, 2015.

13. a) Percentage of classes taken by temporary faculty

Approximately 35%

b) Percentage of classes taken by permanent faculty

Approximately 65%

14. Student Strength and Student-Teacher Ratio

The Student teacher ratio per batch is 1:3

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff	Sanctioned	Filled	Actual
Administrative	1 Personal Assistant 3Junior Assistants	1 Office Assistant (Contract)	1 Office Assistant
Academic Support Staff	0	1 Lab Assistant 1 Peon (Contract)	1 Lab Assistant 1 Peon

16. Research thrust areas as recognized by major funding agencies

NIL

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise

NIL

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration NIL
b) International collaboration NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

NIL

20. Research facility / centre with /State recognition /National recognition /International recognition

NIL

21. Special research laboratories sponsored by / created by industry or corporate bodies

NIL

22. Publications:

- Number of papers published in peer reviewed journals (national / international): NIL
- Monographs: NIL
- Chapters in Books: 2

- Edited Books: 1
- Books with ISBN with details of publishers: NIL
- Number listedin International Database (for e.g. Web of Science, Scopus. Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.): NIL
- Citation Index - range / average: NIL
- SNIP: NIL
- SJR: NIL
- Impact Factor - range / average: NIL
- H- index: NIL

23. Details of patents and income generated

NIL

24. Areas of consultancy and income generated

NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

None

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

None

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, Training programs and similar programs).

The University encourages the faculty to attend courses/ programs and /or Refresher and Orientation courses. The University also has a system of offering financial assistance amounting to Rs 20,000 in two years to each faculty for attending Conferences, programs, workshops etc.

28. Student projects

All students at PG level (provided they fulfil the minimum eligibility criteria recommended by the Department's Advisory Committee) are encouraged to undertake dissertational research work amounting to 4 credits in partial fulfilment of their Master's degree.

Percentage of students who are doing in-house projects including inter-departmental projects:100 %

Percentage of students doing projects in collaboration with other universities / industry / institute: 0 %

29. Awards / recognitions received at the national and international level by

NIL

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

The Department helped co-organize "SOL Screen Cine Fest 2015" themed Reading Talkies: the city and its changing Landscape from 1st to 3rd. May, 2015. The Department screened the movie Lincoln, followed by a talk on the same by Ms. Richa Joshi Pandey on 2nd May, 2015.

31. Code of ethics for research followed by the departments

As stipulated by the Internal Quality Assurance Cell.

The University encourages theoretically grounded original research and shows poor tolerance for plagiarism. The Department actively encourages the use of anti-plagiarism software, made available by the University.

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Application received	Selected		Pass percentage
		Male	Female	
MA (2014-15)	17	00	06	Continuing
MA (2015-16)	19	00	06	Continuing

33. Diversity of Students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA	0	17	83	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

NIL

35. Student progression

NIL

36. Diversity of staff

Percentage of current faculty members who are graduates	
of the same university	0
from other universities within the State	100
from universities from other States from	0
universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

NIL

38. Present details of departmental infrastructural facilities with regard to

a) Library

The University's Central Library provides an access to e-resources such as J-Stor and several e-journals apart from a rich supply of curricular books including reference material.

The Department seeks to develop a specialized library for the Department's own research work. This is meant to benefit students in enhancing and energizing their own research interests.

b) Internet facilities for staff and students

The campus is Wi-Fi enabled. The classes are equipped with projectors as well.

c) Total number of class rooms

Two

d) Class rooms with ICT facility

All classrooms are equipped with ICT facility.

e) Students' laboratories

A computer lab with 30 terminals and relevant software is available.

f) Research laboratories

Not Applicable.

g) Other facilities:

- The University's Conference Hall, Senate Hall and Court Room, which are physically and acoustically well-equipped venues for conducting workshops, conferences, lectures and panel discussions.
- The showcasing of classic movies, especially for the elective course on Film Studies in the Fourth Semester.
- University vehicles for undertaking educational trips.

39. List of doctoral, post-doctoral students and Research Associates

NIL

40. Number of post graduate students getting financial assistance from the university.

NIL

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Before developing any program it is discussed and approved by the Academic Council. The courses are discussed and designed in consultation with Academic Advisory Committee of the Department.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

All faculty members through their participation in the Staff meetings of the Department, Academic Advisory Board (in which all the faculty members and some external members nominated by the Hon'ble Vice Chancellor are members), Representation to IQAC as well as representation in the Academic Council do provide regular feedbacks on the curriculum as well as teaching learning evaluation. Department follows the instructions and the decisions of the AC and submits action taken reports before each AC meeting.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

IQAC of the university through its formal feedback system undertakes feedback surveys on all the courses undertaken by the Department. The survey also contains questions on the quality of teaching and performance of the faculty members associated with the course. IQAC as well as the office of the Hon'ble Vice Chancellor suggests specific instructions to respective faculty members based on the results of the survey.

c. alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, The feedback from Alumni is obtained and is incorporated in designing of new courses or during modification of existing ones.

43. List the distinguished alumni of the department (maximum 10)
NA

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts

Eminent Scholars are invited regularly to deliver special lectures. Details of lectures are as follows:

1. **Retd. Prof. Jaywanti Dimri**, H.P. University, Shimla conducted a series of lectures on British Drama and British Novel.
2. **Prof. Saugata Bhaduri,** Centre for English Studies, School of Language, Literature and Cultural Studies, Jawaharlal Nehru University, New Delhi delivered three lectures on "Northrop Frye" on 28-02-2015.

3. **Prof. N. Kamala**, Centre for French and Francophone Studies, School of Language, Literature and Cultural Studies, Jawaharlal Nehru University, New Delhi delivered series of six lectures on topic "Translation and Gender" on 16th and 17th of April 2015**.**

4. **Prof. G. J. V. Prasad**, Centre for English Studies, School of Language, Literature and Cultural Studies, Jawaharlal Nehru University, New Delhi delivered series of six lectures on topic "Translation Studies in India" on 16th and 17th of April 2015.

5. **Prof. Arun Pant,** School of Arts, Communication and Language, Department of English, Modern European and other Foreign Languages, Tehri Campus, H.N.B Garhwal University, Srinagar delivered series of twelve lectures from 30th October to 3rd of November 2015.

6. **Prof. Prabha Pant,** School of Arts, Communication and Language, Department of English, Modern European and other Foreign Languages, Tehri Campus , H.N.B Garhwal University, Srinagar delivered series of twelve lectures from 17th to 20th of November 2015.

7. **Ashima Sharvan**,Research Scholar, Gurukul Kangri University, Haridwar delivered series of ten lectures on topic "Mricchakatikam" and " Mahabharata Bhishma Parva" from 13th to 16th of October 2015.

45. List the teaching methods adopted by the faculty for different programs
Classroom Learning including regular lectures and tutorials along with power point presentations, student seminars and debates, assignments involving participation of students in different activities like lectures(on invitation) in specialized areas that may be conducted by other universities, elective and

specialized courses, conferences and seminars for presenting papers as well as dissertations and research work.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Monitoring Mechanism: Ensured through IQAC

Student Faculty Committees: Each batch of students has representatives for SFC. Regular meetings are conducted involving these student-representatives and faculty members to review the departmental activities.

Faculty Advisories: Faculty members act as advisors/mentors and help students in shaping their careers as well as in solving academic or other problems faced by students.

47. Highlight the participation of students and faculty in extension activities

Students

1. The students of Department of English participated in a series of lectures by Prof. Kapil Kapur on the topic of "Indian Poetics and Bhartrihari" held by the Department of English, Gurukul Kangri University, Haridwar on 1st April 2015.
2. Anubhuti Dhyani, Pragya Malla, Pratika Talwar, students of M.A English, presented a paper on "*Tempest* as a critique of colonialism" on the annual academic and cultural event Dia del Libro themed "Cervantes & Shakespeare" organized by Dept. of Spanish Studies held on 23rd April to 24th April at Doon University, Dehradun.

Faculty

1. Richa Joshi Pandey, presented a paper on "Shakespeare and India- A Historical Ectimate " on the annual academic and cultural event Dia del Libro themed "Cervantes & Shakespeare" organized by Dept. of Spanish Studies held on 23rd April to 24th April at Doon University, Dehradun.

48. Give details of "beyond syllabus scholarly activities" of the department

Please refer to Section 47.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

NIL

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied

Imparting an in-depth knowledge about English literature and world through various lectures, workshops and extra-curricular activities organised by the department. Several experts and speakers are invited for the same from time to time.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths

- Young, energetic and enthusiastic faculty members
- Encourages applications for admission in the department.
- The Department lays special emphasis on and seeks to undertake research in various aspects of English Studies in India including Indian Writing in English, Translated (into English) works of regional Indian writers, Indian Poetics, Gender Studies along with Women's Studies(as a specialized area) as well as Diaspora Studies.
- It aims at developing a competitive and keen academic environment that helps nurture every student individually, instilling the confidence to achieve her/his best, while keeping abreast of the latest national and international developments in literature and theory.

Weaknesses

- Inadequate number of faculty members with diverse research interests for further research based activities.

52. Future plans of the department

We aspire to work towards achieving the status of being a Centre of Excellence in times to come. The Department seeks to conduct research and development in various spheres of English Literature, language and Culture Studies. Thrust areas would also include conducting original research and evolving foundational theory in Indian Writing in English along with a study of writings from Uttarakhand and adjoining areas translated into English.

1. Name of the Department:
Department of French Studies

2. Year of establishment:
2014

3. Is the Department part of a School / Faculty of the university?
Yes , School of Languages

4.Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Litt., etc.)

- Integrated Master of Arts in French
- One year certificate course in French

5. Interdisciplinary programmes and departments involved:
The Bachelors program is multidisciplinary in nature where courses from other departments like School of Environment and Natural Resources and Economics Department are offered to the students as General or Elective courses.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

7. Details of programmes discontinued, if any, with reasons
NIL

8. Examination System: Annual /Semester / Trimester / Choice Based Credit System
Semester

9. Participation of the department in the courses offered by other departments
Elective course and optional courses offered from the School of Languages, Department of Economics, School of Environmental Science, School of Social Science

10. Number of teaching posts sanctioned, filled and actual (Professors /Associate Professors /Asst. Professors/ others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor			
Associate Professor			
Asst. Professors	2		
Others		2 (on contract)	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PH.D./M.Phil. students guided for the last 4 years
Mr. Varun Dev Sharma	MPhil	Asst. Professor	French Linguistics, French and Francophone Culture, and Intercultural studies, didactics, translation and interpretation	6	None
Ms Shubhra Kukreti	MA	Asst. Professor	French Linguistics, French and Francophone Literature, French and Francophone Culture	2	None

12. List of senior Visiting Fellows, adjunct faculty, and emeritus professors

The following experts have visited/visit regularly for the purpose of delivering lectures or as Advisory Committee members

- Dr. AshishAgnihotri, JNU
- Prof. N. Kamala, JNU
- Prof. Olivier Arifon, Free University of Brussels, Belgium
- Ms Julie David, JNU
- Prof. Jean-Marc Defays, University of Liege, Belgium
- Prof. Laurence Wéry, University of Liege, Belgium
- Ms Roxane Lombardo, Alliance française de Dehradun

13. Percentage of classes taken by temporary faculty – programme-wise information

100% courses taken by the temporary faculties

14. Programme-wise Student Teacher Ratio

Five Years Integrated Course
15:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and Actual

Staff	Sanctioned	Filled	Actual
Administrative	1Personal Assistant 3Junior Assistants	1Office Assistant (Contract)	1Office Assistant
Academic Support Staff	0	1 Lab Assistant 1 Peon (Contract)	1 Lab Assistant 1 Peon

16. Research thrust areas as recognized by major funding agencies

NIL

17. Number of faculty with ongoing projects from a) national b) international funding agencies a And c) Total grants received. Give the names of the funding agencies, project title and Grants received Project - wise.

NIL

18. Inter-institutional collaborative projects and associated grants received

- National Collaboration NIL
- International collaboration NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, ALCTIE, Etc.; total grants received.

NIL

20. Research facility/centre with

- State recognition NIL
- National recognition NIL
- International recognition NIL

21. Special research laboratories sponsored by / created by industry or corporate bodies.

NIL

22. Publications:

- Number of papers published in peer reviewed journals (national / international): 1
- Monographs: NIL
- Chapters in Books: 1
- Edited Books: NIL
- Books with ISBN with details of publishers: NIL
- Number listed in International Database (for e.g. Web of Science, Scopus. Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.): NIL
- Citation Index- range / average: NIL
- SNIP: NIL
- SJR: NIL
- Impact Factor – range / average: NIL
- H- index: NIL

List of Publications

Mr. Varun D. Sharma

1. **Sharma, V. D. 2014.** Le paysage spirituel de l'Himalaya : une perspective française, ***Développement social et interculturalité* : *un regard croisé, (ed.)*** Abhijit Karkun & Elaine Costa-Fernandez, **201-209** (L'Harmattan, Paris). ISBN : 978-2-343-04689-1.

23. Details of patents and income generated

NIL

24. Areas of consultancy and income generated

NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions /in India and abroad

Faculty selected by Fédération Wallonie-Bruxelles, Government of Belgium, for teachers' training programme in University of Liège, Belgium.

26. Faculty serving in

- National committees NIL
- International committees NIL
- Editorial Boards NIL
- any other (please Specify) NIL

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, Training programs and similar programs)

The University encourages the faculty to attend refresher/orientation courses, training programmes and workshops.

28. Student projects

- Percentage of students who have done in – house projects including inter- departmental
  Projects**:** To be carried out at Masters level
- Percentage of students doing projects in collaboration with other universities / industry/Institute N.A.

29. Awards / recognitions received at the national and international level by

- Faculty NIL
- Doctoral / post doctoral fellows NIL
- Students NIL

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

NIL

31. Code of ethics for research followed by the departments

All the faculty members are provided with anti-plagiarism software through INFLIBNET in order to produce original work.

32. Student profile programme – wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG 1st year (2015 - 2016)	213	7	17	Continuing	Continuing
UG 2nd year (2014 - 2015)	213	4	9	Continuing	Continuing

*The numbers of applications received are for School of Languages and the students selected are only for the Department of French Studies. The total no of students selected in the School of Languages overall including all the departments is much higher.

33. Diversity of students

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG 1st year	100%	Nil	Nil	Nil

UG 2nd year	100 %	Nil	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category - wise.

NIL

35. Student progression

Students Progression	Percentage against enrolled
UG (1st year to 2nd year)	100%
UG to PG	In 2017
PG to M. Phil.	0%
PG TO Ph.D.	0%
Ph.D. to Post – Doctoral	0%
Employed • Campus selection • Other than campus recruitment	0%
Entrepreneurs	0%

36. Diversity of staff

Percentage of faculty who are graduated	
Of the same university	Nil
from other universities within the State	Nil
From university from other State	100%
From university outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

1 Ph D holder

38. Present details of departmental infrastructural facilities with regard to

a) Library

A centralized University Library with text books and reference books. Journals and Magazines related to French. Online journals are also available.

b) Internet facilities for staff and students

Wi-Fi connection on the campus Internet facility in the office for teachers and in the Hostel for the students.

c) Total number of class rooms

Two

d) Class rooms with ICT facility

Two classrooms are equipped with ICT facility

e) Students' laboratories
One Multimedia Language Lab

f) Research laboratories
NA

39. List of doctoral, post- doctoral students and Research Associates

- From the host institution / university NIL
- Form other institutions / university NIL

40. Number of post graduate students getting financial assistance from the university.
NIL

41. Was any need assessment exercise undertaken before the development of new programme? (s)? if so, highlight the methodology.
Before developing any program it is discussed and approved by the Academic Council. The courses are discussed and designed in consultation with Academic Advisory Committee of the Department.

42. Does the department obtain feedback from
a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
Yes, the department takes the feedback and suggestions from the faculty members and experts and put them forward to the Academic Advisory Committee of the department for the consideration.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Yes, the students' feedback is taken into account and the department tries to incorporate all the suggestions to make its curriculum more inclusive and learner orientated.

c. alumni and employers on the programmes offered and how does the department utilize the feedback?
Yes, The feedback from Alumni is obtained and is incorporated in designing of new courses or during modification of existing ones.

43. List the distinguished alumni of the department (maximum 10)
NIL

44. Give details of student enrichment programmes (special lectures/workshops /seminar) involving external experts.
Since its inception, the Department has organised various lectures and workshops involving external experts on the following topics:
French New Wave cinema
Scope and prospects of French Studies
Translation studies

Techniques of written expression
French through games
International relations (France-India)
France and European Union

Workshops organised in collaboration with the University of Liège and Wallonie-Bruxelles International, Belgium:
European art
Idiomatic Expressions
Didactics of French as a foreign language
Teaching and learning of foreign languages in a plurilingual and multicultural world
Contemporary oral French
Belgicismes
Francophone culture of Belgium, etc.

45. List the teaching methods adopted by the faculty for different programmes.

Learner oriented methodology
Communicative and task based approaches
Use of ICT methodologies.

46. How does the department ensure that program objectives are constantly met and learning Outcomes are monitored?

Evaluation of course content by students and teachers
Auto-evaluation by the students
Internal and external assessment of students
Feedback/recapitulation of each course at the end of the semester.

47. Highlight the participation of students and faculty in extension activities.

Activities based on extensive interaction between teachers-students and students-students.

48. Give details of "beyond syllabus scholarly activities" of the department.

Annual World Francophone Day to promote French language and Francophone cultures, Movie screenings, Book festival (lire en fête), Celebration of festivals of Francophone nations to motivate learning and to impart extra-scholastic awareness. Various educational/field trips organised to encourage learning in real and authentic situations, outside the classroom.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give Details.

N.A.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Imparting an in-depth knowledge about French and Francophone world through various lectures, workshops and extra-curricular activities organised by the department. Several experts and speakers are invited for the same from time to time.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths

- Well experienced and internationally trained teachers
- Well planned up-to-date course curriculum which dwells upon the importance of vocational and professional needs of the learners
- Latest methodologies of learning and teaching implemented
- Active in organising lectures and workshops by external experts and extra-curricular activities related to Francophone world.
- Support from national and international institutions

Weaknesses

- Lack of permanent faculty members
- Lack of study material

Opportunities

- Since the Department of French Studies is the only full fledge department in the Himalayan region offering degree courses, there is an immense scope for it to become an extensive research centre of the Himalayan region and Francophone world.
- Growth of tourism sector
- Development of economic ties of the region with Francophone world, especially with France
- French companies will set up some renewable energy plants in the region
- Number of Francophone African nations have collaborated with the local pharmaceuticals companies.

Challenges

- Recruitment of permanent faculty members
- More exposure to the students
- Making the Department more visible and a centre of excellence in the field of French and Francophone studies

52. Future plans of the department.

- To introduce PG courses and research based courses.
- To develop inter-disciplinary courses with other departments.
- To collaborate with other departments within the university and other French departments around India such as Alliance française and CFFS, JNU.
- To incorporate more vocational courses at departmental level (International relations, French for mass and media, French for fashion and design, etc) and courses on Francophone literatures.
- To initiate exchange programmes for faculties and students with University of Liège, Belgium.

- To form MoUs with Wallonie-Bruxelles International, Belgium and universities of France and Canada.
- To organise International seminars on French and Francophone studies.

Evaluative Report

School of Social Sciences (Department of Economics, Center for Public Policy)

1. Name of the Department:

Department of Economics, School of Social Sciences.

(Note: As per the DPR of the university the School has three departments under its purview. Department of Economics, Department of Social Work and Department of Psychology. However, only one department is on operation since 2010**)**

2. Year of establishment:

July 2010

3. Is the Department part of a School/Faculty of the university?

Yes, Department of Economics is part of School of Social Sciences, Doon University

(Note: However, as per the mandate of the University, all the departments and schools ought to foster interdisciplinary learning and research. Therefore, although the Department of Economics is operationally governed as a part of School of Social Sciences, in the academic front, it supports and takes support from other departments and Schools such as School of Management, School of Environment and Natural Resources, School of Languages and School of Communication.**)**

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

The School currently offers three programmes as below.

a) MA Economics -Two Years (Intake Capacity-20): *Eligibility for Admission –through University Entrance after a Bachelor's Degree from any recognized University*
b) MSc Economics -Five Years Integrated (Intake Capacity-60): *Eligibility for Admission –through University Entrance after a 10+2 Degree from any recognized Board*
c) MPhil/PhD in Economics (Intake Capacity-3): *Eligibility for Admission – through University Entrance after a Master's Degree from any recognized University*

5. Interdisciplinary programmes and departments involved`

At the current juncture, no academic discipline can remain truly isolated from other disciplines and the Department of Economics is no exception. Some elements of such inter disciplinary nature of the programmes and courses are as below.

Mathematics, Statistics and Computers: Economics curriculum contains a significant coverage of quantitative techniques that require skills in mathematics, statistics and computation. Therefore, it becomes necessary for the department to rely of experts with these background both from other schools of the University as well as from outside the university.

Environmental Economics: As per the mandate of the Supreme Court, all academic disciplines need to run courses in environmental studies. So, the faculty members of SENR run this course for the Dept of Economics.

Discrimination Studies: In order to teach courses like Discrimination Economics and Gender Economics, experts from outside are often sought.

Management: In order to run courses like business forecasting, financial economics and business economics, faculty members from School of Management are involved.

Foreign Languages: Given the value addition with knowledge of foreign languages, students often take courses in foreign languages either in the School of Languages or the faculty members from SOL is invited to take lectures in the School of Social Sciences.

Some efforts are in pipeline to introduce interdisciplinary programmes such as Actuarial Economics, Social Work etc, to be jointly run by several schools and departments.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

We currently do not run any course in collaboration with other universities and institutions. But we are proactively looking for such opportunities.

Moreover, our faculty members are engaged as co-supervisors in guiding PhD and research scholars from other universities as well. (Please refer to **Section 39** for more details)

7. Details of programmes discontinued, if any, with reasons:

No programmes hav e been discontinued so far.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester system

(Note: The Department of Economics has adapted the course structure and credit distribution systems according to model CBCS (choice based credit systems) as proposed by UGC. However, the specialization courses have their own syllabus as per the mandate of the Academic Advisory Board and the Academic Council.)

9. Participation of the department in the courses offered by other departments

Students can opt for courses from other department as zero credit courses. Faculties of the departments are occasionally involved in teaching specific courses run by other Departments. A list of such courses and the operating Department are as below.

Course Title	Operating Department
Indian Economy Since 1947	School of Languages
Environmental Economics	School of Environment and Natural Resources
Business Statistics	School of Management
Managerial Economics	School of Management

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	-	-
Associate Professors	2	-	-
Asst. Professors	2	2	2
Others		2	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PH.D./M.Phil. students guided for the last 4 years
Dr. Sibasankar Mohanty	PhD	Assistant Professor	Mathematical Economics, Econometrics, Development Economics	5+ at Doon University (10+ years overall)	PhD Scholars: 1 (ongoing) MPhil Scholars: 2 (Ongoing)
Dr. Manoj Bhatt	PhD	Associate Professor (Visiting)	Econometrics, Development Economics, Mathematical Economics	< 1 year at Doon University (10+ years overall)	PhD Scholars: 2 (ongoing) MPhil Scholars: 2 (Ongoing)
Ms. Sikha Ahmad	MSc	Assistant Professor	Mathematical Economics, Econometrics	4+ at Doon University	None
Dr. Madhu Bisht	PhD	Assistant Professor (on contract)	Mathematical Economics, Econometrics, Development Economics	4+ at Doon University	None
Ms	MA	Assistant	Money and	2+ at	None

Ramanpreet Kaur Nayyar		Professor (on contract)	Banking	Doon University	
Ms. Jagriti Jaiswal	MBE	Assistant Professor (on contract)	Statistics/ Mathematics	2+ at Doon University	None

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors (including present and past associations)

Sl.No.	List of senior Visiting Fellows, adjunct faculty, emeritus Professors
1.	Dr. Manoj Bhatt, Associate Professor (Visiting)
2.	Prof. Girijesh Pant, Former VC, Doon University (visiting)
3.	Dr. B.K.Joshi (Adjunct), Former VC. Kumaun University
4.	Prof. Manoj Pant (Adjunct), CITD/SIS/JNU
5.	Prof. S.P.Singh (Adjunct) , IIT Roorkee
6.	Prof. Purna Samantha, University of Zambia (visiting)
7.	Dr. Praveen Jha, (Adjunct) JNU New Delhi
8.	Prof. T. S. Papola, (Adjunct), ISID, New Delhi
9	Dr. Ruchi Badola (Adjunct), WII, Dehradun

13. Percentage of classes taken by temporary faculty – programme-wise information

MA Economics (Two Years)	MSc Five Years Integrated	M.Phil/PhD in Economics
60 % (Approximate)	70% (Approximate)	10-20 % (Approximate)

14. Programme-wise Student Teacher Ratio

MA Economics (Two Years)	MSc Five Years Integrated	M.Phil/PhD in Economics
7:1	24:1	2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual (including CAS & MPS)
Academic support staff (technical)	1		
Administrative staff	1		1

16. Research thrust areas as recognized by major funding agencies

Research Thrust Areas	Funding Agencies
Development Economics	GIZ-Germany, Government of Uttarakhand

Economics of Education	Pratham Education Foundation
Environmental Statistics	Government of Uttarakhand
Official Statistics	Government of Uttarakhand
Research Methodology	ICSSR, Government of Uttarakhand

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sl. No.	Title of the Grant Project/Consultancy	Nature of Grant	PI/Co-PI/ Convener	Sponsoring Agency	Grant Received/ Mobilised
1	Economic Loss in Disasters and the Differentiated Impact on the Well-being of Social Groups: Developing a Methodological Tools for Loss and Impact Assessment in the context of Uttarakhand-2013 Natural Disaster Period of Project 2015-17	Research	Dr. Siba Sankar Mohanty	ICSSR	20 Lakhs

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Sl. No.	Title of the Grant Project/Consultancy	Nature of Grant	Level of Collaboration	Sponsoring Agency	Grant Received/Mobilised
1	Political Economy of Building a New State	Research	International	GIZ-Government of Uttarakhand	10 Lakhs
2	Two Decades of Economic Liberalisation	National Seminar/ Conference	International	GIZ/ ICSSR	5 lakhs
3	External Evaluation of Read India Programme	Research	National	Pratham Education Foundation	0.5Lakhs
4	Performance of Agricultural Produce Market Committees in Enhancing Agribusiness in Uttarakhand	Research	International	GIZ-Germany	0.66 Lakhs
5	Economic Loss in Disasters and the Differentiated Impact on the Well-being of Social Groups: Developing a Methodological Tools for Loss and Impact Assessment in the context of Uttarakhand-2013 Natural Disaster	Research	National	ICSSR	20 Lakhs
6	Third Northern Regional Social Science Congress	National Conference / Seminar	National	ICSSR	10 Lakhs
7	Refresher Cum Capacity Building of ADSOs on Official Statistics	Consultancy for Training/ Capacity Building	National	Directorate of Economics and Statistics, Government of Uttarakhand	6 Lakhs
8	Policy Making & Environment Statistics for	Training/ Capacity Building	National	Directorate of Economics and Statistics,	3.18 lakhs

	Sustainable Development			Government of Uttarakhand	

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sl. No.	Title of the Grant Project/Consultancy	Nature of Grant	PI/Co-PI/ Convener	Sponsoring Agency	Grant Received/Mobilised
1	Two Decades of Economic Liberalisation	National Seminar/ Conference	Prof. D. Jagannathan	GIZ/ ICSSR	5 lakhs
2	Economic Loss in Disasters and the Differentiated Impact on the Well-being of Social Groups: Developing a Methodological Tools for Loss and Impact Assessment in the context of Uttarakhand-2013 Natural Disaster	Research	Dr. Siba Sankar Mohanty	ICSSR	20 Lakhs
3	Third Northern Regional Social Science Congress	National Conference/ Seminar	Prof. Kusum Arunachalam	ICSSR	10 Lakhs
4	Refresher Cum Capacity Building of ADSOs on Official Statistics	Consultancy for Training/ Capacity Building	Dr. Siba Sankar Mohanty/ Dr. Madhu Bisht	Directorate of Economics and Statistics, Government of Uttarakhand	6 Lakhs
5	Policy Making & Environment Statistics for Sustainable	Training/ Capacity Building	Dr. Siba Sankar Mohanty/ Dr.	Directorate of Economics and	3.18 lakhs

	Development		Madhu Bisht	Statistics, Government of Uttarakhand	

20. Research facility / centre with /State recognition /National recognition /International recognition

Environmental Accounting/ Environmental Economics, Development Economics Recognised by the Government of Uttarakhand

21. Special research laboratories sponsored by / created by industry or corporate bodies

Not Applicable

22. Publications:

(Last Five Years)

Number of Papers Published in peer reviewed journals (National/International): 14

Chapters in Books: 5

Edited books with ISBN: 1

Number listed in International Database (e.g. Web of Science, Scopus, DARE database, EBSCO host etc.): 14

Citations: 20 (Google Scholar Since 2010)

Hi-Index: 2 (Google Scholar)

i-10 Index: 1

23. Details of patents and income generated:

Not Applicable.

24. Areas of consultancy and income generated

Training on Official Statistics Generated 6 lakhs (Please see **item 7 of Section 19** for more details)

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Not Applicable

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Dr. Siba Sankar Mohanty, Member - Campaign Coordination Committee of WNTA- New Delhi, Indian Chapter of the Global Call for Action Against Poverty (GCAP)-

(for more details about GCAP, please visit *https://en.wikipedia.org/wiki/Global_Call_to_Action_Against_Poverty#National_Campaign_Coalitions*

Dr. Siba Sankar Mohanty, Member – Editorial Board for Journal of Studies in Dynamics and Change, ISSN: 2348-7038, indexed in Advanced Sciences Index, Cite Factor, Directory of Sciences, IDEAS, RePEC-Econopapers, Directory of Research Journal Indexing and so on

Dr. Siba Sankar Mohanty, nominated as a thematic mentor and guide on policy research of the policy activist group "YSD-Orissa" for 2015

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

All faculties are encouraged to go for recharge programmes. A list of some faculty members engaged in such refresher programmes/ trainings orientation and other such programmes in last couple of years is as below.

Sikha Ahmad Participated in two day Workshop on Open Educational Resources on 10th and 11th June, 2013 at Graphic Era Hill University, Dehradun

Sikha Ahmad participated in UGC Orientation Programme in 2013

Sikha Ahmad, Dr. Madhu Bisht and Dr. S. S. Mohanty participated in a Six Day Training cum Refresher Course on Official Statistics organised by Doon University and Directorate of Economics and Statistics 11-16.May 2015

Dr. Madhu Bisht and Dr. S. S. Mohanty participated in a Two Day Orientation Workshop on Environment Statistics organised by Doon University and Directorate of Economics and Statistics 16-17.October.15

28. Student projects:

As a matter of principle all students at PG level are required to undertake a research work in partial fulfillment of their Master's degree.

Percentage of students who have done in-house projects including inter-departmental projects
100 Percent

Percentage of students doing projects in collaboration with other universities / industry / institute
20-30 Percent

29. Awards / recognitions received at the national and international level by

Dr. S. S. Mohanty was recognized as a jury member to score and nominate the brave citizens of Uttar Pradesh, Uttarakhand, Jharkhand and New Deli for the **National Godfrey Phillips Bravery Award** for the year 2012.

Dr. S. S. Mohanty was awarded a Research Project worth Rs. 20 Lakhs through Sponsored Research Project Award Competition 2014-15 by Indian Council for Social Science Research (ICSSR) in the year 2015 amounting to Rs. 20 Lakhs to conduct research study titled "*Economic Loss in Disasters and the Differentiated Impact on the Well-being of Social Groups: Developing a Methodological Tool for Loss and Impact Assessment in the context of Uttarakhand-2013 Natural Disaster*"

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

1. A Seminar was jointly organised by Department of Economics in collaboration with School of Management, Doon University on ***India: Two Decades of Economic Liberalisation-Growth and Governance*** on 18-19 November, 2011 at Doon University sponsored by ICSSR, New Delhi and supported by GIZ, Germany.

   Source of funding: Major funding sources were ICSSR and GIZ and other small agencies.

   Outstanding participants:

   Lead Speakers: Prof T. S. Papola (Institute for Studies in Industrial Development, New Delhi), Prof. R. S Tolia (Former Chief Information Commissioner), Prof S.P. Singh (FNA, Former VC, Advisor, State Planning Commission, Govt. Of Uttarakhand), Dr. S. Farooq (President, Himalaya Drug Company), Mr. Pankaj Gupta (Industries Association of Uttarakhand), Dr. B.K. Joshi (Former VC, Kumaun University), Prof P.K. Chaubey (IIPA, New Delhi), Dr. Alok Pandey (Director, ICWA), Prayag Singh Rawat and Himanshu Joshi (RBI, Mumbai), Prof, Sripad Motiram (IGIDR)

2. The **Third Northern Regional Social Science Congress** was organised by the School of Social Sciences with support from Northern Regional Centre of the Indian Council of Social Science Research (ICSSR) on 26-28 February 2015
   Source of Funding: ICSSR, Northern Regional Centre
   Lead Speakers: Prof. APS Chauhan, Prof. Dhruv Raina, Prof. Yatinder S. Sisodia, Prof. Anita Dighe, Prof. Kusum Arunachalam, Prof. B.P. Maithani, Dr. R. S. Tolia

3. One Week **Training Cum Refresher Course on Official Statistics** for ADSOs of Directorate of Economics and Statistics, Government of Uttarakhand, on 11^{th}-16^{th} May 2015
   Sources of Funding: DES, Government of Uttarakhand
   Lead Trainers: Shri Y. S. Pangtey, Dr. Manoj Pant, Dr. Brajendra Singh Miyan, Dr. S. S. Mohanty, Smt. Nalini Dhyani
4. Orientation Workshop on "**Policy Making & Environment Statistics for Sustainable Development**" on 16^{th}-17^{th} October 2015.

Source of Funding: DES, Government of Uttarakhand
Lead Speakers: Dr. Manoj Pant, Dr. S. S. Mohanty, Dr. Anil Joshi, Dr. Pradeep Chauhan, Dr. S.P. Singh, Dr. Rajesh Kumar

31. Code of ethics for research followed by the departments

As stipulated by the Internal Quality Assurance Cell (IQAC) of the university.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	**Application received**	**Selected**		**Pass percentage (in Final Examination)**	
		Male	Female	Male	Female
MA(2010-11)	24	03	04	100	50
MA(2011-12)	22	00	08	NA	62
MA(2012-13)	15	02	06	100	100
MA(2013-14)	27	03	11	66	90
MA(2014-15)	23	03	15	Continuing	Continuing
MA (2015-16)	30	01	8	Continuing	Continuing
MSc Integrated (2011-12)	90	22	40	Continuing	Continuing
MSc Integrated (2012-13)	96	26	50	Continuing	Continuing
MSc Integrated (2013-14)	98	32	43	Continuing	Continuing
MSc Integrated (2014-15)	99	33	39	Continuing	Continuing
MSc Integrated (2015-16)	84	20	34	Continuing	Continuing
MPhil (2014-15)	14	3	0	Continuing	Continuing
MPhil (2014-15)	12	1	1	Continuing	Continuing

* Students left the course incomplete due to employment and other reasons

33. Diversity of Students

Name of the Programme (refer to question no. 4)	**% of students from the same university**	**% of students from other universities within the State**	**% of students from universities outside the State**	**% of students from other countries**
MA/ MSc		78	22	0
M.Phil	100			

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Defence Services: 01
NET /JRF: 05
SET (USET): 04
Banking: 01

(Note: The Department is fairly new and only a few students from MA Economics-2 Year programme have currently passed out. The first batch of the five year Integrated MSc programme is yet to pass out in the year 2016)

35. Student progression

Student progression	Percentage against enrolled
UG to PG	79 %
PG to M.Phil.	NA
PG to Ph.D.	N/A
Ph.D. to Post-Doctoral	N/A
Employed • Campus selection • Other than campus recruitment	**Campus Selection: NIL** **Other than Campus Selection:** MA 2010-12 Batch: (80%)- The rest on higher studies MA 2011-13 Batch: (60 %) –The rest on higher studies MA 2012-14 Batch (60 %) –The rest on higher studies MA 2013-15 Batch (50 %) The rest on higher studies MSC Integrated 2011-2016 batch – Yet to pass out
Entrepreneurs	Not Applicable#

(Note: The Department is fairly new and only a few students from MA Economics-2 Year programme have currently passed out. The first batch of the five year Integrated MSc programme is yet to pass out in the year 2016.

The Entrepreneurship and Sill Development Cell of the University was constituted in the year 2015 and it is taking active interest to encourage, promote and support students of the Department to undertake entrepreneurship activities as career options)

36. Diversity of staff

Percentage of current faculty members who are graduates	
of the same university	20%
from other universities within the State	20%
from universities from other States from	60%
universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

PhD: One

38. Present details of departmental infrastructural facilities with regard to

a) Library

Central Library with access to e-resources such as J-STOR and several e-journals.

Development of a departmental library for research scholars is in the pipeline.

b) Internet facilities for staff and students

The campus is wi-fi enabled.

c) Total number of class rooms

Four

d) Class rooms with ICT facility

All classrooms are equipped with ICT facility.

e) Students' laboratories

A computer lab with 30 terminals and relevant software is available.

f) Research laboratories

Not Applicable as no courses in experimental economics are currently being carried out in the university.

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

Programme and Batch	Name of the Students
M. Phil /PhD (2014 Admissions)	Navneet Rajoria Atul Singh
M. Phil /PhD (2014 Admissions)	Kuldeep Singh Deepali Tomar

b) from other institutions/universities

Programme	Name of the Students
M. Phil	Naveen Sharma (University of Jammu)
Ph.D	Akhil Bhatt (University of Jammu) Pooja (Ambedkar University Delhi

40. Number of post graduate students getting financial assistance from the university.

3

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, the concept note for creation of Doon University as well as the Detailed Project Report (DPR) for the universities and Departments were in fact need assessment exercises by experts drawn for the purpose. However, from time to time, need assessment exercises are being undertaken by the Department of Economics before launching new programmes. Some evidences and methodologies adapted for such exercises are listed below.

The Department of Economics was initiated in the year 2010 with an MA Economics Programme and in 2011 the scope was enhanced with the introduction of an MSc Integrated Economics Course. In the year 2014, the Department introduced an M.Phil/PhD Course in Economics.

2010: Before introducing the MA Economics Programme in 2010, a need assessment was undertaken through the Detailed Project Report (DPR) of the university. In order to introduce the MA Economics (2 Year Programme) in 2010 and to develop the syllabus, courses run by Delhi School of Economics and JNU for the similar programmes was compiled in-house with the guidance from Prof. Pulin Nayak –DSE and Prof. Grijesh Pant –JNU (then VC-Doon University) and ratified by the Academic Council.

2011: While the 5 –year integrated MSc Programme in Economics was not a part of the DPR of the university, respecting the concern regarding the outmigration of students after passing out from school education and understanding developed through a brainstorming on 7th February 2011, it was felt that the state does not have any opportunity for Economics education that provides an honours degree in Economics and therefore, students are going out of the state to pursue higher education in economics, especially in places like Delhi and Mumbai. Moreover, the institutions offering Master's degree programme in the state including the only central university of the state were offering only traditional courses. With this understanding, courses for MA programme at the Department were modified and MSC Integrates courses were proposed through a brainstorming on 7th February 2011 through a one day conference with experts such as included **Prof. S.K. Jain**, J.N.U; **Dr. Indira Rajaraman,** ISI; **Prof. Sripad Motiram,** IGIDR; **Dr. R.P.Mamgain, IIDS, Prof. Ashok Mittal**, A.M.U, **Dr. Murali Prasad,** IIT,Kanpur, **Dr. Meeta Kumar**, Miranda House, D.U., **Prof. Pradipta Choudhary**, J.N.U., Prof B.K Joshi, Ex-Vice Chancellor-Kumaon University; Prof. Girijesh Pant-JNU. The proposal for the new programme and the revised syllabus for the existing programme were was ratified through academic council.

2012: Academic Advisory Board of the Department was constituted with external experts such as Prof. S. P. Singh (IIT Roorkee) and Prof B. K. Joshi (Ex-VC Kumaon University) and all faculty members of the Department. This AAB was responsible for overseeing the progress of the students as well as evolution of courses of the Department. It was felt by the board that any institution of higher learning should have research activities to support the planning and policy making process in the region and given that none of the institutions were offering MPhil in Economics in the state, the board proposed the course and prepared the MPhil/PhD coursework outline and syllabus. These proposals were subsequently ratified in the Academic council and the course after due preparation was introduced in the year 2014.

2015: The recent initiative of the Department to introduce certificates, diplomas and B.Voc and M. Voc courses in Actuarial Economics (proposed and yet to be introduced), the department took active support from the Oriental Bank of Commerce (Corporate-Public), Punjab National Bank (Corporate-Public), HDFC Bank (Corporate-Private) and the Uttarakhand Service

Commission (GoUk) to develop the courses. All the regional managers of the specified institutions and Mr. Pankaj Naithani, Secretary- Uttarakhand Service Commission were members of the Course Development Committee. The need assessment for the course was based on the current emphasis of the union government on skill building and expression of intent expressed by the above institutions regarding the need-rationale and employment potentials for such courses.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

All faculty members through their participation in the Staff meetings of the Department, Academic Advisory Board (in which all the faculty members and some external members nominated by the Vice Chancellor are members), representation to IQAC as well as representation in the Academic Council do provide regular feedbacks on the curriculum as well as teaching learning evaluation. Department follows the instructions and the decisions of the AC and submits action taken reports before each AC meeting.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

IQAC of the university through its formal feedback system undertakes feedback surveys on all the courses undertaken by the Department. The survey also contains questions on quality of teaching and the performance of the faculty members associated with the course. IQAC as well as the office of the Vice Chancellor suggests specific instructions to relevant faculty member based on the results of the survey.

c. alumni and employers on the programmes offered and how does the department utilize the feedback?

Although the number of alumni of the department is small given that only a few students have passed out from the Department, there is a provision of alumni feedback system run through the Alumni Cell of the University. The Department also undertakes several efforts to reach out to parents of the students to seek their feedback and report the progress of the department. While these meetings with parents create a lot of enthusiasm among parents, it also attracts some media attention about the departments efforts to ensure transparency, accountability and participation (TAP)

Potential employers are reached out through different efforts of syllabus revision, course development and other efforts of the department towards improvements in the teaching learning content and processes. The recent initiative of the Department to introduce certificates, diplomas and B.Voc and M. Voc courses in Actuarial Economics, the department took active support from the Oriental Bank of Commerce (Corporate-Public), Punjab National Bank (Corporate-Public), HDFC Bank (Corporate-Private) and the Uttarakhand Service Commission (GoUk) to develop the courses.

43. List the distinguished alumni of the department (maximum 10)

Sl. No.	Name	Admission Batch	Distinction and Current Engagement
1	Atul Singh	2010	Enrolled for PhD at Doon University
2	Peeyush Sharma	2010	Worked as State Coordinator for ASER-Pratham Education Foundation-Currently Research Assistant, ICSSR
3	Vivek Ahuja	2010	Branch Manager, ICICI Bank -Amethi
4	Ramanpreet Nayyar	2010	Assistant Professor, Doon University
5	Pooja	2011	PhD Scholar, Ambedkar University, Delhi
6	Rupeeka Sharma	2011	Employee, Panjab National Bank
7	Shakshi Gupta	2012	Research Associate, Delhi University
8	Ankit Singh Bisht	2013	Flying Lieutenant, Indian Air Force

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Special Lectures:

Lists of Guest Lecturers		
Sl. No.	**Name**	**Lecture Date**
1	Prof. Praveen Jha	23 August 2011
2	Prof. S.P.Singh	19 October 11
3	Mr. P.A.Nazarat	5 November 11
4	Mr. Samar Bhandari	17 February 12
5	Mr. Lekhraj	17 February 12
6	Prof. Purna Samanta	27 November 12
7	Prof. Ram Singh	9 April 13
8	Dr. Manoj Pant	12 April 2013 12 April 2013 20 May 2013
9	Prof. B.K.Joshi	21st August 2010
10	Mr. Baljeet Sharma	21 August 2011
11	Mr. Pankaj Naithani	
12	Prof. R.R. Suresh	September 2012
13	Prof. Anant Giri	16 Septemebr 15

Note: The list is not comprehensive

Workshops/Seminars

Please see **section 30** for more details

45. List the teaching methods adopted by the faculty for different programmes.

Sl	Programme	Teaching Method Adopted by the Faculty
1	MA Economics	Classroom Teaching, student seminars, Assignments involving participation of students in different activities related to field visits, elective and specialized courses, interactions with larger society and so on
2	MSc Economics	In addition to above, all quantitative courses have a practical component involving analysis of data through selected statistical packages
3	MPhil Economics	In addition to above, assignments involving preparation of literature surveys and participation in conferences and seminars for presenting papers and involvement in research projects as interns.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

*Monitoring Mechanism***:** Ensured through IQAC

Student Faculty Committees: Each batch of students in every course has representatives for SFC and all these SFC members regularly meet with faculty members to review the activities of the Department

Faculty Advisories: Each student is assigned with an advisor/mentor who help them shaping their career as well as to solve the problems faced by the students.

47. Highlight the participation of students and faculty in extension activities.

Students are encouraged and usually engaged in different extension activities being undertaken by the department. These activities include participation in different competitions being held in university and outside, organising extended classes, tutorials and remedial courses for newcomers, field visits for better social interactions, participation in activities of local trade unions and organisations of debates and discussions on different policy issues of global, national and regional interests. A Photo profile of some of the past activities that witnessed increased participation of students is provided in Annexure.

48. Give details of "beyond syllabus scholarly activities" of the department.

Participation of students in different workshops/ seminars organised by the department and individual faculty member in different forms. Students are usually given responsibility for management of these events and activities

under active guidance of a faculty in charge. For more details, please see S**ection 47**

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Not Applicable for a new Department.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

A list of research work undertaken by students under the supervision of faculty members as below.

Sr. No.	Name of the Scholar	Thesis Title/ Topic	Supervisor	Year	Type
1	Mr. Peeyush Sharma	Fiscal Management in Mountain States of India A Comparative Study of Uttarakhand and Other Mountain States in the Himalayan Region	Dr. S.S. Mohanty	2012	Applied
2	Mr. Atul Singh	A Role of Government Policies in Addressing the Issue of Out-Migration in Uttarakhand	Dr. Madhu Bisht	2012	Applied
3	Mrs. Meenakshi Dhayani	Public Expenditure on MGNREGS and Agricultural GSDP	Dr. S.S. Mohanty	2012	Applied
4	Mrs. Pooja	Study on the Scope of Environmental Fiscal Reforms in Uttarakhand	Dr. S.S. Mohanty	2013	Applied
5	Mrs. Pooja Dobriyal	Climate Change and Agriculture Sector in Uttarakhand	Dr. S.S. Mohanty	2013	Applied
6	Mrs. Rupeeka Sharma	A Comparative study of Development Indicators of Minority and Non- Minority Community with special Reference to Mountain and Non- Mountain States of India.	Dr. Madhu Bisht	2013	Applied
7	Mrs. Priyanka Sharma	Dynamics of Female Workforce Participation in Agricultural Sector in Uttrakhand	Dr. Madhu Bisht	2013	Applied
8	Mrs. Mitali Gandhi	Growth in Uttarakhand Economy: A Study of Spatial Inclusiveness	Dr. S.S. Mohanty	2014	Applied
9	Mrs. Sakshi	An Estimation of the Direct Economic Losses Suffered in	Dr. S.S. Mohanty	2014	Applied

	Gupta	Uttarkashi District in the Aftermath of Uttarakhand Disaster,2013			
10	Mrs. Preeti Bisht	Health Policy and Financing in Uttrakhand: A Special Focus on Immunization Programs	Dr. S.S. Mohanty & Dr. Madhu Bisht	2014	Applied
11	Mr. Navneet Rajoria	An Analysis of Gender Responsiveness in the Uttrakhand State Budget	Dr. Madhu Bisht	2014	Applied
12	Mrs. Amrita Thapa	Women Empowerment in Uttrakhand: An Analysis through Education	Dr. Madhu Bisht	2014	Applied
13	Mr. Kuldeep Bisht	Scope of MSMEs in Employment Generation in Uttarakhand	Dr. S.S. Mohanty	2015	Applied
14	Mrs. Anugita Chaudhari	A Study of Trends in Indian Agriculture	Dr. S.S. Mohanty	2015	Applied
15	Mrs. Somya Arora	Why are Downward-Sloping Demand Curves unrealistic: A Critical Review of factors influencing Demand in more realistic scenerio	Dr. S.S.Mohanty	2015	Applied
16	Mrs. Anshula Uniyal	Gender Based Income Differential and Entrepreneurial Challenges in Uttrakhand	Dr. Madhu Bisht	2015	Applied
17	Mrs. Warishree Pant	Impact of Tourism on MSMEs: A Special emphasis on Employment Generation	Dr. Madhu Bisht	2015	Applied
18	Mrs. Chetna Arora	Inclusive Growth: A Critical Evaluation of District- Wise Socio-Economic development in Uttrakhand	Dr. Madhu Bisht	2015	Applied
19	Mr. Sahil Bhatia	The Developing Policies in Uttarakhand: A Principal Componant Analysis	Dr. S. S.Mohanty	2015	Applied

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths	Weaknesses
Young, energetic and enthusiastic faculty members Encouraging response from the larger society in terms of applications for	Scant number of faculty members. Less sanctioned positions than required for a decent student faculty ratio.

admission in the department. Encouraging attitude of the state government (especially at the level of bureaucracy) in terms of promoting the Department of Economics for different partnerships, policy evaluation exercises in joint collaboration with the government. Encouraging media response for different activities of the Department Some of the courses run by the department of economics are not covered elsewhere in the state.	No separate library for the School.
Opportunities	**Challenges**
Potentials for a centre of excellence given no other institutions offering similar courses in the state. Potential role in partnership with different government agencies for policy formulation and evaluation.	To meet the aspiration of students in dynamic market situations. To meet the standards of teaching and research with scant human resources. To restrict inbreeding of faculty members in the light of lesser interest of faculties to join the university at higher levels viz, professors and associate professors.

52. Future plans of the department.

As per the mandates of the department of economics as highlighted in the vision and mission statement of the university in the Detailed Project Report, the Department plans to evolve as an institution of higher learning in terms of teaching and research in economics. Towards this, the medium and longer terms plans of the Department are as highlighted below.

Short-Term/ Medium Term Plans:

- To equip the Department with the state of the art teaching and research facilities in terms of organised and independent library, computer labs.
- To build capacities of the students of the department to get placed in remunerative jobs so that a better profile of the department is created in due course.
- To proactively search for opportunities of partnership with different government agencies both at the state and the national level to ensure participation of the department in policy making processes in the country.

Long term Goals

- To evolve as one of the top institutions of learning and research in economics in the country and to get good rankings in the national ratings for departments imparting education in economics.
- To eventually evolve as a research institution in fundamental and applied economic research and to realign the programmes to have more research orientation.
- To emerge as an active partner of the Government of Uttarakhand in economic and social policy making processes.

1. Name of the Department: **Centre for Public Policy**

2. Year of establishment: ***December 2006***

3. Is the Department part of a School/Faculty of the university?
Centre for Public Policy is an autonomous Centre anchored in School of Social Sciences, Doon University

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc, D.Litt. etc.)

N/A

5. Interdisciplinary programmes and departments involved

N/A

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

N/A

7. Details of programmes discontinued, if any, with reasons:

N/A

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

N/A

9. Participation of the department in the courses offered by other departments
Centre co-operates and assists in the various events of other Schools or the University, as a whole, , where its services may be of use and benefit to the state of Uttarakhand - particularly in the sphere of public policy e.g. (i) representing the state of Uttarakhand in Working Groups of Five Year Plans (2011), (ii) Working Groups set on specific problems (BK Chaturvedi Committee on Hilly Areas) by erstwhile Planning Commission of India (2012-14), (iii) Public Policy Group set up by Government of Uttarakhand (2015), (iv) Regional Advisory Group set up by NABARD (2015) and (v) public policy related initiatives of newly set up NITI Aayog via inputs for Uttarakhand and other mountain states of India. Centre's approach towards public policy interventions is action-research oriented and it is still work-in-progress.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst.Professors/others)

N/A

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

R.S. Tolia, M.Sc., M.A. PhD, Dip in SRD (Reading, UK), IAS (Retd); NTPC Chair Professor; Public Administration, Development Administration, Administrative History and Action Research; Guiding Research and Capacity Building / Training .

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

N/A

13. Percentage of classes taken by temporary faculty – programme-wise information

N/A

14. Programme-wise Student Teacher Ratio

N/A

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Secretarial staff (on contract and project supported); research project staff through network-with other Universities, both supervisors and field survey (Details available in each project completion report).

16. Research thrust areas as recognized by major funding agencies

Field –survey based socio-economic issues and experience-based contributions in public administration e.g. (i) Disabilities suffered by certain social groups (ICSSR, ST Education, Himachal Pradesh and Uttarakhand), (ii) Socio Ethnographic Study of Rai Sikhs in Uttarakhand (Social Welfare Department, Uttarakhand) and Advisory services (Policy Planning Group, Uttarakhand Government and Regional Advisory Group, NABARD), (iii) Committees set up by erstwhile Planning Commission of India, and (iv) Selection of top Higher Education Administrators (Vice Chancellor of a state University of Uttarakhand, Governor of Uttarakhand) etc.

17. Number of faculty with ongoing projects from

a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sr No	Funds Received/ Budget Title	Broad Budget Heads	Expenditure Apl , 2006 to Mar 31, 2011	Expenditure Apl, 2011 to Mar 31, 2012	Expenditure Apl, 2012 to Mar 31, 2013	Expenditure Apl, 2013 to Mar 31, 2014	Expenditure Apl 2014 to Mar 31, 2015
1	Rs. 43,00,000 /ICSSR-Edu ST Project		-	-	Rs. 1502653.00	Rs. 1464638.00	Rs. 498812.00
2	Rs. 4,55,000.00 /RTI Facilitation Centre:SRTT		-	-	-	Rs. 8000.00	Rs. 338756.00
3	Rs. 13,00,000.00 /Ethnographic Survey: GoUK (SW)		-	-	-	Rs. 13729.00	Rs. 380816.00

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration:

(i) ICSSR Education Project ; Doon University-Kumaon University and HP Central University, Dharamshala ; Socio - Ethnographic Survey of Rai Sikhs, Doon University - Kumaon University - HNB Garhwal Central University;

ii) International collaboration:

N/A

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sr No	Funds Received/ Budget Title	Broad Budget Heads	Expenditure Apl , 2006 to Mar 31, 2011	Expenditure Apl, 2011 to Mar 31, 2012	Expenditure Apl, 2012 to Mar 31, 2013	Expenditure Apl, 2013 to Mar 31, 2014	Expenditure Apl 2014 to Mar 31, 2015
1	Rs. 43,00,000 /ICSSR-Edu ST Project		-	-	Rs. 1502653.00	Rs. 1464638.00	Rs. 498812.00
2	Rs. 4,55,000.00 /RTI Facilitation Centre:SRTT		-	-	-	Rs. 8000.00	Rs. 338756.00

3	Rs. 13,00,000.00 /Ethnographic Survey: GoUK (SW)		-	-	-	Rs. 13729.00	Rs. 380816.00

- **Note:** As *provided* by Finances Department.

20. Research facility / centre with

- State recognition
- National recognition
- International recognition

Centre's Monographs on Centrally Sponsored Schemes, Green Bonus, Role of Planning Commission and documentation of Sustainable Mountain Development and Safe and Sustainable Mountains have been widely distributed and made available to the offices of Planning Departments of Uttarakhand and several state governments via Centre's IMI Programme through its Sustainable Mountain Development Summits and Meets of the Mountain States during 2011 to 2015. Centre's action research has helped establish an innovative development forum for the eleven Indian mountain states. Details provided in Publications, at serial 22.

21. Special research laboratories sponsored by / created by industry or corporate bodies

ORG (Office of Registrar General of India) Data Centre funded by the ORG itself and now Doon University Hub, Centre for Public Policy & Good Governance, Government of Uttarakhand.

22. Publications:

Publications of the Centre can now be divided into the following categories:

(i) A Planning Framework for the Mountain States of India (Jan, 2012)
(ii) Pro- Poor Policy Analysis for Adaptation
(iii) Monographs on
- ❖ A Case Study on Mountain Biodiversity and Livelihood
- ❖ A Case Study on Promotion of Organic Agriculture in Uttarakhand
- ❖ Case Study on Van Panchayats, Uttarakhand, India

(iv) IMI Policy Maker's Dialogue: Appropriateness of Centrally Sponsored Schemes and Other Programmes for the Indian Mountain States (September, 2013)
(v) Proceedings of National Workshop on Mountain Cities (19/20 January 2014)
(vi) IMI Policy Maker's Dialogue: Mountain Cities
(vii) IMI Policy Maker's Dialogue: Compensating Mountain States (march, 2014)

(viii) IMI Policy Maker's Dialogue: Demise of Planning Commission: Implications for Mountain States (December, 2014)
(ix) IMI Policy Maker's Dialogue: Safer & Sustainable Mountains (October, 2015)
(x) ICSSR Study of Educational Status of STs of Uttarakhand (2014)
(xi) ICSSR Study of Educational Status of STs of Himanchal Pradesh (2014)
(xii) Sociological and Ethnographic Study of Rai Sikhs of Nainital and Udham Singh Nagar (2015)

23. Details of patents and income generated:

N/A

24. Areas of consultancy and income generated

For income see Projects.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

N/A

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

1. Committee of Experts on Climate Change, Govt of Nepal (ICIMOD)
2. Quinquennial Review Committee, Sir rattan Tata Trusts (2012)
3. Working Group on Hilly Areas, XII Five Year Plan (2011)
4. Working Group on Hilly Areas , Planning Commission (BK Charurvedi, Chair) (2012-14)
5. Public Policy Group, Government of Uttarakhand,(2015)
6. Regional Advisory Group, NABARD, Regional Office,(2015),and
7. Committee for Review of Indian Forest Officers Syllabus (Ministry of Forest and Environment), and
8. Selection Committee of Vice Chancellor (2015).

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

N/A

28. Student projects

N/A

29. Awards / recognitions received at the national and international level by

N/A

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Under IMI Programme of the Centre:

Sustainable Mountain Development Summits (2011, 2012, 2013 and 2015); Meet of the Mountain States (2012, 2013, 2014 and 2015) in collaboration with a host of co-sponsors in various states of India and at New Delhi,
National Workshop on Mountain Cities, Mussoories, 2014. (DST and others)
Several Seminars/ Conferences / Workshops, details in Annual Reports 2011-12 and 20114-15.

EVENTS ORGANIZE				
S. No.	**MONTH**	**DATE**	**Topic**	**VENUE**
1	Jul-11	30 July 2011	'Migration Issues' of Uttarakhand	Doon University
2	Aug-11	17 August 2011	State Action Plan on Climate Change	Doon University
3	Nov-11	12 November 2011	Working Groups on Mountain Ecosystems and Challenges Faced by Mountain People	Doon University
4	Mar-12	26-27 March 2012	Workshop on Consultations for the Uttarakhand State Action Plan for Climate Change	Doon University
5	Apr-12	13-14 April 2012	2nd Regional consultation on SAPCC	Almora
6	Aug-12	07 August 2012	Data Dissemination workshop by Director, Census Operation, Uttarakhand	Doon University
7	Sep-12	1st Sept. 2012	Science Education in India: Issues and Concern; (i) An effective Approach to do Research in Ecology and Environmental Sciences A lecture by Prof. S. P. Singh, FNA	Doon University
8		4th Sept. 2012	Science Education in India: Issues and Concern; (ii) Writing Research Papers A lecture by Prof. S. P. Singh, FNA	Doon University
9	Oct-12	12 October 2012	Draft Mountain Policy and associated cross sectional issues for the students of Doon University	Doon University
10	Nov-12	November 27, 2012	An Inter-departmental Roundtable to Mainstream Gender into Climate Change Adaptation Plans and Programmes	Doon University
11	Jan-13	11-13 Jan,2013	Survey Training of RIs of EduST Project for UK	Doon University

12		18-21 Jan, 2013	Survey Training of RIs of Edu ST Project for HP	Central University, HP
13	Feb-13	6th February 2013	Global Post 2015 Development Agenda : Uttarakhand Consultations on The Future We Want	Doon University
14		16th February, 2013	The Educational Status of Scheduled Tribes of Uttaranchal and Himachal: Achievements and Challenges : First Advisory Committee Meeting	CPP, Doon University
15		28thFeb-29th Feb	ADB –TERI Leadership Program	Doon University
16	Mar-13	21st March, 2013	Advisory Committee Meeting	Doon University

EVENTS ORGANISED				
S.NO	**MONTH**	**DATE**	**Topic**	**VENUE**
1	Jul-11	30 July 2011	'Migration Issues' of Uttarakhand	Doon University
2	Aug-11	17 August 2011	State Action Plan on Climate Change	Doon University
3	Nov-11	12 November 2011	Working Groups on Mountain Ecosystems and Challenges Faced by Mountain People	Doon University
4	Mar-12	26-27 March 2012	Workshop on Consultations for the Uttarakhand State Action Plan for Climate Change	Doon University
5	Apr-12	13-14 April 2012	2nd Regional consultation on SAPCC	Almora
6	Aug-12	07 August 2012	Data Dissemination workshop by Director, Census Operation, Uttarakhand	Doon University
7	Sep-12	1st Sept. 2012	Science Education in India: Issues and Concern; (i) An effective Approach to do Research in Ecology and Environmental Sciences A lecture by Prof. S. P. Singh, FNA	Doon University
8		4th Sept. 2012	Science Education in India: Issues and Concern; (ii) Writing Research Papers A lecture by Prof. S. P. Singh, FNA	Doon University
9	Oct-12	12 October 2012	Draft Mountain Policy and associated cross sectional issues for the students of Doon University	Doon University
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15		28thFeb-29th Feb	ADB program	Doon University
16	Mar-13	21st March, 2013	Advisory Committee meeting	Doon University

PARTICIPANT IN EVENTS TOURS

S.NO	YEAR	MONTH	DATE	SUBJECT	VENUE
1	**2011**	**September**	9th Sep,2011	The Himalayan Day	Doon University
2		**November**	8-9th Nov, 2011	International Conference on Climate Change and Sustainability in the Mountain Areas: Scope and Challenges for Regional Cooperation and Integration to be held at Gangtok	Gangtok
3			18-19th Nov, 2011	"INDIA: Two Decades of Economic Liberalization- Growth and Governance"	Doon University
4	**2012**	**March**	19th Mar, 2012	Meeting on Climate Change and Preparatory Process for Revision of the Uttarakhand Climate Change Action Plan	Secretariat
5		**April**	10th Apr, 2012	Country Consultation: India ICIMOD's Strategic Framework and Medium Term Action Plan	India Habitat Centre, New Delhi
6		**May**	16th May, 2012	Women, Food and Climate Change	Gorakhpur Environmental Action Group
7			25th - 26th May, 2012	Indian Mountain Initiative Sustainable Mountain Development Summit 2	Gangtok, Sikkim
8		**June**	18th June-2012	First Meeting of the Expert Committee-2nd Cycle on MCT of IFS	IGNFA, Dehradun

				Officers	
9		**August**	6th Aug,2012	Hiroshima Day	Doon University
10			29 - 31st Aug, 2012	Stakeholder's brainstorming Session on 'Building Sustainable Uttarakhand for Tomorrow	Doon University
11		**September**	04th Sep, 2012	Roundtable on the Role of Migration as an Adaptation Strategy to Environmental Variability and Change	New Delhi
12			18th Sep 2012	7th Himalayan Environment Conservation Workshop	Songtsen Library
13			24th Sep, 2012	Skill Development Council of the State of Rajasthan	Delhi
14		**October**	08-12th October, 2012	Programme for IAS Officers on? Climate Change and State Preparedness: Impacts, Vulnerability and Adaptation	TERI, New Delhi
15			15-19th October 2012	Bhutan+10 Gender and Sustainable Mountain Development in a changing World	Thimpu, Bhutan
16			21st October 2012	Second Workshop on Sponsored Research Study on 'Educational & Professional Status of Scheduled Tribes: Attainments and Challenges	ICSSR, New Delhi
17		**December**	3-4th December, 2012	Two Days Workshop of IFS Officers on "Ecodevelopment for Biodiversity Conservation: Assessment and Way Forward"	Wild Life Institute
18			5-7th December, 2012	For Lecture at Haldwani	Haldwani
19			16-18th Decemb	Methodology Training Programme	Ambedkar University,

			er, 2012		Lucknow
20			17 - 18th Dec, 2012	Workshop on Climate Change & Mountain Arecs:	Darjeeling
21	**2013**	**Feb-13**	14-15 Feb, 2013	Ecosystem Services-Valuation and Policy Issues	IGNFA, Dehradun
22			20-21st Feb, 2013	Expert Committee Meeting IGNFA	IGNFA, Dehradun
23		**Mar-13**	6th Mar, 2013	Equality and Social Justice in 21st Centurey	DBS (PG) College, Dehradun
24			11th Mar, 2013	Guest Lecture for PSU Course in IGNFA	IGNFA
25			11th Mar, 2013	Impact of Climate Change: Public Consultation on Training Materials	Haritima Organic Kitchen of Uttarakhand 13 Gaon, Sahastra Dhara Road, D.Dun

List of Workshops, Conferences and Trainings

SL NO	TOPIC	DATES	HOST & VENUE
1	Advisory Committee meeting	21st March 2013	DOON UNIVERSITY
2	Sir Ratan Tata Trust / Navajbai Ratan Tata Trust Initiative: Microfinance, Centre for Microfinance (CmF) for the RLC SP exercise	4-5 April 2013	Centre for Microfinance, Government of Rajasthan
3	RLC SP Meeting	25-26th of April 2013	Hotel Plaza, Chembur East. Mumbai Maharashtra
4	ICSSR EduST One Day End of Field Survey Seminar	11 May 2013	Centre for Public Policy
5	National Consultation on the PVTGs on 15th May, 2013 in Planning Commission	15 May 2013	Planning Commission
6	Munsiary Ghreeshm Mahotsava	25 May -7 June 2013	Munsyari
7	Seminar on Good Collection Practices in Keera jari in Uttarakhand, Munsyari	27 May 2013	Munsyari
8	Agenda for 103rd Council Meeting	5 June 2013	CHEA Office
9	Data Entry Exercise at CSS,	7-13 July13	New Delhi, ICSSR

10	Request for chairing a panel discussion session for Phase V MCT training prog	24 July 2013	Indira Gandhi National Forest Academy
11	Invitation for Board meeting of CInI Governing Body meeting of CInI	7 Aug 2013	
12	Phase-IV for IAS officer	19 Aug 2013	LBSNAA Mussoorie
13	Lecture at ATI, Nainital; IAS Trainee Officers	21 -23 Aug 2013	Nainital
14	Invitation for the framing workshop for the HKH Assessment	8-9 Sep 2013	Kathmandu Nepal
15	Meeting Himalayan Environment & Development- Issues and the Way forward	19 Sep 2013	G.B. Pant Institute
16	Request for participation in the Workshop on Uttarakhand 6/16 Analysis, Lessons and Mitigation Strategies: September 19, 2013 in Dehradun	27-28 Sep 2013	Central Himalayan Environment Association (CHEA)
17	Sustainable Mountain Development Summit - III, Kohima		Kohima
18	Debate	9 Oct 2013	MKP PG College
19	Debate	10 Oct2013	SGRR PG College
20	Planning Commission Meeting		Delhi
21	Expert Committee	28th Oct 2013	ICSSR
22	Uttarakhand Information Commission	19-20 Nov 2013	Delhi
23	SECOND ADVISORY COMMITTEE MEETING MID TERM REVIEW	23rd Nov 2013	DOON UNIVERSITY
24	Workshop on Mountain Specific Research in the Context of Himalayan	23 Nov 2013	INSA Hostel Delhi
25	DRAFT REPORT ICSSR	24th Nov 2013	DOON UNIVERSITY
26	Poverty and Vulnerability in the Hindu Kush Himalayas Forging Regional Partnerships to Enable Transformative Change	1-4 Dec 2013	ICIMOD
27	Invitation for Panel discussion in Joint Training Programme for IAS, IPS & IFS Officers Topic:- Inter Services Co-ordination	3-6 Dec 2013	Indira Gandhi National Forest Academy

28	Consultative Workshop on Integration of Biodiversity Conservation and Climate Change Mitigation Strategies in Development Planning at Wildlife Institute of India	17 Dec 2013	Wildlife Institute of India, Dehradun
29	Interaction meeting	17-19 Dec 2013	ICSSR
30	All India Workshop on Sustainable and Inclusive Mountains Development	29-31 Dec 2013	31,Udhagamandalam (Ooty), The Nilgiris
31	18th Meeting of the Academic Council	31st Dec 2013	Doon University
32	Mountain Cities 2014	19 20 Jan 2014	NIAR/LBSNAA Mussoorie
33	Presentation of the Strategic Plan to Trustees	27 Jan 2014	Mumbai
34	National Conference on 'Revisiting Development Paradigms	15-16 Feb 2014	Indian Institute of Technology Roorkee
35	Invitation for Innovate India	28 Feb 2014	Vivekananda Auditorium University of Petroleum & Energy Studies (UPES) D.Dun
36	Brainstorming meeting on Management issues in Corbett Landscape	7 Mar 2014	Wildlife institute of India Dehradun
37	Franklin University	15-16 Mar 2014	Doon University
38	Uttarakhand History & Culture Association (UHCA)	21 -22 Mar 2014	Dept. of History, Kumaon University SSJ Campus Almora
39	Farmers First for Conserving Soil and Water Resources in Northern Region (FFCSWR-2014)	24 Mar 2014	Central Soil and Water Conservation Research & Training Institute Dehradun
40	National Seminar on Good Governance and Small States in India	29 Mar 2014	HNB Garhwal University Srinagar
41	Waste Warriors	3 Apr 2014	DOON

			UNIVERSITY
42	University National Debate – 2014	6 Apr 14	Law College Dehradun
43	Arch I team Visit to Mussoorie Meeting	11 Apr 2014	DOON UNIVERSITY
44	Arch I Team Meeting	28Apr 2014	DOON UNIVERSITY
45	Meeting with CII	30 Apr 14	Madhuban hotel
46	Joint Meeting with Director Education and Director Tribal Development, Uttarakhand for improvement of Education among STs, Secondary and Higher Education	3 May 2014	DOON UNIVERSITY
47	Knowledge Exchange on Decentralized Approaches to Deliver Rural Water Supply and Sanitation Services	20 May 2014	Four Points Sheraton Hotel, Dehradun
48	Uttarakhand Academy of Administration, Nainital Seminar on RTI Act-2005	5th July 2014	Uttarakhand Academy of Administration , Nainital
49	Workshop [United Nations Development Programme (INDIA)]	27 August 2014	New Delhi
50	National Centre for Good Governance(An Autonomous Institution of DoPT, Government of India)	29 Aug 2014	(LBSNAA), Mussoorie
51	session on "Governance & Judiciary',	17 Sept 2014	(LBSNAA), Mussoorie
52	National Consultation Workshop on Post-2015 Framework for DRR	19 Sept 2014	Delhi
53	19th Meeting of Academic Council	24 Sept 2014	Doon University
54	Senior Policy Makers' Training Programme on Policy Formulation	23-26 Nov	
55	Meet of the Mountain States, 2014	10-11 Dec 2014	Delhi
56	Brainstorming consultation on utilization of Tribal Sub-Plan funds meant for tribal development - reg.	13 Dec 14	New Delhi
57	Natural Capital for Inclusive Growth: Options and Tools Asia	17–19 Dec 2014	Kolkata, India
58	Workshop on SHG-Federations	09-10 Jan 2015	ICFRE Auditorium (FRI Campus)
59	Uttarakhand Open University training programme	13-14th Jan 2015	Nainital
60	Transforming Mountain Forestry"-reg.	18 22 Jan 2015	FRI Dehradun

61	Meeting of the Executive Committee of Waste Warriors Society	22 Jan 2015	170-A, Rajpur Road
62	Policy Planning Group	30 Jan 2015	Meeting Hall, CM Block (Ground Floor), Secretariat Campus, Subhash Road, Dehradun.
63	International Conference on Hydro Projects for Sustainable Development-2015	5 Feb 2015	Hotel Pearl Grand Dehradun
64	Meeting of the Patrons and Founder Members of the World Sustainable Development Forum - Invitation	6 Feb2015	Delhi
65	International Conference on Hydro Projects for Sustainable Development-2015	7 Feb 2015	Dehradun
66	"Community Led Water Supply Schemes "(Swajal Experience)	9 Feb 2015	Nainital (UAoA)
67	The Moravian Institute	10 Feb 2015	Dehradun
68	Uttarakhand History And Culture Association (The Fifth Convention)	12 Feb 2015	Haldwani
69	Uttarakhand History And Culture Association (The Fifth Convention)	13 Feb 2015	Haldwani
70	WLE Ganges Focal Region: Agreement No. 45-25271 with University of Arizona	18 Feb 2015	Hotel Aketa Dehradun
71	WLE Ganges Focal Region: Agreement No. 45-25271 with University of Arizona	19 Feb 2015	Hotel Aketa Dehradun
72	WLE Ganges Focal Region: Agreement No. 45-25271 with University of Arizona	20 Feb 2015	Hotel Aketa Dehradun
73	ICSSR (NCR) Meeting	23 Feb 2015	C.P.P Doon University
74	NCGG Training Programme on Public Policy and Governance for the officials of Odisha Administrative Service	24 Feb 2015	Mussoorie
75	Executive Committee of Waste Warriors Society	25 Feb 2015	170-A, Rajpur Road
76	National seminar “ICSSR sponsored All India Study on Educational Status of Scheduled Castes and Tribes: Attainment and Challenges”.	26 Feb 2015	New Delhi.
77	Third Northern Regional Social Science Congress	26 Feb 2015	Doon University
78	Inaugural Function of 09th USSTC 2014-15	26 Feb 2015	Vigyan Dham, Jhajra,

			Dehradun
79	National Seminar "ICSSR sponsored All India Study on Educational Status of Scheduled Castes and Tribes: Attainment and Challenges".	27 Feb 2015	New Delhi.
80	Third Northern Regional Social Science Congress	27 Feb 2015	Doon University
81	Workshop on Sustainable Tourism Management in Mountain Landscapes of the Himalayas	27 Feb 2015	Wildlife Institute of India
82	Third Northern Regional Social Science Congress	28 Feb 2015	Doon University
83	University Outreach Programme	11 Mar. 2015	Doon University
84	S&T Orientation in Making of Energy Efficient Lights for Tribal's of India	21 Mar. 2015	SPECS Training Centre Kandoli Dehradun
85	Ecosystem Services and Innovative Financing Mechanism for Natural Resource Management	23 Mar. 2015	Graphic Era University Dehradun
86	20th Meeting of the Academic Council of Doon University	2-Apr	Doon University
87	Issue of Circular No. 381/244/R/DU-2015. Date 2nd June 2015 directing all Faculty Members and Heads of Department, follow up of Meeting with 24 March, 2015 with Secretary, Higher Education, on (i) University to liasing with Government and Departments and Agencies and give priority to Research proejcts focusing on the Policy Issues subjects in te Government & regional problems, and (ii) Seek advise from NTPC Chair Professor, Centre for Public Policy in connection with the above	6/2/2015	Doon University
88	Two day seminar on research project on Gender and Social Ecology	5- 6 Jun	Uttarakhand Seva Nidhi in Almora
89	Meeting on Nagar Panchayat, Munsyari - Problems associated with establishment of under Chirmanship of Sri DS Garbyal, Secretary, Urban Development Department, at Block Conference Room, Munsyari, Pithoragarh	6/15/2015	Munsyari, Pithoragarh
90	20th meeting of the Academic Council	23-Jun	Doon University

91	Workshop SOIL & Organic Agriculture	2-Jul	Bhimtal
92	Contemporary Uttarakhand Meeting	6-Jul	CPP Doon University
93	IMI Uttarakhand Chapter Meeting	7-Jul	CPP Doon University
94	Meeting with Chief Minister Harish Rawat at Bijapur Guest House on Policy Matters connected with Policy Planning Group in company of Prof A.N. Purohit, former VC HNB Garhwal University	8-Jul,2015	Bijapur Guest (house, Dehradun)
95	MLMRC Meeting	8-Jul,2015	CPP Doon University
96	Consultation in favour of M/s Tata Trusts in connection with Himmothan Society with the names of The Review Team Headed by Dr Avinash Paranjape and Team	10-Jul	CPP Doon University
97	Consultation Workshop 'SOIL' and Organic Agriculture,	13-Jul	Bhimtal
98	Foundation Course of IAS	14-Jul	UAOA Nainital
99	Toppers Conclave	3-Aug	Raj Bhawan Uttarakhand Dehradun
100	Meeting on constitution of Alumni Association of Kumaon University, NAC Accredition points with Prof Hoshyar Singh Dhami, VC, kumaon University	4-Aug	CPP Doon University
101	Consultations of Disaster Risk Reduction organized by SDFAP, Kalimpong, West Bengal	17-Aug	Park Hotel, Kalimpong, Darjeeling, W.Bengal
102	Consultations of Disaster Risk Reduction organized by SDFAP, Kalimpong, West Bengal	18-Aug	Park Hotel, Kalimpong, Darjeeling, W.Bengal
103	Foundation Course of 2015 Batch IAS and Professiona Course, PCS	19-Aug	Uttarakhand Academy of Administration , Naini Tal
104	First Founding Meeting of The AAoKU	1-Oct	Hotel Raj Palace,

			Rampur Road, Haldwani
105	DRR Core Group Meeting	3-Oct	CPP Doon University
106	Second Founding Meeting of The AAoKU	3-Oct	CPP Doon University
107	MLMRC	4-Oct	CPP Doon University
108	SMDS-IV	7-9 Oct	Itanagar
109	Decade of RTI	12-Oct	Manthan AuditoriumChief Conservator of Forests Campus Dehradun
110	DLRC Programme	15-Oct	Uttarakhand Council of Science & Technology (UCOST), Vigyan Dham, Jhajra, Dehradun.
111	NAAC meeting	20-Nov	Nainital
112	Regional Advisory Group Ist Meeting, NABARD	24-Nov	Dehradun

31. Code of ethics for research followed by the departments As per the guidelines of the IQAC

Research Affiliates : Research Scholars registered in Foreign Universities receive support and academic/research guidance from NTPC Chair Professor. See Procedure for Admission/Affiliation for study for Foreign National, Appendix : I, page 35, Annual Report 2013-14 and 2014-15.

32. Student profile programme-wise:

1. Madleina Daehnhardt, Cambridge University, London
2. Mark Jones, PhD Scholar - Pacific and Asian History College of Asia and the Pacific - Australian National University

33. Diversity of Students

N/A

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

N/A

35. Student progression

N/A

36. Diversity of staff

N/A

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

N/A

38. Present details of departmental infrastructural facilities with regard to

(a) Library : Centre Publications, ICIMOD Publications and other related literature,
(b) Internet facilities : Staff and Committee Room and ORG Data Centre.
(c) Room Numbers 101 and 102 (Committee Room) and ORG Data Centre.
(d and e) Not Applicable.
(f) ORG Data Centre and Doon University Hub, centre for Public Policy & Good Governance, GoUK.

39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university
b) From other institutions/universities
1. Madleina Daehnhardt, Cambridge University, London
2. Mark Jones, PhD Scholar - Pacific and Asian History College of Asia and the Pacific - Australian National University

40. Number of post graduate students getting financial assistance from the university.

N/A

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

N/A

42. Does the department obtain feedback from?

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

N/A

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
N/A
c. alumni and employers on the programmes offered and how does the department utilize the feedback?

N/A

43. List the distinguished alumni of the department (maximum 10)

N/A

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Special Lectures:

N/A

45. List the teaching methods adopted by the faculty for different programmes.

N/A

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

N/A

47. Highlight the participation of students and faculty in extension activities.

N/A

48. Give details of "beyond syllabus scholarly activities" of the department.

Centre's action-based research activities impacting on public policy related to mountain states of India fall entirely under this rubric, namely, " beyond syllabus scholarly activities". Almost entire body of literature generated directly by the Centre, particularly under its IMI Programme, or in collaboration with various partner institutions, within Uttarakhand and outside,

via SMDSs and MoMSs etc is perhaps unique in entire country. Centre for Public Policy via its IMI Programme has innovatively helped establish a dynamic development dialogue forum for India which now continuously engages a range of stake-holders, domain experts, practitioners and academics in generating ideas, documents and development products which are being freely used by various stake holders, including mountain state governments, in their day to day practices. Refer the Publications of Centre and those out of its outreach activities.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

N/A

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The Vision of the Centre namely, " ... engaging Universities and Colleges more intensively than before with wider society and contribute to the local and regional development and provide intellectual leadership to the society ", is arguably a unique experiment in any University in the country, where a Centre has worked on such a Vision and generated a vast body of new knowledge (refer, Publications) both basic, and mostly of applied nature, where it supports and enables forward action in shaping and moulding of public policies focused on sustainable mountain development. In an evolutionary manner the 17 Sustainable Development Goals themes are now been taken on board, aligning the charter of the Centre on themes emerging out of Rio+20 World Summit.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

1. Action Research based outcomes, summarised under IMI Programme (The Vision, diagram)
2. Large body of knowledge generated by its literature, directly and in collaboration,
3. A large net-work of individuals and institutions established under IMI Programme,
4. ORG Data Centre and Doon University Hub, Centre for Public Policy & Good Governance, and
5. Centres linkages with local State Government , other state Governments, other Universities and related bodies dealing with public policies, both at the National and State levels.

Weaknesses

1. Experienced Human Resource at the Centre, newly established ORG Data Centre and Doon University Hub, Centre for Public Policy & Good Governance,

2. Human Resource and Financial Mobilization for its action-research based activities,
3. Practitioner and Academic Research Scholars needed on long-term basis,
4. Research Advisory Group and Research Support Group, and
5. Teaching and Capacity Building and Courses on Public Policy for various target groups.

Opportunities

1. Demise of Planning Commission of India and establishment of NITI Aayog,
2. Establishment of Centre for Public Policy & Good Governance by Government of Uttarakhand,
3. Increased decentralisation of plan resources, absence of public policies at the state level, especially in the State List and Concurrent List of the Constitutions,
4. Emerging Mountain-Agenda, awareness about the value of Indian Mountain Ecosystems and the focused attention that the Centre has devoted to this major gap-area in public policy, and
5. Evolution of Climate Change, Disaster Risk Reduction and Sustainable Development Goals , which have been the main focus of the Centre from 2011 onwards.

Challenges

1. Centre unable to follow-up the road-map indicated in its latest Annual report, various Schools of the University not able to dock-up their expansion using the Centres enabling activities,
2. Research losing its action-research steam due to Centre's faculty not mobilized on the basis of its emerging potential,
3. Gap between the demand generated by the IMI Programme and the support generated by the Centre and its net-work Partners,
4. Teaching and Research work not in sync with the changing demand from the state(s), and
5. To cope up with the complex and specialized needs in the public sector and inability to build in-house human resource capacity to address such requirements.

52. Future plans of the department.

Short-Term/ Medium Term Plans:

To emerge as a unique, innovative and demand –driven Centre for addressing the future needs in public policy domain, encompassing the fast growing economy of states, as a collective in a federal set up and establish itself as a solution-exchange for Centre –State relations, both in public domain and private sector.

दून विवि में एफडीआई पर हुई परिचर्चा में सवाल पूछती छात्रा।

Evaluative Report

School of Technology

1. Name of the Department
School of Technology

2. Year of establishment: 2014

3. Is the Department part of a School/Faculty of the University?
Yes: School of Technology (SoT)

4. Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Litt., etc.)

- Integrated MCA

5. Interdisciplinary programmes and departments involved

- School of Physical Sciences (Department of Computer Science, Department of Mathematics)
- School of Languages (Department of English)
- School of Management
- School of Environment and Natural Resources

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil

7. Details of programmes discontinued, if any, with reasons
Nil

8. Examination System: Annual /Semester / Trimester / Choice Based Credit System
Semester

9. Participation of the department in the courses offered by other departments
Nil

10. Number of teaching posts sanctioned, filled and actual (Professors /Associate Professors / Asst. Professors/ others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	–	–	–
Associate Professor	–	–	–
Asst. Professors	3	1 (On Contract)*	1
Others	–	–	–

*The course is being run on a self finance mode

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M. Phil. Students guided for the last 4 years
Triloki Pant	Ph.D., ASRB NET	Assistant Professor (In-charge)	Image Analysis	6.5	NA
Dr. Sudhanshu Joshi	M.C.A, M.Sc.*(Computer Science)*, M.B.A. *(Business Finance)*, Ph.D.	Assistant Professor (Adjunct)	Urban Infrastructure Project Management, Technology Management, Big Data Supply Chain Analytics, Financial Planning and Risk Management	6.5	1
Mr. K.N. Rastogi	MCA, UGC NET, Ph.D. (Pursuing)	Assistant Professor (On Contract)	Big data, Cloud computing, OS, Programming concepts	1.5	NA

12. List of senior Visiting Fellows, adjunct faculty, and emeritus professors Senior Visiting Fellows

Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Nil

14. Programme –wise Student Teacher Ratio

13:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and Actual

Nil

16. Research thrust areas as recognized by major funding agencies

NA

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and Grants received Project – wise

Nil

18. Inter-institutional collaborative projects and associated grants received a) National Collaboration b) International Collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, ALCTIE etc.; total grants received

Nil

20. Research facility/centre with

- State recognition Nil
- National recognition Nil
- International recognition Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies.

Nil

22. Publications:

- Number of papers published in peer reviewed journals (national / international) 5
- Monographs 2
- Chapters in Books Nil
- Edited Books Nil
- Books with ISBN with details of publishers Nil
- Number listed in International Database (for e.g. Web of Science, Scopus. Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.) Nil
- Citation Index – range / average 27
- SNIP 1.237
- SJR 0.727
- Impact Factor – range / average 1.310-1.358
- H- index 2

Publication list

1. **Pant, T.**, Singh, D., Srivastava, T. 2010. Advanced Fractal Approach for Unsupervised Classification of SAR Images. *Advances in Space Research* 45(11), 1338-1349 (Elsevier). Impact Factor = 1.358. Citation = 19.

2. **Pant, T.**, Singh, D., Srivastava, T. 2010. The potential application of fractal approach for surface roughness retrieval: A study for simulated surfaces. *Geomatics, Natural Hazards and Risk*. 1(3), 243-257 (Taylor & Francis). Impact Factor = 1.310. Citation = 1.
3. **Pant, T.** 2013. Effect of Noise in Estimation of Fractal Dimension of Digital Images. *International Journal of Signal Processing, Image Processing & Pattern Recognition* 6(5), 101-116 (SERSC Publisher). Impact Factor NA. Citation = 2.
4. **Pant, T.** 2013. Noise Error Analysis in Fractal Dimension Estimation of Digital Images. *International Journal of Image, Graphics & Signal Processing* 5(8), 55-62 (MECS Publisher). Impact Factor = 0.11. Citation = 1.
5. Prasad, M., Li, D-L. Lin, C-T, Prakash, S. Singh, **Joshi, S.** 2015. Designing Mamdani Type Fuzzy Reasoning for Visualizing Prediction Problems Based on Collaborative Fuzzy Clustering. *IAENG International Journal of Computer Science* 42(4), 404-411. (International Association of Engineers Publisher). Impact Factor NA. Citation NA.

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions /in India and abroad

Nil

26. Faculty serving in a) National committees**,** b) International committees, c) Editorial Boards**,** d) any other (please Specify)

Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, Training programs and similar programs).

Nil

28. Student projects

Nil

29. Awards / recognitions received at the national and international level by

Nil

30. Seminars/Conferences /Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

Nil

31. Code of ethics for research followed by the departments

NA

32. Student profile programme – wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage (of enrolled students)	
		Male	Female	Male	Female
MCA 2015-2020	30	22	2	NA	NA
MCA 2014-2019	19	11	4	NA	NA

33. Diversity of students

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MCA	–	–	–	–

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category – wise.

Nil

35. Student progression

NA (The program started in 2014)

Students Progression	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	NA
PG TO Ph.D.	NA
Ph.D. to Post – Doctoral	NA
Employed • Campus selection • Other than campus recruitment	NA
Entrepreneurs	NA

36. Diversity of staff

Percentage of faculty who are graduated	
Of the same university	Nil
From other universities within the State	66.67
From university from other State	33.33
From university outside the country	Nil

37. Number of faulty who were awarded M. Phil., Ph.D., D.Sc. and D.Litt. during the assessment Period

NA

38. Present details of departmental infrastructural facilities with regard to

a) Library
Central Facility
b) Internet facilities for staff and students Wi-Fi in Campus
c) Total number of class rooms 2
d) Class rooms with ICT facility 2
e) Students' laboratories 1
f) Research laboratories 0

39. List of doctoral, post- doctoral students and Research Associates

c) From the host institution / university NA
d) Form other institutions / university NA

40. Number of post graduate students getting financial assistance from the university.

NA

41. Was any need assessment exercise undertaken before the development of new programme?

(s)? if so, highlight the methodology.

Yes, the concept note for creation of Doon University as well as the Detailed Project Report (DPR) for the Universities and Departments were exercised by experts drawn for the purpose.

42. Does the department obtain feedback from

a) faculty on curriculum as well as teaching- learning - evaluation ? if yes, how does the department utilize the feedback?
YES

b) students on staff, curriculum and teaching- learning evaluation and how does the department utilize the feedback ?

YES

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

NA

43. List the distinguished alumni of the department (maximum 10)

NA

44. Give details of student enrichment programmes (special lectures / workshops /seminar) involving External experts.

1) Presentation by Mr. Pankaj Ratudi, CEO, Programmingyan.com, Dehradun on Web development and its future on Oct. 29, 2015.
2) Lecture of Mr. I.L. Narsimha Rao, Project Manager, CDAC Hyderabad on Cyber Security as a part of Lecture Series for Computer Society of India chapter on Nov. 04, 2015.

45. List the teaching methods adopted by the faculty for different programmes.

- Regular Classroom teaching
- Audio-visual presentation for Theory
- Mini projects(Individual/Group based projects)
- Use of various web based tools for teaching and evaluation as follows:
  1) piazza.com for course discussion and content distribution
  2) Google forms for quiz and data gathering

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored ?

- Monitoring Mechanism: Ensured through IQAC
- Student Faculty Committee: Each batch of students in every course has representatives for SFC and all these SFC members regularly meet with faculty members to review the activities of the Department
- Faculty Advisories: Each student is assigned with an advisor/mentor who help them shaping their career as well as to solve the problems faced by the students.

The department monitors the student performance in the following ways:

- 75% attendance is mandatory
- Answer Scripts are shown to students so that they can analyze their mistakes
- Assignments and mini projects are evaluated by faculty and necessary suggestions are given

47. Highlight the participation of students and faculty in extension activities.

1) A team of 3 students of MCA Sem. I participated in CSI quiz competition and won 2nd prize in Oct. 2014
2) One student from MCA Sem. III participated in Inter departmental cultural competition 'BAZM' in Oct. 2015
3) Miscellaneous club activities related to programming, online quiz etc. by Computer Science Club

48. Give details of "beyond syllabus scholarly activities" of the department.

Nil

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details.

NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

NA

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths:

1) The Department has young and highly motivated faculties with good academic experience
2) Excellent teaching learning environment
3) Excellent Student-Teacher ratio as per UGC Norms
4) Computer lab with networking facility

Weaknesses:

1) Regular faculty is needed especially at senior level
2) Inadequate non-teaching and lab. staff
3) Infrastructure is to be increased with addition of new batches
4) Research infrastructure is to be created

Opportunities:

1) New fields related to IT and ITES can be proposed
2) Interdisciplinary courses including Bioinformatics can be proposed

Challenges:

1) Number of Students per batch is to be increased

52. Future plans of the department

1) Collaboration with IT industry is to be done for knowledge sharing, internship programs and students' placements
2) Establishment of various high end labs in association with industry players like CISCO, Microsoft, IBM
3) Certification courses are to be offered in future

4) New innovative programs, e.g., cloud computing, scientific computing, big data analytics etc. to be started in near future to cater the industry needs
5) Research program is to be started
6) Funded projects are to be initiated
7) Enhancement of PG projects to be innovative by contribution

Evaluative Report

School of Physical Sciences

(Department of Physics, Chemistry , Mathematics, Computer Science)

1. Name of the Department:

Department of Physics, Department of Chemister, Department of Mathematics, Department of Computer Science

(Note: As per the DPR of the university the School has four Departments under its purview: Department of Physics, Department of Chemistry, Department of Mathematics and Department of Computer Science.

2. Year of establishment:

August 2015

3. Is the Department part of a School/Faculty of the university?

Yes, Department of Physics is a part of School of Physical Sciences, Doon University

(Note: However, as per the mandate of the University, all the Departments and schools ought to foster interdisciplinary learning and research. Therefore, although the Department of Physics is operationally governed as a part of School of Physical Sciences, in the academic front, it supports and takes support from other Departments and Schools such as School of Environment and Natural Resource Management, School of Languages and School of Communication.**)**

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

Integrated Master of Science in Physics
Integrated Master of Science in Chemistery
Integrated Master of Science in Mathematics
Integrated Master of Science in Computer Science
Mater of Science in Phycics with specialization in Optoelectronics
Matse of Science in Mathematics

5. Interdisciplinary programmes and Departments involved`

At the current stage, no academic discipline can remain truly isolated from other disciplines. All the programmes being run by the Department of Physics are no exception. Five year integrated M.Sc. programme is being run with the involvement of other disciplines. According to the UGC's Choice Based Credit System (CBCS), students are supposed to opt various *Generic Courses* offered by other Departments such as Department of Chemistry and Mathematics and Computer Science etc. *Compulsory Ability Enhancement Courses* are offered by School of Environment and Natural Resources as well as School of Languages.

Department of Mathematics and Department of Computers: Physics curriculum contains a significant coverage of quantitative techniques that require skills in mathematics, and computation. Therefore, it becomes necessary for the Department to rely of experts with these background both from other schools of the University as well as from outside the university.

Department of Chemistry: Chemistry and Physics are the branches of science that both study matter. However, Physics places a larger emphasis on fundamental theory (with its deep mathematical treatment) while Chemistry places more emphasis in combining the most important mathematical definitions of the theory with the approach of the molecular models. Thus, it

becomes important for students to learn an interdisciplinary approach form their future point of view.

Environmental Sciences: As per the mandate of the Supreme Court, all academic disciplines need to run courses in environmental studies. So, faculties arranged by SENR are used for the purpose.

Foreign Languages: Given the value addition with knowledge of foreign languages, students often take courses in foreign languages either in the School of Languages or the Friday lecture series at the University level allow the students to attend the lectures.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Currently, we are running MSc Physics with specialization in Optoelectronics in collaboration with Instrument Research and Development Establishment (IRDE)-DRDO Dehradun.

7. Details of programmes discontinued, if any, with reasons:

No programme has been discontinued so far.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Choice Based Credit System (CBCS)

9. Participation of the Department in the courses offered by other Departments

Students can opt for courses from other Departments in the form of Generic Elective Courses and Compulsory Ability Enhancement Courses.
Generic Elective Courses are offered by various Departments within the School of Physical Sciences (such as Department of Chemistry, Department of Computer Sciences and Department of Mathematics) that are opted by the students from Department of Physics.
Compulsory Ability Enhancement Courses are offered by School of Environment and Natural Resources as well as School of Languages.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	None	None	–
Associate Professors	None	None	–
Asst. Professors	12	12	12
Others	–	–	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PH.D./M.Phil. students guided for the last 4 years
Dr. Bhupesh Chandra Chanyal	PhD	Asst. Professor	High Energy Physics and Electronics	2	None
Dr. Vikas Sharma	PhD	Asst. Professor	Theoretical Physics and Condensed Matter Physics	6	None
Dr. Himani Sharma	PhD	Asst. Professor	Condensed Matter Physics and Nanotechnology	Around 4 years	None
Dr. Arun Kumar	Ph.D.	Assistant Professor	Organic and Organometallic Chemistry	More than 05 years	NIL
Dr. Charu Dwivedi	Ph.D.	Assistant Professor	Physical Chemistry	Around 03 years	NIL
Dr. Sameena Mehtab	Ph.D.	Assistant Professor	Inorganic Chemistry	More than 06 years	NIL
Dr. Sarita Singh	Ph.D, M.Sc.	Asst. Prof.	Biomechanics, Mathematics	05Years (After PhD)	NA
Dr. A.R. Gairola	Ph.D, M.Sc.	Asst. Prof.	Pure Mathematics	06Years (After PhD)	NA
Dr. Komal	Ph.D, M.Sc.	Asst. Prof.	Reliability Analysis	05Years(After PhD)	NA
Ms. Rachana Gusain	M. Tech., UGC-JRF	Assistant Professor (In-charge)	Motor Imagery based Brain-Computer Interfaces	0.5	Nil
Mr. Devashish Pundir	MCA, UGC-NET	Assistant Professor (On Contract)	Computer Applications	12.5	Nil
Dr. Triloki Pant	Ph. D., ASRB-NET	Assistant Professor	Image Analysis	6.5	Nil

1. Name of the Department:

Department of Physics, School of Physical Sciences.

(Note: As per the DPR of the university the School has four Departments under its purview: Department of Physics, Department of Chemistry, Department of Mathematics and Department of Computer Science.

2. Year of establishment:

August 2015

3. Is the Department part of a School/Faculty of the university?

Yes, Department of Physics is a part of School of Physical Sciences, Doon University

(Note: However, as per the mandate of the University, all the Departments and schools ought to foster interdisciplinary learning and research. Therefore, although the Department of Physics is operationally governed as a part of School of Physical Sciences, in the academic front, it supports and takes support from other Departments and Schools such as School of Environment and Natural Resource Management, School of Languages and School of Communication.**)**

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

The Department of Physics is running two courses at present. These courses are as follows:

a) MSc Physics- Five Years Integrated (Intake Capacity-50): Eligibility for Admission –through University Entrance Examination after a 10+2 Degree from any recognized Board.

b) MSc Physics (with specialization in Optoelectronics)- Two Years (Intake Capacity-25): Eligibility for Admission –through University Entrance Examination after a Bachelor's Degree from any recognized University

The Department is also going to start PhD programme from the next semester.

5. Interdisciplinary programmes and Departments involved`

At the current stage, no academic discipline can remain truly isolated from other disciplines. All the programmes being run by the Department of Physics are no exception. Five year integrated M.Sc. programme is being run with the involvement of other disciplines. According to the UGC's Choice Based Credit System (CBCS), students are supposed to opt various *Generic Courses* offered by other Departments such as Department of Chemistry and Mathematics and Computer Science etc. *Compulsory Ability Enhancement Courses* are offered by School of Environment and Natural Resources as well as School of Languages.

Department of Mathematics and Department of Computers: Physics curriculum contains a significant coverage of quantitative techniques that require skills in mathematics, and computation. Therefore, it becomes necessary for the Department to rely of experts with these background both from other schools of the University as well as from outside the university.

Department of Chemistry: Chemistry and Physics are the branches of science that both study matter. However, Physics places a larger emphasis on fundamental theory (with its deep mathematical treatment) while Chemistry places more emphasis in combining the most important mathematical definitions of the theory with the approach of the molecular models. Thus, it becomes important for students to learn an interdisciplinary approach form their future point of view.

Environmental Sciences: As per the mandate of the Supreme Court, all academic disciplines need to run courses in environmental studies. So, faculties arranged by SENR are used for the purpose.

Foreign Languages: Given the value addition with knowledge of foreign languages, students often take courses in foreign languages either in the School of Languages or the Friday lecture series at the University level allow the students to attend the lectures.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Currently, we are running MSc Physics with specialization in Optoelectronics in collaboration with Instrument Research and Development Establishment (IRDE)-DRDO Dehradun.

7. Details of programmes discontinued, if any, with reasons:

No programme has been discontinued so far.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Choice Based Credit System (CBCS)

9. Participation of the Department in the courses offered by other Departments

Students can opt for courses from other Departments in the form of Generic Elective Courses and Compulsory Ability Enhancement Courses.

Generic Elective Courses are offered by various Departments within the School of Physical Sciences (such as Department of Chemistry, Department of Computer Sciences and Department of Mathematics) that are opted by the students from Department of Physics.

Compulsory Ability Enhancement Courses are offered by School of Environment and Natural Resources as well as School of Languages.

Course Title	Operating Department
Chemistry Elective	Department of Chemistry
Finite Element Method	Department of Mathematics
Introduction to Programming in “C”	Department of Computer Sciences
Environmental Studies	School of Environment and Natural Resources

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	None	None	–
Associate Professors	None	None	–
Asst. Professors	03	03	03
Others	–	–	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PH.D./M.Phil. students guided for the last 4 years
Dr. Bhupesh Chandra Chanyal	PhD	Asst. Professor	High Energy Physics and Electronics	2	None
Dr. Vikas Sharma	PhD	Asst. Professor	Theoretical Physics and Condensed Matter Physics	6	None
Dr. Himani Sharma	PhD	Asst. Professor	Condensed Matter Physics and Nanotechnology	Around 4 years	None

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors (including present and past associations)

Sl.No.	List of senior Visiting Fellows, adjunct faculty, emeritus professors
1.	Prof. V.K. Tripathi (Indian Institute of Technology Delhi)
2.	Prof. S. Gupta (AMU, Aligarh)
3.	Dr. Nimish Dixit (IRDE, Dehradun)

13. Percentage of classes taken by temporary faculty – programme-wise information

MSc Physics (Two years)	MSc Five Years Integrated
13 % (Approximate)	0 %

14. Programme-wise Student Teacher Ratio

MSc Physics (Two Years)	MSc Five Years Integrated
11:3	43:3

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual (including CAS & MPS)
Academic support staff (Lab Assistant)	2	1	

16. Research thrust areas as recognized by major funding agencies

Research Thrust Areas	Funding Agencies
NA	NA

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

NIL

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration NIL
b) International collaboration NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

NIL

20. Research facility / centre with /State recognition /National recognition /International recognition

Infrastructure for experimental research is yet to be established in Department of Physics.

21. Special research laboratories sponsored by / created by industry or corporate bodies

NIL at Present

22. Publications:

(Last Five Years)

Dr. Vikas Sharma		**Dr. Himani Sharma**	
Number of Papers Published in peer reviewed journals (National/ International)	9	Number of Papers Published in peer reviewed journals (National/ International)	:23
Monographs	:NIL	Monographs	:NIL
Chapters in Books	:	Chapters in Books	:1
Edited books	:NIL	Edited books	:NIL
Books with ISBN with details of publishers	:NIL	Books with ISBN with details of publishers	:NIL
Number listed in International Database (e.g. Web of Science, Scopus. Humanities International Complete, DARE database, International Social Sciences Directory, EBSCO host etc.)	:NIL	Number listed in International Database (e.g. Web of Science, Scopus. Humanities International Complete, DARE database, International Social Sciences Directory, EBSCO host etc.)	:NIL
Citations: Range: Average:	: 1-20 :	Citations: Range Average	: 1-25 :
Impact Factor: Range: Average:	:1.4-3.2	Impact Factor: Range Average	:1.0-6.8
H-Index	4	H-Index	5

Dr. B.C. Chanyal	
Number of Papers Published in peer reviewed journals (National/ International)	:15
Monographs	:NIL
Chapters in Books	:NIL
Edited books	:NIL
Books with ISBN with details of publishers	:NIL
Number listed in International Database (e.g. Web of Science, Scopus. Humanities International Complete, DARE database, International Social Sciences Directory, EBSCO host etc.)	:NIL
Citations: Range Average	: :
Impact Factor: Range	:

Average	
H-Index	

Note: (Department of Physics has been started in August 2015. Therefore, above mentioned details of publications belong to the research work of concerned faculty members which he/she carried out before joining Doon University.)

List of Publications

Dr. Vikas Sharma

1. Gupta, H. C., **Sharma, V.,** Tripathi U. **2004.** Normal coordinate analysis of the orthorhombic trifluoride MF_3 (M= Gd, Tb, Er, Yb). ***Journal of Molecular Structure* 706, 85-88**. (Elsevier, Netherlands), Impact factor =1.4. Citation =1.
2. Gupta, H. C., **Sharma, V.,** Tripathi U, Rani, N. **2005.** Zone center frequencies of the orthorhombic $NdMnO_3$ perovskite. ***Journal of Physics and Chemistry of Solids* 66, 1314**. (Elsevier, Netherlands), Impact factor = 1.5.
3. Morawietz, T., **Sharma, V.**, Behler, J. **2012**. A neural network potential-energy surface for the water dimer based on environment-dependent atomic energies and charges. ***Journal of Chemical Physics* 136, 064103**. (American Institute of Physics, USA), Impact Factor =1.853. Citations = 15.
4. Gupta, H. C., **Sharma, V. 2007.** Lattice dynamic investigation of the Raman and infrared wavenumbers of orthorhombic R_2BaNiO_5 (R=Y, Gd) oxides in *Immm* structure. ***Journal of Raman spectroscopy* 38, 245-249.** (Wiley, USA), Impact Factor = 2.671. Citations = 5.
5. Gupta, H. C., **Sharma, V. 2005.** Lattice dynamic investigation of the Raman and infrared wavenumbers of orthorhombic R_2BaCuO_5 (R=Y, Ho, Gd) oxides. ***Journal of Raman spectroscopy* 36, 83-88.** (Wiley, USA), Impact Factor = 2.671. Citations = 4.
6. Gupta, H. C., **Sharma, V. 2007.** Lattice dynamics of tetragonal Nd_2BaZnO_5. ***Journal of Raman spectroscopy* 38, 1554-1560**. (Wiley, USA), Impact Factor = 2.671. Citations = 4.
7. Gupta, H. C., **Sharma, V. 2007.** Interatomic forces in *Pnma*, *Immm*, *P4/mbm* and *I4/mcm* phase of R_2BaMO_5 (R= Yttrium or lanthanides; M=Ni, Cu or Zn). ***Journal of Physics: Conference Series* 92, 012163**. (Institute of Physics, USA). Citation=1.
8. Gupta, H. C., **Sharma, V. 2008.** Lattice Dynamics of Y_2BaNiO_5 using *ab intio* approach. ***Proceedings of the 21st ICORS*** 641.
9. Morawietz, T., **Sharma, V.** Behler, J. **2012.** A neural network potential-energy surface for the water dimer based on environment-dependent atomic energies and charges. ***Journal of Chemical Physics* 136**, 064103. (American Institute of Physics, USA), Impact factor = 3.2. Citations = 15.

Dr. Himani Sharma

1. **Sharma, H.**, Farsinezhad, S., Shankar, K. **2015**. Interfacial Band Alignment for Photocatalytic Charge Separation in TiO2 nanotube Arrays Coated with CuPt Nanoparticles. ***Physical Chemistry Chemical Physics*** (Royal Society of Chemistry, UK), Impact Factor = 4.493. Accepted.
2. **Sharma, H.**, Krabbe, J., Farsinezhad, S., Van, A., Wakefield, N., Fitzpatrick, G., Shankar, K. **2015**. Mapping Stresses in High Aspect Ratio Polysilicon Electrical Through-Wafer Interconnects (ETWIs). ***Journal of Micro/Nanolithography, MEMS, and MOEMS (JM3)* 14, 024001-05.** (SPIE, USA), Impact Factor = 1.428.
3. Kar, P., Zhang, Y., Farsinezhad, S., Mohammadpour, A., Wiltshire, B. D., **Sharma, H.**, Shankar, K. **2015**. Rutile phase n- and p-type anodic titania nanotube arrays with square-shaped pore morphologies. ***Chemical Communications* 51, 7816-7819.** (Royal Society of Chemistry, UK), Impact Factor = 6.834.
4. Adl, A. H., Kar, P., Farsinezhad, S., **Sharma, H.**, Shankar, K. **2015**. Effect of sol stabilizer on the structure and electronic poperties of solution processed ZnO thin films. ***RSC Advances* 5, 87007-87018.** (Royal Society of Chemistry, UK), Impact Factor = 3.84.
5. **Sharma, H.**, Agarwal, D. C., Sharma, M., Shukla, A. K., Avasthi, D. K., Vankar, V. D. **2014**. Structure Modified Stress Dynamics and Wetting Characteristics of Carbon Nanotubes and Multilayer Graphene for Electron Field Emission Investigations. ***ACS applied materials & interface* 6, 12531-12540.** (American Chemical Society, USA), Impact Factor = 6.723. Citation = 2.
6. Kaushik, V., **Sharma, H.**, Shukla, A. K., Vankar, V. D. **2014**. Sharp Folded Graphene Ribbons Formed by CO_2 laser ablation for Electron Field Emission Studies. ***Vacuum* 110, 1-6.** (Elsevier, Netherlands) Impact Factor = 1.858.
7. Sharma, M., Gao, S. L., Mader, E., **Sharma**, **H.,** Leong, Y. W., Bijwe, J. **2014**. Carbon fiber surfaces and composite interphases. ***Composites Science and Technology* 102, 35-50**. (Elsevier, Netherlands) Impact Factor = 3.569. Citation = 25.
8. Patra, R. **Sharma, H.**, Ghosh, S., Vankar, V. D. **2014**. Geometrical shape dependence field emission from patterned Carbon nanotube array: A simulation based study. ***Advanced Materials Letters*** (VBRI Press, Sweden) Impact Factor = 1.9. Accepted.
9. Farsinezhad, S., Waghmare, P. R, Wiltshire, B. D., **Sharma**, **H.,** Amiri, S., Mitra, S. K., Shankar, K. **2014**. Amphiphobic surfaces from functionalized TiO_2 nanotube arrays. ***RSC Advances* 4, 33587-33598**. (Royal Society of Chemistry, UK), Impact Factor = 3.84. Citation = 2.
10. Benlamri, M., Bothe, K. M., Ma, A. M., Shoute, G., Afshar, A., **Sharma**, **H.,** Mohammadpour, A., Gupta, M., Cadien, K. C Tsui, ,Y. Y., Shankar, K, Barlage, D. W. **2014**. High-mobility solution-processed zinc oxide thin films on silicon nitride. ***Rapid Research Letters* 10, 871-875**. (Wiley, USA), Impact Factor = 2.14.

11. **Sharma, H.**, Agarwal, D. C., Sharma, M., Shukla, A. K., Avasthi, D. K., Vankar, V. D. **2013**.Tailoring of structural and electron emission properties of CNT walls and graphene layers using high energy irradiation, ***J Physics D: Applied Physics* 46, 315301- 315308**. (Institute of Physics, USA), Impact Factor = 2.721. Citations = 4.
12. **Sharma, H.**, Shukla, A. K., Vankar, V. D. **2013**. Influence of Fe nanoparticles diameters on the structure and electron emission studies of carbon nanotubes and multilayer graphene. ***Materials Chemistry and Physics* 137, 802-810**. (Elsevier, Netherlands), Impact Factor = 2.225. Citations =2.
13. Patra, R., **Sharma, H.**, Ghosh, S., Vankar, V. D., **2013**. High stability field emission from zinc oxide coated multiwalled carbon nanotube films. ***Advanced Materials Letters* 4, 849** (VBRI Press, Sweden), Impact Factor =1.9. Citations = 5.
14. **Sharma, H.**, Agarwal, D. C., Shukla, A. K., Avasthi, D. K., Vankar, V. D. **2012**. Surface enhanced Raman scattering and fluorescence emission of gold nanoparticles-multiwalled carbon nanotubes hybrid. ***Journal of Raman Spectroscopy* 44, 12-20**. (Wiley, USA) Impact Factor = 2.671. Citations = 18.
15. **Sharma, H.**, Shukla, A. K., Vankar, V. D. **2012**. Structural modifications and enhanced Raman scattering from multiwalled carbon nanotubes grown on titanium coated silicon single crystals. ***Thin Solid Films* 520, 1902-1908.** (Elsevier, Netherlands), Impact Factor =1.759. Citations = 2.
16. Kauhsik, V., **Sharma, H.**, Vankar, V. D. **2012**. Recent Developments in the Growth and Properties of Carbon Nanotubes and Carbon Nanostructures: A Review. ***International Journal of Green Nanotechnology* 4, 534-540**. (Taylor & Francis, USA), Impact Factor =0.9.
17. Kaushik, V., **Sharma, H.**, Girdhar, P., Shukla, A. K., Vankar, V. D. **2011**. Structural modification and enhanced electron emission from multiwalled carbon nanotubes grown on Ag/Fe catalysts coated Si substrates. ***Materials Chemistry and Physics* 130, 986-992**. (Elsevier, Netherlands), Impact Factor = 2.225. Citations = 3.
18. **Sharma, H.**, Shukla, A. K., Vankar, V. D. **2011**. Effect of titanium interlayer on the microstructure and electron emission characteristics of multiwalled carbon nanotubes. ***Journal of Applied Physics* 110, 033726-36**. (American Institute of Physics, USA), Impact Factor = 2.183. Citations = 7.
19. **Sharma, H.**, Kaushik, V., Girdhar, P., Singh, V. N., Shukla, A. K., Vankar, V. D. **2010**. Enhanced electron emission from titanium coated multiwalled carbon nanotubes. ***Thin Solid Films* 518, 6915-6920**. (Elsevier, Netherlands), Impact Factor =1.759. Citations = 13.
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Dr. B. C. Chanyal

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2. **Chanyal, B.C.**, Bisht, P.S., Negi, O.P.S. **2011.** Generalized split-octonion electrodynamics. ***International Journal of Theoretical Physics* 50, 1919-1926,** (Springer, Japan), Impact Factor =1.184.
3. **Chanyal, B.C.**, Bisht, P.S., Li T., Negi, O.P.S. **2012.** Octonion quantum chromodynamics. ***International Journal of Theoretical Physics* 51, 3410-3422, (**Springer, Japan), Impact Factor = 1.184.
4. **Chanyal, B.C.**, Bisht, P.S., Negi, O.P.S. **2013.** Octonionic non-Abelian gauge theory. ***International Journal of Theoretical Physic*s 52 , 3522-3533,** (Springer, Japan), Impact Factor = 1.184
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8. **Chanyal, B.C.**, Bisht, P.S., Negi, O.P.S. **2014.** Octonion electrodynamics in isotropic and chiral medium. ***International Journal of Modern Physics* A 29, 1450008.** (World Scientific Publication, Singapore), Impact Factor = 1.699.
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10. **Chanyal, B.C. 2014.** Octonion massive electrodynamics. ***General Relativity and Gravitation* 46, 1-15.** (Springer, Japan), Impact Factor = 1.771.
11. **Chanyal, B.C. 2014.** Sedenion unified theory of gravi-electromagnetism. ***Indian Journal of Physics* 88, 1197-1205.** (Springer, Japan), Impact Factor = 1.337
12. **Chanyal, B.C. 2014.** Role of octonion in gravity and dark matter. ***Clifford analysis, Clifford algebras and their Applications* 3, 121-129.** (I&S Florida, USA).
13. **Chanyal, B.C. 2014.** Octonionic matrix representation and electromagnetism. ***Journal of the Korean Physical Society* 65, 1715-1728**. (Springer, Japan), Impact Factor = 0.418.
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15. **Chanyal, B.C. 2015.** Split octonion reformulation of generalized linear gravitational field equations ***Journal of Mathematical Physics* 56, 051702.** (American Institute of Physics, USA), Impact Factor = 1.176.
16. **Chanyal, B.C.**, Sharma, V. K., Negi, O.P.S. **2015.** Octonionic Gravi-Electromagnetism and Dark Matter. ***International Journal of Theoretical Physics***, **54**, **3516-3532.** (Springer, Japan) Impact Factor = 1.184.
17. **Chanyal, B.C. 2015.** Classical Geometrodynamics with Zorn Vector-Matrix Algebra for Gravito-Dyons. ***Reports on Mathematical Physics* 76, 1-20. (**Elsevier, Netherlands **)** Impact Factor = 0.87
18. **Chanyal, B.C.,** Negi, O.P.S. **2015.** An Introduction to Octonion Electrodynamics. ***LAP Lambert Academic Publishing- Germany,*** ISBN 978-3-659-68051-9.
19. **Chanyal, B.C.**, Bisht P.S., Negi O.P.S. **2013.** Octonion in Superstring Theory. ***ViXra.org*** (viXra:1302.0070)
20. **Chanyal, B.C. 2013.** Split Octonion Electrodynamics and Energy-Momentum Conservation Laws for Dyons. ***ViXra.org*** (viXra:1302.0001)
21. **Chanyal, B.C. 2013.** Octonion Electrodynamics and Physics Beyond Standard Model ***ViXra.org*** (viXra:1301.0101)
22. **Chanyal, B.C. 2013.** Octonion Dark Matter ***ViXra.org*** (viXra:1302.0013)

23. Details of patents and income generated:

NIL

24. Areas of consultancy and income generated

NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

None

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)
None

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
None

28. Student projects:

As a matter of principle all students at PG level are required to undertake a research work in partial fulfillment of their Master's degree.

Percentage of students who have done in-house projects including inter-Departmental projects
The Department has introduced two years M.Sc. program in 2015 itself and students have completed only one semester, project research work in partial fulfillment of their Master's degree will be carried in their fourth semester.
Percentage of students doing projects in collaboration with other universities / industry / institute
NIL

29. Awards / recognitions received at the national and international level by

Faculty:	Nil, mainly because all faculty members joined University in August 2015.
Doctoral/Postdoctoral Fellows:	Department has not yet enrolled doctoral or postdoctoral fellows.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
NIL

31. Code of ethics for research followed by the Departments
As stipulated by the Internal Quality Assurance Cell.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	**Application received**	**Selected**		**Pass percentage (in Final Examination)**	
		Male	Female	Male	Female
MSc Integrated (2015)	69	28	15	Continue	Continue
MSc Physics (2015)	15	3	08	Continue	Continue

33. Diversity of Students

Name of the Programme	**% of students**	**% of students from other**	**% of students from**	**% of students**

(refer to question no. 4)	**from the same university**	**universities within the State**	**universities outside the State**	**from other countries**
MSc Integrated (2015)	0	86	14	0
MSc Physics (2015)	0	63	37	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NIL. Students have completed only one semester of five year integrated programme.

35. Student progression

Percentage of current faculty members who are graduates	**Percentage against enrolled**
UG to PG	NA
PG to M. Phil.	NA
PG TO Ph.D.	NA
Ph.D. to Post-Doctoral	NA

Department is fairly new. First batches of the five year integrated M.Sc. and M.Sc. Physics programmes are yet to be passed out.

36. Diversity of staff

Percentage of current faculty members who are graduates	
of the same university	0%
from other universities within the State	33%
from universities from other States from	67%
universities outside the country	0%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

NIL

38. Present details of Departmental infrastructural facilities with regard to

a) Library

Central Library with access to e-resources such as several e-journals. Development of a Departmental library for research scholars is under consideration.

b) Internet facilities for staff and students
The campus is wi-fi enabled.
c) Total number of class rooms
Two
d) Class rooms with ICT facility
The classrooms are equipped with ICT facility.
e) Students' laboratories
A Physics laboratory with various experiments is available.
A computer laboratory with 30 terminals and relevant software is available.
f) Research laboratories
Laboratories for experimental research are yet to be established.

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university: *NIL*

b) from other institutions/universities: *NIL*

40. Number of post graduate students getting financial assistance from the university.
NIL

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
Yes, the concept note for creation of Doon University as well as the Detailed Project Report (DPR) for the university and Departments were in fact need assessment exercises by experts drawn for the purpose. Hon'ble High Court directed Uttarakhand government to resolve the issue related with overburdened state of colleges for undergraduate studies.

42. Does the Department obtain feedback from
a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?

All faculty members through their participation in the staff meetings of Department are supposed to provide regular feedbacks on the curriculum as well as teaching learning evaluation to Academic Advisory Committee (in which all the faculty members and some external members nominated by the Vice Chancellor are members), IQAC as well as Academic Council. Department follows the instructions and the decisions of the AC and submits "action taken reports" before each Academic Council meeting.

b. students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?
IQAC of the university through its formal feedback system undertakes feedback surveys on all the courses undertaken by the Department. The survey also contains questions on quality of teaching and the performance of the faculty members associated with the course. IQAC as well as the office of the Vice Chancellor issues specific instructions to concerned faculty member based on the results of the survey.

c. alumni and employers on the programmes offered and how does the Department utilize the feedback?

Alumni of the Department do not exist as students from first batch have not yet passed out. In future, there is a provision of alumni feedback system run through the alumni cell of the university. Department also undertakes several efforts to reach the parents of the students to seek their feedback and report regarding the progress of their wards and Department. Such meetings create a lot of enthusiasm among parents. It also attracts some media attention about the Department's efforts to ensure transparency, accountability and participation (TAP).

43. List the distinguished alumni of the Department (maximum 10)

NIL

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Special Lectures/Seminars: Electromagnetic Theory and Special Theory of relativity by Professor V. K. Tripathi, IIT Delhi.

Workshops: *NIL*

45. List the teaching methods adopted by the faculty for different programmes.

SI	Programme	Teaching Method Adopted by the Faculty
1	Integrated M.Sc. Physics	Classroom Teaching, student seminars, assignments
2	MSc Physics	In addition to above, all courses have a practical component which involves various experiments.

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

***Monitoring Mechanism*:** Ensured through IQAC

***Student Faculty Committees*:** Students have representatives for SFC. SFC members meet regularly to review the activities of the Department.

***Faculty Advisories*:** Each student is assigned an advisor/mentor, who helps shaping the career of concerned student as well as to solve the problems faced by the students.

47. Highlight the participation of students and faculty in extension activities.

Students are encouraged and engaged usually in different extension activities being undertaken by the Department as well as Doon Science Club. These activities include participation in different competitions being held in university and outside, organizing extended classes, tutorials and remedial courses..

48. Give details of "beyond syllabus scholarly activities" of the Department.

Students participate in different workshops/ seminars organized by the Department and individual faculties in different forms. Students are usually given responsibility for management of these events and activities under active guidance of a faculty in charge.

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.

Not Applicable for a new Department.

50. Briefly highlight the contributions of the Department in generating new knowledge, basic or applied.

The Department commenced in 2015 and is in its early stage (1st year) of growth. All the present faculties of the Department are Doctorate from recognized universities and institutes of India with a diverse experience of research in collaboration with leading groups of the world. Hence, the Department foresees its possible contribution in basic and applied sciences through research activities in future.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths	Weaknesses
1. Highly competent, young, energetic and enthusiastic faculty members 2. Encouraging response from the larger society in terms of applications for admission in the Department. 3. Encouraging attitude of the state government (especially at the level of bureaucracy) in terms of promoting School of Physical Science including Department of Chemistry. 4. Presence of bright undergraduate students.	1. Infrastructure for experimental research is not yet on place. 2. Inadequacy of human resources and scarcity of faculty members.
Opportunities	**Challenges**
1.Guiding students to appear for competitive exams such as NET, JAM, JEST, GATE, SET, GRE, Defense and Civil Services and	1. To meet the aspiration of students in dynamic market situations. 2. To meet the standards of teaching

pursue their career in research in India and abroad. 2. Opportunity to create a strong foundation of Department in terms of high quality teaching and research. 3. Opportunity to develop human resource in line with the requirement of industry.	and research with scant human resources. 3. To develop laboratories for experimental research with limited financial support by university.

52. Future plans of the Department.

As per the mandates of School of Physical Sciences, Department of Physics plans to evolve as an institution of higher learning in terms of teaching and research in economics. Towards this, the medium and longer terms plans of the Department are as highlighted below.

Short-Term/ Medium Term Plans:

- To equip the Department with the state of the art teaching and research facilities in terms of organized and well equipped laboratories for independent as well as collaborative interdisciplinary research.
- To build capacities of the students of the Department to get placed in remunerative jobs so that a better profile of the Department is created in due course.
- To start new course such as Ph.D. in various fields of Physics and involve the Department in various research related activities.
- To start certificate courses for industrial and research relevance.

Long term Goals

- To evolve as one of the top institutions of learning and research in Physics in the country and to get good rankings in the national ratings for Departments imparting education in Physics.
- To eventually evolve as a research institution in fundamental and applied research in Physics and to realign the programmes to have more research orientation.
- To carry out high quality research as to spin off technology and to procure research fundings and improve infrastructural facilities.

1. Name of the Department:

Department of Chemistry, School of Physical Sciences.

(Note: As per the DPR of the university, the School has four Departments under its purview: Department of Chemistry, Department of Physics, Department of Mathematics and Department of Computer Sciences.**)**

2. Year of establishment

July 2015

3. Is the Department part of a School/Faculty of the university?

Yes, Department of Chemistry is part of School of Physical Sciences, Doon University

(Note: As per the mandate of the university, all the Departments and schools ought to foster interdisciplinary learning and research. Though the Department of Chemistry is operationally governed as a part of School of Physical Sciences, in the academic front, it supports and takes support from other Departments and Schools such as School of Environment and Natural Resource Management, School of Languages and School of Communication.**)**

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

At present, the Department offers Five Year Integrated M.Sc. programme only. Department is also going to introduce a two year M.Sc. and Ph.D. programme from the next session.

5. Interdisciplinary programmes and Departments involved

Five year integrated M.Sc. programme is being run with the involvement of other disciplines. According to the UGC's Choice Based Credit System (CBCS), students are supposed to opt various Generic Courses offered by other Departments such as Department of Physics, Chemistry and Mathematics etc. *Compulsory Ability Enhancement Courses* are offered by School of Environment and Natural Resources as well as School of Languages.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Currently, no course is being conducted in the collaboration with other universities and institutions. But, the Department is proactively working on building such collaborations with prime institutions located nearby such as Indian Institute of Petroleum, Dehradun.

7. Details of programmes discontinued, if any, with reasons

No programme has been discontinued so far.

8. Examination System

Choice Based Credit System (CBCS)

9. Participation of the Department in the courses offered by other Departments

Students can opt for courses from other Departments in the form of Generic Elective Courses and Compulsory Ability Enhancement Courses. Generic Elective Courses (offered by other Departments such as Department of Physics, Department of Computer Sciences and Department of Mathematics) are opted by students of Department of Chemistry. Compulsory Ability Enhancement Courses are offered by School of Environment and Natural Resources as well as School of Languages.

Course Title	Operating Department
Mechanics Elective	Department of Physics
Environmental Studies	School of Environment and Natural Resources
Finite Element Method	Department of Mathematics
Introduction to Programming in C	Department of Computer Science

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	NIL	NIL	–
Associate Professors	NIL	NIL	–
Asst. Professors	03	03	03
Others	–	–	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
Dr. Arun Kumar	Ph.D.	Assistant Professor	Organic and Organometallic Chemistry	More than 05 years	NIL
Dr. Charu Dwivedi	Ph.D.	Assistant Professor	Physical Chemistry	Around 03 years	NIL
Dr. Sameena Mehtab	Ph.D.	Assistant Professor	Inorganic Chemistry	More than 06 years	NIL

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors (including present and past associations)

Prof. M.S.M. Rawat, Former Vice Chancellor, HNB Garhwal University, Uttarakhand.

13. Percentage of classes taken by temporary faculty – programme-wise information

NIL

14. Programme-wise Student Teacher Ratio

Ratio in Five Year Integrated M.Sc. course 10:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual (including CAS & MPS)
Academic support staff (Lab Assistant)	01	01	

16. Research thrust areas as recognized by major funding agencies

Research Thrust Areas	Funding Agencies
NA	NA

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

NIL

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration: NIL

b) International collaboration: NIL

19. Departmental projects funded by DST−FIST; UGC−SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Faculty members are in process to submit the proposals to various funding agencies.

20. Research facility / centre with /State recognition /National recognition /International recognition

Infrastructure for experimental research is yet to be established in Department of Chemistry.

21. Special research laboratories sponsored by / created by industry or corporate bodies

NIL at present

22. Publications

Dr. Arun Kumar		Dr. Charu Dwivedi	
Number of Papers Published in peer reviewed journals (National/ International)	:25	Number of Papers Published in peer reviewed journals (National/ International)	:20
Monographs	: NIL	Monographs	:NIL
Chapters in Books	: NIL	Chapters in Books	:NIL
Edited books	: NIL	Edited books	:NIL
Books with ISBN with details of publishers	: NIL	Books with ISBN with details of publishers	:NIL
Number listed in International Database (e.g. Web of Science, Scopus. Humanities International Complete, DARE database, International Social Sciences Directory, EBSCO host etc.)	:NIL	Number listed in International Database (e.g. Web of Science, Scopus. Humanities International Complete, DARE database, International Social Sciences Directory, EBSCO host etc.)	:NIL
Citations: Range: Average:	:3−53 :18	Citations: Range Average	: 1−70 : 11
Impact Factor: Range: Average:	2 to 6	Impact Factor: Range Average	:0.9-6.7 : 3.27
H-Index	14	H-Index	7

List of Publications

(a) Dr. Arun Kumar

1) Shakya, M., Sharma, P., Meryem, S.S., Mahmood, Q., **Kumar, A.,* 2015**. Heavy metal removal from industrial wastewater using fungi: uptake mechanism and biochemical aspects. ***ASCE Journal of Environmental Engineering*** (American Society of Civil Engineers, USA), Impact Factor = 1.117. Accepted Manuscript. DOI: 10.1061/(ASCE)EE.1943-7870.0000983, C6015001.

2) Rao, G.K., **Kumar**, **A.**, Saleem, F., Singh, M.P., Kumar, S., Kumar, B., Mukherjee, G., Singh, A.K., **2015**. Palladium(II)-1-phenylthio-2-arylchalcogenoethane complexes: palladium phosphide nano-peanut and ribbon formation controlled by chalcogen and Suzuki coupling activation. ***Dalton Transactions***, 44, 6600−6612 (The Royal Society of Chemistry, UK), Impact Factor = 4.197.

3) Kumar, S., Rao, G.K., **Kumar**, **A.**, Singh, M.P., Saleem, F., Singh, A.K., **2015**. Efficient catalytic activation of Suzuki–Miyaura C–C coupling reactions with recyclable palladium nanoparticles tailored with sterically demanding di-*n*-alkyl sulfides. ***RSC Advances***, *5*, 20081−20089 (The Royal Society of Chemistry, U.K.), Impact Factor = 3.84.

4) Saleem, F., Rao, G.K., **Kumar**, **A**., Kumar, S., Singh, M.P., Singh, A.K., **2014**. Palladium(II) complexes bearing the 1,2,3-triazole based organosulfur/ selenium ligand: synthesis, structure and applications in Heck and Suzuki–Miyaura coupling as a catalyst via palladium nanoparticles. ***RSC Advances***, 4, 56102−56111. (The Royal Society of Chemistry, UK), Impact Factore = 3.84.

5) **Kumar**, **A**., Rao, G.K., Kumar, S., Singh, A.K., **2014**. Formation and role of palladium chalcogenide and other species in Suzuki-Miyaura and Heck C−C coupling reactions catalyzed with palladium(II) complexes of organochalcogen ligands: realities and speculations. ***Organometallics***, 33, 2921−2943 (American Chemical Society, USA), Impact Factor = 4.126. Citations = 27. *Appeared among Most Read Articles Highlighted in ChemInform*, 2014, *45*, no; **DOI:** 10.1002/chin.2014333280

6) **Kumar**, **A**., Rao, G.K., Saleem, F., Kumar, R., Singh, A.K., **2014**. Efficient catalysis of Suzuki−Miyaura C−C coupling reactions with palladium (II) complexes of partially hydrolysed bisimine ligands: A process important in environment context. ***Journal of Hazardous Materials***, 269, 9−17 (Elsevier, The Netherlands), Impact Factor = 4.529. Citations = 4.

7) Saleem, F., Rao, G.K., **Kumar**, **A**., Mukherjee, G., Singh, A.K., **2014**. Catalyst activation with Cp^*Rh^{III}/Ir^{III}–1,2,3-triazole-based organochalcogen ligand complexes: transfer hydrogenation via loss of Cp* and N-methylmorpholine N-oxide based vs Oppenauer-type oxidation, ***Organometallics***, 33, 2341–2351 (American Chemical Society, USA), Impact Factor = 4.126.

8) Rao, G.K., **Kumar**, A., Bhunia, M., Singh, M.P., Singh, A.K., **2014**. Complex of 2-(methylthio)aNiline with palladium(II) as an efficient catalyst for Suzuki-Miyaura C−C coupling in eco-friendly water. ***Journal of Hazardous Materials***, 269, 18−23 (Elsevier, The Netherlands), Impact Factor = 4.529. Citations = 3.

9) Rao, G.K., **Kumar**, **A**., Singh, M.P., Singh, A.K. **2014**. Influence of pendent alkyl chains on Heck and Sonogashira C−C coupling catalyzed with palladium(II) complexes of selenated Schiff bases having liquid crystalline properties. ***Journal of Organometallic Chemistry***, 753, 42−47 (Elsevier, The Netherlands), Impact Factor = 2.173
(*Highlighted in ChemInform*, 2014, *45*, no; DOI: 10.1002/chin.201430044)

10) Rao, G.K., **Kumar**, **A**., Singh, M.P., Singh, A.K., **2014**. Palladium(II) complex of an organotellurium ligand as a catalyst for Suzuki Miyaura coupling: generation and role of nano-sized Pd_3Te_2. ***Journal of Organometallic Chemistry***, 749, 1−6 (Elsevier, The Netherlands), Impact Factor = 2.173. Citations = 14.
(*Highlighted in ChemInform*, 2014, *45*, no; DOI: 10.1002/chin.201430096)

11) Kumar, S., Rao, G.K., **Kumar**, **A**., Singh, M.P., Singh, A.K., **2013**. Palladium(II)-(E,N,E) pincer ligand (E = S/Se/Te) complex catalyzed Suzuki coupling reactions in water via in situ generated palladium

quantum dots. ***Dalton Transactions***, 42, 16939−16948 (The Royal Society of Chemistry, UK), Impact Factor = 4.197. Citations = 13.

12) Saleem, F., Rao, G.K., **Kumar**, **A**., Mukherjee, G., and Singh, A.K., **2013**. Half sandwich ruthenium(II) complexes of click generated 1,2,3-triazole based organosulfur/-selenium ligands: structural and donor site dependent catalytic oxidation and transfer hydrogenation aspects. ***Organometallics***, 32, 3595−3603 (American Chemical Society, USA), Impact Factor = 4.126. Citations = 18.

13) Rao, G.K., **Kumar**, **A**., Kumar, S., Dupare, U.B., Singh, A.K., **2013**. Palladacycles of thioethers catalyzing Suzuki−Miyaura C−C coupling: generation and catalytic activity of nanoparticles. ***Organometallics***, 32, 2452−3458 (American Chemical Society, USA), Impact Factor = 4.126. Citations = 21.

14) **Kumar**, **A**., Rao, G.K., Kumar, S., Singh, A.K., **2013**. Organosulphur and related ligands in Suzuki-Miyaura C−C coupling. ***Dalton Transactions***, *42*, 5200−5223 (The Royal Society of Chemistry, UK), Impact Factor = 4.197. Citations = 28.
Highlighted in ChemInform, 2013,44, no; DOI: 10.1002/chin.201326208

15) **Kumar**, **A**., Rao, G.K., Singh, A.K., **2012**. Organochalcogen ligands and their palladium(II) complexes: synthesis to catalytic activity for Heck coupling, ***RSC Advances***, 2, 12552−12574. (The Royal Society of Chemistry, UK), Impact Factor = 3.84. Citations = 26.
Highlighted in ChemInform, 2013, 44, no; DOI: 10.1002/chin.201308191

16) **Kumar**, **A**., Rao, G.K., Saleem, F., Singh, A.K., **2013**. Organoselenium ligands in catalysis. ***Dalton Transactions***, 11949−11977 (The Royal Society of Chemistry, UK), Impact Factor = 4.197. Citations = 30.
Highlighted in ChemInform, 2013, 44, no; DOI: 10.1002/chin.201303206

17) Singh, V.V., Rao, G.K., **Kumar**, **A**., Singh, A.K., **2012**. Palladium(II)–selenoether complexes as new single source precursors: first synthesis of Pd_4Se and Pd_7Se_4 nanoparticles. ***Dalton Transactions*** 41, 1142−1145 (The Royal Society of Chemistry, UK), Impact Factor = 4.197. Citations = 18. *Appeared as Hot Article*

18) Rao, G.K., **Kumar**, **A**., Kumar, B., Kumar, D., Singh, A.K., **2012**. Palladium(II)-selenated Schiff base complex catalyzed Suzuki–Miyaura coupling: dependence of efficiency on alkyl chain length of ligand. ***Dalton Transactions*** 41, 1931−1937 (The Royal Society of Chemistry, UK), Impact Factor = 4.197. Citations = 47.
Appeared as Cover Page and Hot Article

19) Rao, G.K., **Kumar**, **A**., Kumar, B., Singh, A.K., **2012**. Didocosyl selenide stabilized recyclable Pd(0) nanoparticles and coordinated palladium(II) as efficient catalysts for Suzuki–Miyaura coupling. ***Dalton Transactions*** 41, 4306−4309. (The Royal Society of Chemistry, UK), Impact Factor = 4.197. Citations = 17.

20) Singh, P., Das, D., **Kumar**, **A**., Singh, A.K., **2012**. Palladiumd(II) complexes of N-{2-(aryltelluro)ethyl}morpholine/piperidine: Synthesis,

structure, application in Heck coupling and unprecedented conversion into nano-sized PdTe. ***Inorganic Chemistry Communications*** 15, 163−166 (Elsevier, The Netherlands), Impact Factor = 1.777. Citations = 8.

21) Rao, G.K., **Kumar**, **A**., Ahmed, J., Singh, A.K. **2010**. Palladacycle containing nitrogen and selenium: highly active pre-catalyst for Suzuki-Miyaura coupling reaction and unprecedented conversion into nano sized $Pd_{17}Se_{15}$. ***Chemical Communications*** 46, 5954−5956 (The Royal Society of Chemistry, UK), Impact Factore = 6.834. Citations = 54. *Highlighted in ChemInform*, 2011, *42*, no; DOI: **DOI:** 10.1002/chin.201101065

22) **Kumar**, **A**., Agarwal, M., Singh, A.K., **2009**. Palladium(II), platinum(II), ruthenium(II) and mercury(II) complexes of potentially tridentate Schiff base ligands of (E, N, O) type (E = S, Se, Te): Synthesis, crystal structures and applications in Heck and Suzuki C−C coupling reactions. ***Inorganica Chimica Acta*** 362, 3208−3218 (Elsevier, The Netherlands), Impact Factor = 2.046. Citations = 50.

Certified among Top 25 Hottest Articles

23) **Kumar**, **A**., Agarwal, M., Singh, A.K., **2008**. Schiff bases of 1'–hydroxy–2'–acetonaphthone containing chalcogen functionalities and their complexes with (p–cymene)Ru(II), Pd(II), Pt(II) and Hg(II) : synthesis, structures and applications in C−C coupling reactions. ***Journal of Organometallic Chemistry*** 693, 3533−3545 (Elsevier, The Netherlands), Impact Factor = 2.173. Citations = 38.

Certified among Top25Hottest Articles

24) **Kumar**, **A**., Agarwal, M., Singh, A.K., **2008**. Selenated Schiff bases of 2–hydroxyacetophenone and their palladium(II) and platinum(II) complexes: syntheses and crystal structures and applications in Heck reaction. ***Polyhedron*** 27, 485−492 (Elsevier, The Netherlands), Impact Factor = 2.0111. Citations = 36.

Certified among top 25 Hottest Articles

25) **Kumar**, **A**., Singh, A.K., **2007**. First ditelluride containing Schiff base functionality: synthesis and instantaneous ligand exchange with other ditelluride investigated by ^{125}Te NMR. ***Inorganic Chemistry Communications*** 10, 1315−1317 (Elsevier, The Netherlands), Impact Factor = 1.777. Citations = 3.

b) Dr. Charu Dwivedi

PATENT

1) A method for synthesis of resol beads having good control over their size. **Dwivedi,C**., Singh,K. K., Kumar, M., Singh, I. J., Bajaj, P. N., **2012**. (In Process).

JOURNALS

1) Chaudhary, A.,**Dwivedi, C**., Gupta, A., Nandi, C. K, **2015**.Lysine and dithiothreitol promoted ultrasensitive optical and colorimetric detection

of mercury using anisotropic gold nanoparticles, ***Journal of Materials Chemistry C***3, 6962-6965(Royal Society of Chemistry, United Kingdom), Impact Factor = 4.696.

2) Chaudhary, A., **Dwivedi, C.**, Gupta, A., Nandi, C. K. **2015.** One pot synthesis of doxorubicin loaded gold nanoparticles for sustained drug release,***RSC Advances*** 5, 97330-97334 (Royal Society of Chemistry, United Kingdom), Impact Factor = 3.84.

3) **Dwivedi, C**., Chaudhary, A., Gupta, A., Nandi, C. K., **2015.**Direct visualization of lead corona and its nanomolar colorimetric detection using anisotropic gold nanoparticles. ***ACS Applied Materials and Interfaces*** *7* (9), 5039-5044 (American Chemical Society, United States of America), Impact Factor = 6.7. Citation = 8.

4) Gupta, A., Chaudhary, A., Mehta,P., **Dwivedi, C**., Khan, S., Verma, N. C., Nandi, C. K.,**2015**.Nitrogen Doped Thiol Functionalized Carbon Dots for Ultrasensitive Hg (II) Detection, ***Chemical Communication*** 51, 10750-10753(Royal Society of Chemistry, United Kingdom), Impact Factor = 6.718. Citation = 7.

5) **Dwivedi, C.,** Pathak, S. K., Kumar, M., Tripathi, S. C., Bajaj, P. N., **2015.**Preparation and characterization of potassium nickel hexacyanoferrate-loaded hydrogel beads for the removal of cesium ions. ***Environmental Science: Water Research & Technology*** *1* (2), 153-160(Royal Society of Chemistry, United Kingdom), Impact Factor = Pending.

6) **Dwivedi, C**., Gupta, A., Chaudhary, A., Nandi, C. K.,**2014.**Gold nanoparticle chitosan composite hydrogel beads show efficient removal of methyl parathion from waste water**.** ***RSC Advances*** *4* (75), 39830-39838(Royal Society of Chemistry, United Kingdom), Impact Factor = 3.84. Citation = 1.

7) Singh, K., Shah, C.,**Dwivedi, C**., Kumar, M., Bajaj, P. N., **2013.**Study of uranium adsorption using amidoximated polyacrylonitrile- encapsulated macroporous beads. ***Journal of Applied Polymer Science*** *127* (1), 410-419(John Wiley & Sons, United States of America), Impact Factor = 1.64. Citation = 19.

8) Pathak, S. K., Tripathi, S. C., Singh, K. K., Mahtele, A. K.,**Dwivedi, C**., Juby, K. A., Kumar, M., Gandhi, P. M., Bajaj, P. N.**2013.** PC-88A - Impregnated polymeric beads: Preparation, characterization and application for extraction of Pu(IV) from nitric acid medium. ***Radiochimica Acta*** *101* (12), 761-771(R. Oldenbourg, Germany), Impact Factor = 1.411. Citation = 2.

9) **Dwivedi, C**., Toley, M. A., Dey, G. R., Das, T. N., **2013.**Ozone Generation from Argon-Oxygen Mixtures in Presence of Different Packing Materials within Dielectric Barrier Discharge Gap. ***Ozone: Science and Engineering*** *35* (2), 134-145(Taylor & Francis Group, United Kingdom), Impact Factor = 0.93. Citation = 3.

10) **Dwivedi, C**., Pathak, S. K., Kumar, M., Tripathi, S. C., Bajaj, P. N.,**2013.**Removal of cesium by spherical resorcinol-formaldehyde resin beads: Sorption and kinetic studies. ***Journal of Radioanalytical and Nuclear Chemistry*** *297* (1), 1-8(Springer Science Business Media, Germany), Impact Factor = 1.03. Citation = 5.

11) **Dwivedi, C**., Pathak, S. K., Kumar, M., Tripathi, S. C., Bajaj, P. N.,**2013.**Potassium cobalthexacyanoferrate-gel beads for cesium removal: Kinetics and sorption studies., ***RSC Advances*** *3* (44), 22102-22110(Royal Society of Chemistry, United Kingdom), Impact Factor = 3.84. Citation = 7.

12) **Dwivedi, C.,** Kumar, A., Singh, K. K., Juby, A. K., Kumar, M., Wattal, P. K., Bajaj, P. N.,**2013.**Copper hexacyanoferrate-polymer composite beads for cesium ion removal: Synthesis, characterization, sorption, and kinetic studies. ***Journal of Applied Polymer Science*** *129* (1), 152-160(John Wiley & Sons, United States of America), Impact Factor = 1.64. Citation = 8.

13) Juby, K. A.,**Dwivedi, C**., Kumar, M., Kota, S., Misra, H. S., Bajaj, P. N., **2012.**Silver nanoparticle-loaded PVA/gum acacia hydrogel: Synthesis, characterization and antibacterial study. ***Carbohydrate Polymers*** *89* (3), 906-913(Elsevier, Netherlands), Impact Factor = 4.07. Citation = 70.

14) **Dwivedi, C.,** Raje, N., Nuwad, J., Kumar, M., Bajaj, P. N., **2012.** Synthesis and characterization of mesoporous titania microspheres and their applications. ***Chemical Engineering Journal*** *193-194*, 178-186(Elsevier, Netherlands), Impact Factor = 4.32. Citation = 18.

15) **Dwivedi, C.,**Raje, N., Kumar, M., Reddy, A. V. R., Bajaj, P. N., **2012.**Application of synthesized mesoporous titania microspheres for arsenic [(III) and (V)] uptake studies. ***Journal of Radioanalytical and Nuclear*** *Chemistry 294* (1), 131-136(Springer Science Business Media, Germany), Impact Factor = 1.03. Citation = 2.

16) **Dwivedi, C**., Kumar, A., Juby, K. A., Kumar, M., Wattal, P. K., Bajaj, P. N., **2012.**Preparation and evaluation of alginate-assisted spherical resorcinol-formaldehyde resin beads for removal of cesium from alkaline waste. ***Chemical Engineering Journal*** *200-202*, 491-498(Elsevier, Netherlands), Impact Factor = 4.32. Citation = 8.

17) **Dwivedi, C.,**Kumar, A., Ajish, J. K., Singh, K. K., Kumar, M., Wattal, P. K., Bajaj, P. N.,**2012.**Resorcinol-formaldehyde coated XAD resin beads for removal of cesium ions from radioactive waste: Synthesis, sorption and kinetic studies**.** ***RSC Advances*** *2* (13), 5557-5564(Royal Society of Chemistry, United Kingdom), Impact Factor = 3.84. Citation = 16.

18) Kumar, M.,**Dwivedi, C**., Shah, C. P., Singh, K., Bajaj, P. N., **2011.** An organic acid-induced synthesis and characterization of selenium nanoparticles. ***Journal of Nanotechnology***651971(Hindawi Publishing Corporation, Egypt), Impact Factor = Pending. Citation = 6.

19) Shah, C. P., Singh, K., **Dwivedi, C.**, Kumar, M., Bajaj, P. N.,**2010.**Synthesis and characterization of sodium selenosulphate induced PVA-capped gold nanoparticles. ***Advanced Science Letters*** *3* (3), 288-294(American Scientific Publishers, United States of America), Impact Factor = 1.25. Citation = 6.

20) Shah, C. P., **Dwivedi**, **C**., Singh, K. K., Kumar, M., Bajaj, P. N., **2010.** Riley oxidation: A forgotten name reaction for synthesis of selenium nanoparticles. ***Materials Research Bulletin*** *45* (9), 1213-1217(Elsevier, Netherlands), Impact Factor = 2.368. Citation = 6.

Note: Department of Chemistry has been started in July 2015 and faculty members have also been recruited in this month. Therefore, above mentioned details of publications belong to the research work of a concerned faculty member which he/she carried out before joining Doon University.

23. Details of patents and income generated
NIL

24. Areas of consultancy and income generated
NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
Dr. Arun Kumar

- ► Plenary Lecture in 4th International Conference on Research Frontiers in Chalcogen Cycle Science and Technology (G16), organized by UNESCO−IHE in Delft, The Netherlands on 28−29 May 2015.
- ► Attended a Short Term Course "Nanotechnology: Basics and Applications in Chemical Engineering" during 22/06/2015 to 26/06/2015 (one week), organised by Quality Improvement Programme Centre of I.I.T. Roorkee.

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)
NIL

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
All faculties are encouraged to go for recharge programs.
Dr. Arun Kumar attended a Short Term Course "Nanotechnology: Basics and Applications in Chemical Engineering" during 22/06/2015 to 26/06/2015 (one week), organised by Quality Improvement Programme Centre of I.I.T. Roorkee.

28. Student projects
As the Department has introduced Five Year Integrated M.Sc. program in 2015 itself and students have completed only one semester, project research work in partial fulfillment of their Master's degree has not yet been started.

●*Percentage of students who have done in-house projects including inter-Departmental projects*

Not applicable at present.

●*Percentage of students doing projects in collaboration with other universities / industry / institute*

Not applicable at present.

29. Awards / recognitions received at the national and international level by

●Faculty: Nil, mainly because all faculty members joined University Jul−Sep 2015.

●Doctoral/Postdoctoral Fellows: Department has not yet enrolled doctoral or postdoctoral fellows.

●Students: Two students (**Charu Negi** and **Sudhanshu Naithani**) have been selected for a camp of *NIUS* (*National* Initiative for Undergraduate Science), being organized by Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research (TIFR) during 23−31 December 2015.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Not yet.

31. Code of ethics for research followed by the Departments

As stipulated by the Internal Quality Assurance Cell.

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	**Application received**	**Selected**		**Pass percentage**	
		Male	Female	Male	Female
MSc Integrated (2015)	69	7	24	Continue	Continue

33. Diversity of Students

Name of the Programme (refer to question no. 4)	**% of students from the same university**	**% of students from other universities within the State**	**% of students from universities outside the State**	**% of students from other countries**
MSc Integrated	NA	NA	NA	NA

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NA. Students have completed only one semester of five year integrated programme

35. Student progression

Department is fairly new. First batch of the five year integrated M.Sc. programme is yet to pass out.

36. Diversity of staff

Percentage of current faculty members who are graduates	
of the same university	NIL
from other universities within the State	33%
from universities from other States from	67%
universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

NIL

38. Present details of Departmental infrastructural facilities with regard to

a) Library

Central Library with access to e-resources such as several e-journals. Development of a Departmental library for research scholars is under consideration.

b) Internet facilities for staff and students

The campus is Wi-Fi enabled.

c) Total number of class rooms

One

d) Class rooms with ICT facility

The classroom is equipped with ICT facility.

e) Students' laboratories

A computer lab with 30 terminals and relevant software is available.

f) Research laboratories

Laboratories for experimental research are yet to be established.

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university: *NIL*

b) from other institutions/universities: *NIL*

40. Number of post graduate students getting financial assistance from the university.

NIL

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, the concept note for creation of Doon University as well as the Detailed Project Report (DPR) for the university and Departments were in fact need assessment exercises by experts drawn for the purpose. Hon'ble High Court directed Uttarakhand government to resolve the issue related with overburdened state of colleges for undergraduate studies. Meeting of academic advisory committee of Department will be called upon very soon to carry out need assessment exercises for launching new two year M.Sc. programme.

42. Does the Department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?

All faculty members through their participation in the staff meetings of Department are supposed to provide regular feedbacks on the curriculum as well as teaching learning evaluation to Academic Advisory Committee (in which all the faculty members and some external members nominated by the Vice Chancellor are members), IQAC as well as Academic Council (AC). Department follows the instructions and the decisions of the AC and submits "action taken reports" before each Academic Council meeting.

b. students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

IQAC of the university through its formal feedback system undertakes feedback surveys on all the courses undertaken by the Department. The survey also contains questions on quality of teaching and the performance of the faculty members associated with the course. IQAC as well as the office of the Vice Chancellor issues specific instructions to concerned faculty member based on the results of the survey.

c. alumni and employers on the programmes offered and how does the Department utilize the feedback?

Alumni of the Department do not exist as students from first batch have not yet passed out. In future, there is a provision of alumni feedback system run through the alumni cell of the university. Department also undertakes several efforts to reach the parents of the students to seek their feedback and report regarding the progress of their wards and Department. Such meetings create a lot of enthusiasm among parents. It also attracts some media attention about the Department's efforts to ensure transparency, accountability and participation (TAP)

43. List the distinguished alumni of the Department (maximum 10)
NIL

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
Special Lectures/Seminars: *A forum entitled* 'Doon Science Club*' has been constituted to organize special lectures/seminars.*

Workshops: *NIL*

45. List the teaching methods adopted by the faculty for different programmes.

Sl	Programme	Teaching Method Adopted by the Faculty
1.	Integrated M.Sc. Chemistry	Classroom teaching, student seminars, assignments.
		In addition to above, all courses have a practical component which involves various experiments.

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

Monitoring Mechanism: Ensured through IQAC

***Student Faculty Committees*:** Students have representatives for SFC. SFC members meet regularly to review the activities of the Department.

***Faculty Advisories*:** Each student is assigned an advisor/mentor, who helps shaping the career of concerned student as well as to solve the problems faced by the students.

47. Highlight the participation of students and faculty in extension activities.
Students are encouraged and engaged usually in different extension activities being undertaken by the Department as well as Doon Science Club. These activities include participation in different competitions being held in university and outside, organizing extended classes, tutorials and remedial courses.

48. Give details of "beyond syllabus scholarly activities" of the Department.
Students participate in different workshops/ seminars organized by the Department and individual faculties in different forms. Students are usually given responsibility for management of these events and activities under active guidance of a faculty in charge.

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.
Not applicable for a new Department.

50. Briefly highlight the contributions of the Department in generating new knowledge, basic or applied.

Not applicable for a new Department

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths	Weaknesses
[1] Highly competent, young, energetic and enthusiastic faculty members [2] Encouraging response from the larger society in terms of applications for admission in the Department. [3] Encouraging attitude of the state government (especially at the level of bureaucracy) in terms of promoting School of Physical Science including Department of Chemistry. [4] Presence of bright undergraduate students.	[1] Lesser number of faculty members, which is a limiting factor to launch new courses/programmes in the Department. [2] Infrastructure for experimental research is not yet on place. Faculty has to rely on School of Environment and Natural Resources (SENR) of Doon University for the same.
Opportunities	**Challenges**
[1] Opportunity to start new programmes such as M.Sc. Biochemistry, B.Sc. Forensic Science etc., which are not being offered by other institutions/universities within Uttarakhand. [2] Opportunity to create a strong foundation of Department in terms of high quality teaching and research. [2] Opportunity to develop human resource in line with the requirement of industry.	[1] To meet the aspiration of students in dynamic market situations. [2] To meet the standards of teaching and research with scant human resources. [3] To develop laboratories for experimental research with limited financial support by university.

52. Future plans of the Department.

As per the mandates of School of Physical Sciences, Department of chemistry plans to evolve as an institution of higher learning in terms of teaching and research in chemistry. Towards this, the medium and longer terms plans of the Department are as highlighted below.

Short-Term/ Medium Term Plans

(a) To equip the Department with the state of the art teaching and research facilities in terms of organized and well equipped laboratories for independent as well as collaborative interdisciplinary research.

(b) To start new courses such as M.Sc. in Chemistry, M.Sc. in Biochemistry, B.Sc. (Honours) in Forensic Science and Ph.D. in various fields of chemistry.

(c) To develop high quality human resource in terms of passing out students of very first batch of the Department.

(d) To ensure job opportunities for passing out students.

Long term Goals

(a) To evolve as one of the top institutions of learning and research in chemistry in the country and to get good rankings in the national ratings for Departments imparting education in chemistry.

(b) To eventually evolve as a research institution in fundamental and applied chemistry research and to realign the programmes to be more research orientation.

1. Name of the Department:
Department of Mathematics, School of Physical Sciences.

(Note: As per the DPR of the university the School has four departments under its purview. Department of Mathematics, Department of Physics, Department of Chemistry and Department of Computer Science.**)**

2. Year of establishment:
July 2015

3. Is the Department part of a School/Faculty of the university?
Yes, Department of Mathematics is a part of School of Physical Sciences, Doon University

(Note: However, as per the mandate of the University, all the departments and schools ought to foster interdisciplinary learning and research. Therefore, although the Department of Mathematics is operationally governed as a part of School of Physical Sciences, in the academic front, it supports and takes support from other departments, School of Environment and Natural Resource Management, School of Languages and School of Communication.**)**

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
The School currently offers three programmes as below.

a) M.Sc. Mathematics -Two Years (Intake Capacity-20): Eligibility for Admission –through University Entrance after a Bachelor's Degree from any recognized University
b) M.Sc. Mathematics -Five Years Integrated (Intake Capacity-60): Eligibility for Admission –through University Entrance after a 10+2 Degree from any recognized Board

5. Interdisciplinary programmes and departments involved`
All the programme are truly run by Mathematics Department.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
We currently do not run any course in collaboration with other universities and institutions. But we are proactively looking for such opportunities.

7. Details of programmes discontinued, if any, with reasons:
No prograamme was discontinued so far.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Choice Based Credit System

(Note: As per the advice of the Vice Chancellor, efforts were taken to modify all credit structure as per the Choice Based Credit System (CBCS) as proposed by the UGC and to modify some courses in the nature of core courses as per model syllabus of UGC. The Department of Mathematics has adopted the course structure and credit distribution systems as proposed by CBCS. The

syllabi of the core courses have also adopted the CBCS system. However, the specialization courses have their own syllabus as per the mandate of the Academic Advisory Board and the Academic Council.)

9. Participation of the department in the courses offered by other departments

Students can opt for courses from other department as 2-4 credit courses. Faculties of the departments are occasionally involved in teaching specific courses run by other Departments. A list of such courses and the operating Department are as below.

Course Title / Offering School	Operating Department/School
Chemistry Elective/School of Physical Science (SOPS)	Department of Chemistry/ School of Physical Science (SOPS)
Introduction to Programming in C/ School of Physical Science (SOPS)	Department of Computer Science/ School of Physical Science (SOPS)
Environmental Studies/SENR	School of Environment and Natural Resources (SENR)
Mechanics Elective/ School of Physical Science (SOPS)	Department of Physics/ School of Physical Science (SOPS)
Mathematics-I/School of Technology(SOT)	Department of Mathematics/ School of Physical Science (SOPS)
Computer Based Numerical Techniques (CBNST)/ School of Technology (SOT)	Department of Mathematics/ School of Physical Science (SOPS)

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	–	–	–
Associate Professors	–	–	–
Asst. Professors	3	3	3
Others	–	–	–

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PH.D./M.Phil. students guided for the last 4 years
Dr. Sarita Singh	Ph.D, M.Sc.	Asst. Prof.	Biomechanics, Mathematics	05Years (After PhD)	NA
Dr. A.R. Gairola	Ph.D, M.Sc.	Asst. Prof.	Pure Mathematics	06Years (After PhD)	NA
Dr. Komal	Ph.D, M.Sc.	Asst. Prof.	Reliability Analysis	05Years(After PhD)	NA

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors (including present and past associations)

Not Applicable

13. Percentage of classes taken by temporary faculty – programme-wise information

M.Sc. Mathematics (Two Years)	M.Sc. Five Years Integrated
NA	NA

14. Programme-wise Student Teacher Ratio

M.Sc. Mathematics (Two Years)	M.Sc. Five Years Integrated
10:1	10:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual (including CAS & MPS)
Academic support staff (technical)	1		
Administrative staff	1		1

16. Research thrust areas as recognized by major funding agencies
Not Applicable

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sl. No.	Title of the Grant Project/Consultancy	Nature of Grant	PI/Co-PI/ Convener	Sponsoring Agency	Grant Received/Mobilised
1.	Dr. Komal	Startup Grant Project from UGC		UGC	Project is under transfer process from HNBGU to Doon University

18. Inter-institutional collaborative projects and associated grants received
a) National collaboration b) International collaboration
Not Applicable

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
Not Applicable

20. Research facility / centre with /State recognition /National recognition /International recognition

- State recognition (YES)
- National recognition (YES)
- International recognition (NO)

21. Special research laboratories sponsored by / created by industry or corporate bodies
Not Applicable

22. Publications:

1. **Sarita**, Katiyar, V.K., Pradhan, P. **2009.** Analytical Study of heart rate breathing by using convolution integral, Indian Journal of Biomechanics, Special issue IITR, Roorkee.
2. **Sarita**, Katiyar, V.K., Pradhan, P. **2009.** The Transport of Oxygen during Pranayama in the Respiratory tree by the alveolar amplitude response technique using the Numerical method. ***International Transactions in Applied Sciences*** **1, 379-380**.

3. **Sarita**, Katiyar, V.K., Pradhan, P. **2009.** Analytical Study of Human Respiratory System. ***International Journal of Applied Mathematics and Mechanics*** **11 XX, 1-7**.

4. **Sarita**, Katiyar, V.K., Pradhan, P. **2010**. Finite element study of human respiratory system within human upper airways. C.T. Lim and J.C.H. Goh (Eds.): WCB-2010, ***IFMBE Proceedings*** **31, 220-223**.

5. **Sarita**, Katiyar, V.K., Pradhan, P. **2011.** The solution of Mathematical model for transport of oxygen in peripheral nerve with the first-order chemical kinetics using finite-difference technique during Pranayama. SENRA Academic Publishers, Burnaby, British Columbia, ***Canadian Journal of Pure and applied sciences*** **5, 1567-1571**.

6. Srivastava, V., Avasthi, M., **Sarita**. **2013.** An Implicit Finite-Difference Solution To One-Dimensional Coupled Burgers' Equations, Asian-European. ***Journal Of Mathematics (AEJM)*** **6, 13500**.

7. Srivastava, V., Avasthi, M., **Sarita**. **2013.** An implicit logarithmic finite-difference technique for two dimensional coupled viscous Burgers' equation. ***AIP Advances*** **3, 122105**. (American Insstitute of Physics, USA).

8. Srivastava, V., Tamsir, M., Avasthi, M, **Sarita. 2014.** One-dimensional coupled Burgers equation and its numerical solution by an implicit logarithmic finite-difference method. ***AIP Advances*** 4, 037119 (American Institute of Physics, USA).

9. Agrawal, P.N., **Gairola, A.R**. **2007.** On iterative combination of Bernstein-Durrmeyer polynomials. ***Appl. Anal. Discrete Math*** **1, 1-11**.

10. Agrawal, P. N., Gupta, V. **Gairola, A.R. 2008.** On iterative combination of modified Bernstein-type polynomials. ***Georgian Math. J.*** **15,591-600**.

11. **Gairola, A.R.,** Agrawal, P. N. **2009.** Direct and inverse theorems for the Bezier variant of certain summation-integral type operators. ***Turk. J. Math***. **33, 1-14**.

12. Sinha, T.A. K., Gupta, V., Agrawal, P. N., **Gairola, A.R. 2009.** Inverse theorem for an iterative combination of Bernstein-Durrmeyer polynomials. ***Studia Univ. Babe_s-Bolyai Mathematica***, **4, 153-165**.

13. Gupta, V. Agrawal, P. N., **Gairola, A.R. 2009.** On the integrated Baskako type operators. ***Appl. Math. Comput.*** **213, 419-425**.

14. Agrawal, P. N., **Gairola, A.R. 2009.** On certain Durrmeyer type operators. ***Math. Commun.*** **14, 307-316**.

15. Agrawal, P. N., Singh, K.K., **Gairola, A.R. 2010.** On Lp-approximation by iterative combination of Bernstein-Durrmeyer type polynomials. ***Int. J. Math. Anal.*** **4, 469-479**.

16. **Gairola, A.R. 2010.** On certain Baskakov-Durrmeyer type operators. ***Surv. Math. Appl.*** **5, 123 - 134**.

17. Agrawal, P. N**., Gairola, A.R. 2011.** On Lp inverse theorem for a linear combinations of Sz_asz-beta operators. ***Thai. J. Math*****. 9, 11-20**.

18. Sinha, T. A. K., Agrawal, P. N., **Gairola, A.R. 2011.** On Lp Approximation by iterative combination of Bernstein-Durrmeyer polynomials. ***ISRN Mathematical Analysis* 184374**.

19. **Gairola, A.R.**, Singh, K.K. Dobhal, G., **2011.** On Certain q- Baskakov-Durrmeyer operators, Le Matematiche. ***LXVI Fasc* II, 61-76**.

20. **Gairola, A.R.**, **Dobhal, G. 2011.** On a general sequence of Durrmeyer operators. ***Ann. Univ. Craiova, Math. Comp. Sci. Ser.* 38, 67-75**.

21. **Gairola, A.R.**, Singh, K.K. **2011.** Simultaneous approximation by modified beta operators. ***Glob. J. Math. Sci.: Theory and Practical* 3, 481-492**.

22. **Gairola, A.R.**, Dobhal, G. **2012.** Lp approximation by Bezier variant of certain summation-integral type operators. ***Thai. J. Math.* 10, 463-472**.

23. **Gairola, A.R.**, Agrawal, P. N., Dobhal, G., Singh, K. K. **2013.** Moments of a q-Baskakov-beta operators in case $0 < q < 1$. ***J. Classical Anal*. 2, 9-22**.

24. **Gairola, A.R.**, Dobhal, G. **2013.** On the q derivatives of a new sequence of operators. ***Le Matematiche.* LXVIII Fasc I, 65-81**.

25. **Gairola, A.R.**, **Dobhal, G**., Singh, K.K. **2014.** Approximation by a new sequence of q operators in polynomial weighted space. ***Adv. Inequal. Appl.* 2014, 15.**

26. Sinha, T. A. K., Agrawal, P. N., Gairola, A.R **2013.** Saturation theorem for an iterative combination of Bernstein-Durrmeyer polynomials. ***Gen. Math.* 21, 85-96**.

27. **Komal, 2015**. Fuzzy fault tree analysis for patient safety risk modeling in healthcare under uncertainty. ***Applied Soft Computing* 37, 942-951**. (Elsevier, Netherlands), Impact Factor- 2.810.

28. **Komal,** Chang, D., Lee, S.Y. **2015.** Fuzzy reliability analysis of dual-fuel steam turbine propulsion system in LNG carriers considering data uncertainty. ***Journal of Natural Gas Science & Engineering* 23, 148-164**. (Elsevier, Netherlands), Impact Factor- 1.406.

29. **Komal,** Sharma, S.P. **2015.** Two phase approach for performance analysis and optimization of industrial systems using uncertain data. ***International Journal of Operational Research Inderscience.*** (**Accepted**)

30. **Komal, 2015.** An integrated approach for fuzzy reliability analysis and resource allocation of a repairable industrial system. ***International Journal of Industrial and Systems Engineering*** **Inderscience.** (**Accepted**)

31. **Komal,** Sharma, S.P. **2014.** Fuzzy reliability analysis of repairable industrial systems using soft-computing based hybridized techniques. ***Applied Soft Computing* 24, 264276** (Elsevier, Netherlands), Impact Factor - 2.810.

32. **Komal, 2014.** Fuzzy Reliability Analysis of Plastic-Pipe Manufacturing System Using Non-linear Programming Approach. ***International Journal of Industrial and Systems Engineering* 17, 98-114**. Inderscience.

33. **Komal,** Sharma, S.P., Kumar, D. **2010.** RAM Analysis of Repairable Industrial Systems Utilizing Uncertain Data. ***Applied Soft Computing* 10, 1208-1221**. (Elsevier, Netherlands), Impact Factor: 2.810.

34. Sharma, S.P., Kumar, D., **Komal**, **2010.** Stochastic Behavior Analysis of the Feeding System in a Paper Mill Using NGABLT Technique. ***International Journal of Quality and Reliability Management* 27, 953-971**. Emerald.

35. **Komal**, Sharma, S.P., Kumar, D. **2010.** Stochastic Behavior Analysis of the Forming Unit in a Paper Mill Using NGABLT Technique. ***Journal of Quality in Maintenance Engineering* 16, 107-122**. Emerald.

36. **Komal**, Sharma, S.P., Kumar, D. **2010.** Stochastic behavior and performance analysis of an industrial system using GABLT technique. ***International Journal of Industrial and Systems Engineering* 6, 1-23**. Inderscience.

37. **Komal,** Sharma, S.P., Kumar, D. **2009.** Stochastic behavior analysis of the press unit in a paper mill using GABLT technique, ***International Journal of Intelligent Computing and Cybernetics* 2, 574-593**. Emerald.

(Note: Department of Mathematics, School of Physical Science has been started in July 2015 and faculty members have also been recruited in the month of July. Therefore, above mentioned details of publications belongs to the research work of concerned faculty members, which he/she carried out before joining the Doon University.)

23. Details of patents and income generated:

Not Applicable.

24. Areas of consultancy and income generated

Not Applicable

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Not Applicable

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

1. Dr. Sarita Singh, Member of Indian Society of Biomechanics, Elsevier Journal Editorial Board(Journal of biomechanics), American Mathematical Society, American Society of Biomechanics, European Mathematical Society, Trinity Mathematical Society, Boston College of Mathematical Society, Boston (United Kingdom), France Mathematical Society France, American Society Mechanical Engineering. (ASME), USA, Fulltime membership of OSWD (Organization of Scientific Women for Developing Country) from 2015.

2. Dr. A.R. Gairola, Member of International Journal of Mathematica, Shoolini University, Solan, Himachal Pradesh, India, International Journal of Engineering & Mathematical Sciences, Dolphin Research Foundation, New Delhi, India, American Journal of Mathematical Analysis, Science and

Education Publishing, USA, Applicable Analysis & Discrete Mathematics. Journal of Inequalities and Applications, British Journal of Mathematics & Computer Science, Asian Journal of Mathematics and Computer Research, Journal of Mathematical Sciences and Applications, Functional Analysis, Approximation and Computation.

3. Dr. Komal, Member of Elsevier Journal Editorial Board, International Association of Computer Science and Information Technology, Singapore (Membership No.- 80345436), International Association of Engineers, Hong Kong (Membership No.-125221), International Journal of Quality and Reliability Management (Emerald), ISA Transactions (Elsevier), International Journal of Systems Science (Taylor & Francis)

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

All faculties are encouraged to go for recharge programmes. A list of some faculty members engaged in such refresher programmes/ trainings orientation and other such programmes in last couple of years is as below:

Dr. Sarita Singh, Participated in India International Science Festival (IISF-2015) at IIT Delhi from 4-8th Dec 2015.

Dr. Sarita Singh, Participated in the workshop "Women in Applied Math. & Soft Matter Physics" Mainz University Germany from 26-28th October 2015, Mainz, Germany.

Dr. Sarita Singh, Participated in 08th International Congress on Industrial and Applied Mathematics (ICIAM)-2015 from 10-14th Aug 2015, Beijing China.

28. Student projects:

As a matter of principle all students at PG level are required to undertake a research work in partial fulfillment of their Master's degree.

Percentage of students who have done in-house projects including inter-departmental projects

Not Applicable

Percentage of students doing projects in collaboration with other universities / industry / institute

Not Applicable

29. Awards / recognitions received at the national and international level by

Dr. Sarita Singh from the Johannes Gutenberg-University Mainz, Collaborative Research Centre TRR Mainz Germany (2015)
Dr. Sarita Singh, from UCOST, Uttarakhand India (2015)

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Not Applicable

31. Code of ethics for research followed by the departments

Not Applicable

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	**Application received**	**Selected**		**Pass percentage (in Final Examination)**	
		Male	Female	Male	Female
Integrated M.Sc. (Mathematics)	42	23	19	Continuing	Continuing
M.Sc. Mathematics	05	01	04	Continuing	Continuing

33. Diversity of Students

Name of the Programme (refer to question no. 4)	**% of students from the same university**	**% of students from other universities within the State**	**% of students from universities outside the State**	**% of students from other countries**
M.Sc.	-	01%	99%	-
M.Sc. five years	-	90%	10%	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Not Applicable

35. Student progression

Student progression	**Percentage against enrolled**
UG to PG	Department is fairly new, First batch of five year integrated M.Sc. & two year M.Sc. programme is yet to pass out.
PG TO Ph.D.	
Employed • Campus selection • Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of current faculty members who are graduates	
Of the same university	0%
from other universities within the State	100%
From university from other State	0%
From university outside the country	0%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

NIL, students have completed only one semester of the five year integrated & two year programme

38. Present details of departmental infrastructural facilities with regard to

a) Library

Central Library with access to e-resources such as J-Stor and several e-journals.

Development of a departmental library for research scholars is in the pipeline.

b) Internet facilities for staff and students

The campus is wi-fi enabled.

c) Total number of class rooms

Four

d) Class rooms with ICT facility

All classrooms are equipped with ICT facility.

e) Students' laboratories

No lab is available.

f) Research laboratories

Not Applicable as no courses in experimental mathematics are currently being carried out in the university.

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

Not Applicable

b) from other institutions/universities

Not Applicable

40. Number of post graduate students getting financial assistance from the university.

Not Applicable

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, the concept note for creation of Doon University as well as the Detailed Project Report (DPR) for the universities and Departments were in fact need assessment exercises by experts drawn for the purpose.

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

All faculty members through their participation in the Staff meetings of the Department, Academic Advisory Board (in which all the faculty members and some external members nominated by the Vice Chancellor are members), Representation to IQAC as well as representation in the Academic Council do provide regular feedbacks on the curriculum as well as teaching learning evaluation. Department follows the instructions and the decisions of the AC and submits action taken reports before each AC meeting.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

IQAC of the university through its formal feedback system undertakes feedback surveys on all the courses undertaken by the Department. The survey also contains questions on quality of teaching and the performance of the faculty members associated with the course. IQAC as well as the office of the Vice Chancellor suggests specific instructions to relevant faculty member based on the results of the survey.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Under Process

43. List the distinguished alumni of the department (maximum 10)

Under Process

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Under Process

Workshops/Seminars

Under Process

45. List the teaching methods adopted by the faculty for different programmes.

Sl	Programme	Teaching Method Adopted by the Faculty
1.	M.Sc. Mathematics- 5 Years	Classroom Teaching, Assignments, Tutorials

		In addition to above, all quantitative courses have a practical component involving analysis of data through selected statistical packages. MATLAB and MATHEMATICA are used as per the syllabus content
2.	M.Sc. Mathematics -2 Years	Classroom Teaching, Assignments, Tutorials
		In addition to above, assignments involving preparation of literature surveys and participation in conferences and seminars for presenting papers and involvement in research projects as interns. MATLAB and MATHEMATICA are used as per the syllabus content

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

*Monitoring Mechanism***:** Ensured through IQAC

Student Faculty Committees: Each batch of students in every course has representatives for SFC and all these SFC members regularly meet with faculty members to review the activities of the Department

Faculty Advisories: Each student is assigned with an advisor/mentor who help them shaping their career as well as to solve the problems faced by the students.

47. Highlight the participation of students and faculty in extension activities.

Students are encouraged and usually engaged in different extension activities being undertaken by the department. These activities include participation in different competitions being held in university and outside, organising extended classes, tutorials and remedial courses.

48. Give details of "beyond syllabus scholarly activities" of the department.

Participation of students in different workshops/ seminars organized by the department and individual faculties in different forms. Students are usually given responsibility for management of these events and activities under active guidance of a faculty in charge.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Not Applicable for a new Department.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Not Applicable

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths	Weaknesses
Young, energetic and enthusiastic faculty members Encouraging response from the larger society in terms of applications for admission in the department. Encouraging media response for different activities of the Department.	Scant number of faculty members. Less sanctioned positions than required for a decent student faculty ratio. No separate library for the School.
Opportunities	**Challenges**
Potentials for a centre of excellence given no other institutions offering similar courses in the state. Potential role in partnership with different government agencies for policy formulation and evaluation. Many research fields of the faculties are already industry oriented further applications in industry are possible. Preparation of students to meet the requirement of modern industries and R&D activities is main challenge that has been found by the department.	To meet the aspiration of students in dynamic market situations. To meet the standards of teaching and research with scant human resources. To restrict inbreeding of faculty members in the light of lesser interest of faculties to join the university at higher levels viz, professors and associate professors.

52. Future plans of the department.

As per the mandates of the department of economics as highlighted in the vision and mission statement of the university in the Detailed Project Report, the Department plans to evolve as an institution of higher learning in terms of teaching and research in economics. Towards this, the medium and longer terms plans of the Department are as highlighted below.

Short-Term/ Medium Term Plans:

- Development of new course material
- Workshop-Seminar

- Summer School
- Winter School
- Conference (National & International)
- Lecture series
- Orientation Courses for Faculty
- To equip the Department with the state of the art teaching and research facilities in terms of organized and independent library, computer labs.

- To build capacities of the students of the department to get placed in remunerative jobs so that a better profile of the department is created in due course.

- To proactively search for opportunities of partnership with different government agencies both at the state and the national level to ensure participation of the department in policy making processes in the country.

Long term Goals

- To evolve as one of the top institutions of learning and research in mathematics in the country and to get good rankings in the national ratings for departments imparting education in mathematics.

- To eventually evolve as a research institution in fundamental and applied mathematics research and to realign the programmes to have more research orientation.

1. Name of the Department:

Department of Computer Science, School of Physical Sciences.

2. Year of establishment:
July 2010

3. Is the Department part of a School/Faculty of the university?
Yes, the Department is part of School of Physical Sciences, Doon University.

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
The School currently offers only one programme as below.
Integrated M. Sc. (Computer Science) (Intake Capacity-40): Eligibility for Admission – through University Entrance after a 10+2 Degree from any recognized Board.

5. Interdisciplinary programmes and Departments involved
Integrated M. Sc. (Computer Science) students should opt for following courses offered by other Departments:

- **Generic Course:** In each of the first four semesters, students are required to take one generic elective course from Mathematics, Physics or Chemistry Department.
- **Ability Enhancement Compulsory Course:** Students are required to take Environmental Studies and English courses in first and second semester.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil

7. Details of programmes discontinued, if any, with reasons:
Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester system with CBCS (Choice Based Credit System) pattern.

9. Participation of the Department in the courses offered by other Departments
Integrated M. Sc. (Computer Science) students should opt for following courses offered by other Departments:

- **Generic Course:** In each of the first four semesters, students are required to take one generic elective course from Mathematics, Physics or Chemistry Department.
- **Ability Enhancement Compulsory Course:** Students are required to take Environmental Studies and English courses in first and second semester.

Besides the above mentioned courses, students may also opt for courses from other Department as zero credit courses. Efforts are in place for the students to

take foreign language, economics, and management etc. courses as part of their generic elective.

Faculty members of the Department are involved in teaching following courses offered in other Departments/schools:

- Data Structures, Information Security & Cyber Laws, Digital Circuits & Systems, Object Oriented Programming (C++), Database Management Systems, Theory of Computation in the Integrated MCA programme of School of Technology.

- Basics of Computer Applications in M. Sc. (Economics), Department of Economics, School of Social Sciences.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	Nil	Nil	Nil
Associate Professor	Nil	Nil	Nil
Assistant Professor	3	2 + 1 (On Contract)	3
Others	Nil	Nil	Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
Ms. Rachana Gusain	M. Tech., UGC-JRF	Assistant Professor (In-charge)	Motor Imagery based Brain-Computer Interfaces	0.5	Nil
Mr. Devashish Pundir	MCA, UGC-NET	Assistant Professor (On Contract)	Computer Applications	12.5	Nil
Dr. Triloki Pant	Ph. D., ASRB-NET	Assistant Professor	Image Analysis	6.5	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors (including present and past associations)

Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Nil

14. Programme-wise Student Teacher Ratio

Course	Student-Teacher Ratio
Integrated M. Sc. (Computer Science)	8:3

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual (including CAS & MPS)
Academic support staff (technical)	1	1 (ad-hoc)	1
Administrative staff	1	Nil	Nil

16. Research thrust areas as recognized by major funding agencies

Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration Nil

b) International collaboration Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility/centre with State recognition/National recognition/International recognition

Nil

21. Special research laboratories sponsored by/created by industry or corporate bodies

Nil

22. Publications:
(Last Five Years)

Number of Papers Published in peer reviewed journals (National/International): 05

Chapters in Books: Nil

Edited books with ISBN: Nil

Number listed in International Database (e.g. Web of Science, Scopus, DARE database, EBSCO host etc.): Nil

Citations: 27

SNIP: 1.237

SJR: 0.727

Impact Factor – range/average: 1.310-1.358

H-index: 2

Publication list

Dr. Triloki Pant

1. **Pant, T.**, Singh, D., Srivastava, T. 2010. Advanced Fractal Approach for Unsupervised Classification of SAR Images. *Advances in Space Research* 45(11), 1338-1349 (Elsevier). Impact Factor = 1.358. Citation = 19.
2. **Pant, T.**, Singh, D., Srivastava, T. 2010. The potential application of fractal approach for surface roughness retrieval: A study for simulated surfaces. *Geomatics, Natural Hazards and Risk*. 1(3), 243-257 (Taylor & Francis). Impact Factor = 1.310. Citation = 1.
3. **Pant, T.** 2013. Effect of Noise in Estimation of Fractal Dimension of Digital Images. *International Journal of Signal Processing, Image Processing & Pattern Recognition* 6(5), 101-116 (SERSC Publisher). Impact Factor NA. Citation = 2.
4. **Pant, T.** 2013. Noise Error Analysis in Fractal Dimension Estimation of Digital Images. *International Journal of Image, Graphics & Signal Processing* 5(8), 55-62 (MECS Publisher). Impact Factor = 0.11. Citation = 1.

Mr. Devashish Pundir

1. Dobhal, N., **Pundir, D**. 2015. An investigative survey of different Security Attacks in MANETS. *International Journal of Computer Application* 126(1), 22-30 (Foundation of Computer Science, New York). Impact Factor = NA. Citation = NA.

(Note: Department of Computer Science has been started in July 2015 and faculty members have also been recruited in this month. Therefore, above mentioned details of publications belong to the research work of concerned faculty members which he/she carried out before joining Doon University.)

23. Details of patents and income generated:

Nil

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
Nil

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)
Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
Nil

28. Student projects:
As per the course structure, all students are required to undertake a project work/dissertation (at UG level) and a thesis (at PG level). However, since the Department is new, the first batch is yet to complete their graduation.

Percentage of students who have done in-house projects including inter-Departmental projects
NA

Percentage of students doing projects in collaboration with other universities / industry / institute
NA

29. Awards / recognitions received at the national and international level by
Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
Nil

31. Code of ethics for research followed by the Departments
Nil

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	**Application received**	**Selected**		**Pass percentage (in Final Examination)**	
		Male	Female	Male	Female
Integrated M. Sc. (Computer Science)	29	06	02	NA	NA

33. Diversity of Students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Integrated M. Sc. (Computer Science)	0	100	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NA

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	NA
Entrepreneurs	NA

36. Diversity of staff

Percentage of current faculty members who are graduates	
of the same university	Nil
from other universities within the State	67%
from universities from other States from	33%
universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of Departmental infrastructural facilities with regard to

a) Library

Central Library

b) Internet facilities for staff and students

The campus is Wi-Fi enabled.

c) Total number of class rooms
01

d) Class rooms with ICT facility
Yes, the classroom is enabled with ICT facility.

e) Students' laboratories
Nil (Integrated M. Sc. (CS) students are sharing lab resources of School of Technology)

f) Research laboratories
Nil

39. List of doctoral, post-doctoral students and Research Associates
a) from the host institution/university
Nil

b) from other institutions/universities
Nil

40. Number of post graduate students getting financial assistance from the university.
NA

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
Yes, the concept note for creation of Doon University as well as the Detailed Project Report (DPR) for the university and Departments were exercised by experts drawn for the purpose.

42. Does the Department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?
By way of participation in faculty meetings and AAC (the committee comprises all faculty members and some external members nominated by the Vice Chancellor), the members provide feedback on curriculum and teaching-learning evaluation. The Department follows them in updating the syllabus, improving the paper pattern, upgrading the labs and other facilities required for smooth functioning of the Department.

b. students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?
By way of formal feedback system adopted by the Internal Quality Assurance Cell of the University, the cell undertakes surveys on all courses offered by the Department. Based on the survey results, directions and suggestions provided by IQAC and office of the Vice Chancellor are followed in the Department.

c. alumni and employers on the programmes offered and how does the Department utilize the feedback?
NA

43. List the distinguished alumni of the Department (maximum 10)
Nil

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Presentation by Mr. Pankaj Ratudi, CEO, programmingyan.com on "Web development and its future" on 29th October, 2015.
- Lecture by Mr. I. L. Narsimha Rao, Project Manager, CDAC Hyderabad on "Cyber Security" as a part of lecture series for Computer Society of India Chapter on 4th November, 2015.

45. List the teaching methods adopted by the faculty for different programmes.

- Classroom teaching using boards/projectors.
- Besides text books, students are encouraged for online materials.
- Weekly assignments are given to students.

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?
NA

47. Highlight the participation of students and faculty in extension activities.

- Aditya Sissodiya, student of Integrated M Sc. (CS), First Semester, won First prize in the Inter Departmental Cultural Competition – Ninad (Instrumental) held in "BAZM" festival in October, 2015.
- Ajeet Bisht, student of Integrated M Sc. (CS), First Semester, participated in North Zone Inter-University Cricket Tournament 2015.

48. Give details of "beyond syllabus scholarly activities" of the Department.
Nil

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.
Not Applicable for a new Department.

50. Briefly highlight the contributions of the Department in generating new knowledge, basic or applied.
Nil

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths	Weaknesses
Young and skilled faculty members, motivated to impart quality education. An upgraded course curriculum that is adequately balanced in terms of	Lacks industrial collaboration and dedicated laboratories. Student strength is low.

industry orientation and high-end academics. The curriculum was framed after a series of meetings and discussions among the faculty members with a final draft approved by the Departmental Academic Advisory Committee. Incorporation of CBCS pattern that allows students to explore other areas as well.	Need of regular faculty at senior level. Inadequate non-teaching and lab staff.
Opportunities	**Challenges**
The curriculum of Integrated M. Sc. (Computer Science) programme is so designed that provides opportunities to both research oriented and industrial oriented minds. Covering from fundamental CS courses to specialized courses like Bioinformatics, Cryptography, Image Processing, Web Designing etc., the diversified course framework is likely to boost up students' knowledge.	Exercise plans to attract more number of quality students at the UG level. Use of modern and innovative tools and technologies for teaching pedagogy. Equip Department with computer labs with adequate resources. Introduce certificate courses in order to increase employability.

52. Future plans of the Department.

- Establish Departmental library and e-book library.
- Formation of dedicated placement cell.
- Offering MOOC version of current courses.
- Introduction of various specialized M. Sc. (Computer Science) courses in Cryptography, High Performance Computing, Big Data Analytics etc.
- Introduction of M Phil and PhD programmes and formation of research groups to foster the research environment.
- Take up funded research projects.
- Organize national/ international conferences/ workshops/ FDPs/ symposiums.
- Realizing co-curricular activities as an important segment, it is to be upgraded by organizing various such activities at regular intervals.
- Formation of Computer Science Club that will host miscellaneous activities on regular basis.
- Launch an annual technical festival by Computer Science students, for students from other universities/institutions.
- Participation of students in Summer/Winter training programmes in collaboration with industries.

Evaluative Report

School of Design

1. Name of the Department:
School of Design

2. Year of establishment:
July 2015

3. Is the Department part of a School/Faculty of the university?
Yes, Foundation in Design is a part of the School of Design at Doon University

(Note: The school is newly set up but its cross-disciplinary nature enables it to support and takes support from the School of Management, School of Environment and Natural Resource Management, School of Social Sciences and School of Communication.**)**

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
The School currently offers one programme:

a) Bachelor in Design (B Des) - Four Years (Intake Capacity-25): *Eligibility for Admission –through University Entrance after a 10+2 Degree from any recognized Board*

5. Interdisciplinary programmes and departments involved
In its first year of running, the School of Design has shared learning resources with the following departments:

School of Environment: A common introductory course to Env Sci for all students

School of Languages: A basic course in professional communication in English

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
We currently do not run any course in collaboration with other universities and institutions but we have written to all the state and national institutions that offer Design education and hope to set up knowledge and resource sharing platforms at the earliest.

7. Details of programmes discontinued, if any, with reasons:
No programme discontinued.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester System
(Note: Owing to the vocational nature of the courses, we have set up a syllabus as per the mandate of the Academic Advisory Board and the Academic Council, in consultation with industry and academic experts.)

9. Participation of the department in the courses offered by other departments

Students can opt for courses from other department as zero credit courses.
We are planning on offering elective courses for other Schools from the next academic session. Currently, students from School of Design take classes in two other schools. Details are as follows:
Faculties of the departments are occasionally involved in teaching specific courses run by other Departments. A list of such courses and the operating Department are as below.

Course Title	*Operating Department*
Introduction to Environmental Sciences	***School of Environment and Natural Resources***
Communication in English	***School of Languages***

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	**Filled**	**Actual (including CAS & MPS)**
Professor	**0**	**-**	**-**
Associate Professors	**0**	**-**	**-**
Asst. Professors	**0**	**-**	**-**
Others	2	**2**	**2**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PH.D./M.Phil. students guided for the last 4 years
Mr Sanjay Bhatnagar	GDPD from National Institute of Design	Professor	Exhibition Design	6 months at Doon University (30+ years overall)	0
Ms Dhriti Dhaundiyal	MSc from King's College, GDPD from National Institute of Design	Assistant Professor	Product Design	6 months at Doon University (8+ years overall)	0

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors (including present and past associations)

S.No.	List of senior Visiting Fellows, adjunct faculty, emeritus professors
1.	Mr Pranay Sarpal (MSU Baroda)
2.	Ms Shruti Dhaundiyal (Cambridge University)
3.	Ms Vaishnavi Murthy (NID Ahmedabad)
4.	Mr VK Dougall (Kala Kendra, Dehradun)

13. Percentage of classes taken by temporary faculty – programme-wise information

B Des (Four Years)
50 % (Approximate)

14. Programme-wise Student Teacher Ratio

B Des (Four Years)
9:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual (including CAS & MPS)
Academic support staff (technical)	**1**		
Administrative staff	**1**		**1**

16. Research thrust areas as recognized by major funding agencies
N/A

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise
N/A

18. Inter-institutional collaborative projects and associated grants received
N/A

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
N/A

20. Research facility / centre with /State recognition /National recognition /International recognition
N/A

21. Special research laboratories sponsored by / created by industry or corporate bodies
N/A

22. Publications:

(Last Five Years)

N/A

23. Details of patents and income generated:
N/A

24. Areas of consultancy and income generated
*Training on Official Statistics Generated 6 lakhs (Please see **item 7 of Section 19** for more details)*
N/A

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
N/A

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)
N/A

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
N/A

28. Student projects:
N/A

Percentage of students who have done in-house projects including inter-departmental projects

N/A

Percentage of students doing projects in collaboration with other universities / industry / institute

N/A

29. Awards / recognitions received at the national and international level by
N/A

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
N/A

31. Code of ethics for research followed by the departments

As stipulated by the Internal Quality Assurance Cell.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	**Application received**	**Selected**		**Pass percentage (in Entrance Examination)**	
		Male	Female	Male	Female
B Des (2015-19)	55	05	13	50	50

33. Diversity of Students

Name of the Programme (refer to question no. 4)	**% of students from the same university**	**% of students from other schools within the State**	**% of students from schools outside the State**	**% of students from other countries**
B Des	0	90	10	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

N/A

35. Student progression

The School is in its first year of operation yet. The Entrepreneurship and Sill Development Cell of the University was constituted in the year 2015 and it is taking active interest to encourage, promote and support students of the Department to undertake entrepreneurship activities as career option.

36. Diversity of staff

Percentage of current faculty members who are graduates	
of the same university	0
from other universities within the State	0
from universities from other States from	50
universities outside the country	50

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

N/A

38. Present details of departmental infrastructural facilities with regard to

a) Library

Central Library with access to e-resources such as J-Stor and several e-journals. Relevant Design books have been procured and journals are being subscribed to.

b) Internet facilities for staff and students

The campus is wi-fi enabled.

c) Total number of class rooms

Two

d) Class rooms with ICT facility

None

e) Students' laboratories

None

f) Research laboratories

1. Basic Tools & Material Workshop

39. List of doctoral, post-doctoral students and Research Associates

N/A

40. Number of post graduate students getting financial assistance from the university.

None

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, several workshops were held with people from the academic arena as well as those working in the field to develop a current and relevant curriculum for a course that is highly vocational in nature.

An Academic Advisory Board of the Department has been constituted with external experts such as Prof. Jatin Bhatt (Ambedkar University), Prof Siddhartha Ghosh (National Institute of Design) and Ms Richa Ghansiyal (Designer & Entrepreneur) along with all faculty members of the Department. This AAB is responsible for overseeing the progress of the students as well as evolution of courses of the Department.

The School of Design has recently proposed introduce certificates, diplomas and B.Voc and M. Voc courses in Craft Design & Development (proposed and yet to be introduced) . The need assessment for the course was based on the current emphasis of the union government on skill building and expression of intent expressed by the above institutions regarding the need-rationale and employment potentials for such courses.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

All faculty members through their participation in the Staff meetings of the Department, Academic Advisory Board (in which all the faculty members and some external members nominated by the Vice Chancellor are members), Representation to IQAC as well as representation in the Academic Council do provide regular feedbacks on the curriculum as well as teaching learning evaluation. Department follows the instructions and the decisions of the AC and submits action taken reports before each AC meeting.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

IQAC of the university through its formal feedback system undertakes feedback surveys on all the courses undertaken by the Department. The survey also contains questions on quality of teaching and the performance of the faculty members associated with the course. IQAC as well as the office of the Vice Chancellor suggests specific instructions to relevant faculty member based on the results of the survey.

c. alumni and employers on the programmes offered and how does the department utilize the feedback?

N/A

43. List the distinguished alumni of the department (maximum 10)

N/A

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

N/A

Workshops/Seminars

N/A

45. List the teaching methods adopted by the faculty for different programmes.

Sl	Programme	Teaching Method Adopted by the Faculty
1	Bachelor in Design	Classroom Teaching, student seminars, Assignments involving participation of students in different activities related to field visits, elective and specialized courses, interactions with larger society and so on

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Monitoring Mechanism: Ensured through IQAC

47. Highlight the participation of students and faculty in extension activities

Students are encouraged and usually engaged in different extension activities being undertaken by the department. These activities include participation in different competitions being held in university and outside, organising extended classes, tutorials and remedial courses for newcomers, field visits for better social interactions

48. Give details of "beyond syllabus scholarly activities" of the department.

Participation of students in different workshops/ seminars organised by the department and individual faculties in different forms. In the first semester, the students participated in the Rajpur Sustainable Festival, attended the Virasat Fete, and went on a bird-watching Nature walk organised by FRI officials.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

N/A

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

N/A

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths	**Weaknesses**
Experienced faculty from the premiere Institutions in the country Networked very well to the local Design community with contacts at the regional and national level as well Giving impetus to local handicrafts and artisans Enabling local talent in the skilled sector to develop vocational skills	School not yet been giving official recognition with no budgetary or faculty allotments Running on self-finance mode Lack of awareness of the School in the outside community
Opportunities	**Challenges**
Potentials for a centre of excellence	To meet the aspiration of students in

given no other institutions offering similar courses in the state. Potential role in partnership with different government agencies for design development and project execution.	dynamic market situations. To meet the standards of teaching and research with scant human resources. Working with limited financial and infrastructural resources.

52. Future plans of the department

Short-Term/ Medium Term Plans:

(a) In order to offer discipline specific education from next year,we must equip the Department with the state of the art teaching and research facilities in terms of organised and independent library, computer labs.

(b) To build networks and linkages with the industry ensure eventual student internships and placements.

(c) To proactively search for opportunities of partnership with different government agencies both at the state and the national level to ensure participation of the department in policy making processes in the country.

Long term Goals

(a) To evolve into an institution of Design Education with a strong pedagogy and research orientation

(b) To be industrially relevant and help create industry-ready designers who have the required skills

DOON UNIVERSITY
SCHOOL OF DESIGN
Design is in every inch of our lives.

National Assessment and Accreditation Council (NAAC)

DOON UNIVERSITY, Dehradun
Uttarakhand

(A state Govt. University, Established in 2005)

NAAC's 50 Points Assessment Indicators (Core/Desirable) for the University

S.No.	A. Core Indicators	Answers
1.	Percentage of courses where major syllabus restructuring was carried out during last 3 years	School advisory committee (a committee having academicians of high standard as experts and faculty members) is constituted by the Vice-Chancellor for the revision of curricula and its meeting is called every year to update the syllabi in all the disciplines for keeping in pace with the recent developments and need of the stake holders. Percentage of courses is ~30 where major syllabus restructuring has been done.
2.	Temporal plan in more than	We follow the semester system of examination and offers limited 'Choice Based Credit System (CBCS) in all the disciplines/programmes.
3.	Percentage of teachers with Ph.D. qualification General Courses Professional courses (For ex. MD/ DM for medicine and ME/MS for engineering)	We have 46% of teachers having PhD qualification in general.
4.	Student computer ratio	4:1
5.	The number of Departments with UGC/SAP/CAS/DST/FIST etc., in University	1 Doon University is a relatively new university which started its academic programme in 2009 and research programme in 2011.
6.	Number of Post Doctoral Fellows/ Research Associates working a) Locals b) outsiders	(a) Post Doctoral Fellow: 01 (Outsider)
7.	Number of ongoing research projects/per teacher	Total 21 projects have been sanctioned to the University (0.5 per teacher) by the national funding agencies.

8.	Number of completed research projects/per teacher (Funded by National/International Agencies)	11 projects funded by National Agencies have been completed (~0.3 per teacher).
9.	Coordinated/Collaborative projects (National/International)	National collaborative projects: 1 completed : 01 on going
10.	National recognitions for faculty for Teaching/Research/Consultancy/Extension (Reputed/recognized bodies)	Nil
11.	Number of Patents (last 5 years)	Nil
12.	Output of M.Phil & Ph.D. per faculty (across all disciplines)	University has started Ph.D programme since September, 2011. The 6 students of first batch may likely to submit their Ph.D degree by 2016.
13.	Revenue generated from consultancy per year	University has generated Rupees 2.8 lacs as revenue from consultancy in last 5 years
14.	Number of MoUs with International recognized bodies	01as mentioned below: University of Osnabruck, Germany
15.	- Publications per faculty - Total number of publications of the university	4.89 Publications/faculty Total number of publications of the faculty: 186
	- Percentage of papers published in journals listed in well known international databases	~31%
16.	Average impact factor of publications (ISI based rating)	~1.0
17.	Number of papers with more than 10 citations	6+
18.	Number of book titles per student (in the central library) excluding book bank	~10.37 books per student.
19.	Percentage of annual allocation for library spent on purchase of journals (National/International) and other library recourses (CDs, Cassettes, etc.)	8.15%

20.	Number of National/International conferences/workshops organized per department per year and names of experts participated	1: Prof. G.K. Chaddha(JNU), Prof. B.K. Joshi, Prof. Pushpesh Pant, Prof. P.K. Choubey, IIP, New Delhi, Dr. Himanshu Joshi, RBI, Mumbai and Prof. Sripad Motiram, IGIDR. Prof. Peter Koles, IT & W M, Szent Istvan University, Hungary, Prof. M.V.N. Prasad, University of Hydrabad, Prof. A.S. Raghubanshi (BHU), Prof. A. K. Bhatnagar (DU) Prof. Dhruv Raina, Prof. T.S Papola, Prof Gurpreet Mahajan, Prof. Shiv Viswanathan, Prof B.K Joshi, Prof B.P Maithani and Prof. Shreekant Khandewale. Prof. Madhu Sahani, JNU.
21.	Student performance in National/International level examinations (e.g.NET/SLET/GATE/GMAT/CAT, GRE/TOFEL, Civil Services)	~20 passed-out students have qualified NET/SLET/ GATE Examinations.
22.	Student Teacher Ratio (average across all disciplines)	18:1
23.	University has the following. i) IQAC ii) Accreditation by national body iii) International accreditation/ISO certification iv) AAA	University has its own IQAC
24.	Outstanding Achievements/Recognition by faculty/alumni both at National /International level	Nil
B. Desirable Indicators		
25.	Outstanding performance of students in sports/cultural activities at national level	Doon University has good infrastructure for all sports and cultural activities for its students. Students have been participating in such activities at national/ regional competitions. Students achieved some recognition in state level AIU sports activity.

26.	Feedback received from different stakeholders on syllabi etc. (i) Students (ii) Alumni (iii) Parents (iv) Employers (v) Peers	University is taking students feed back on regular basis. However, in some schools feedback from alumni and parents is also being obtained.
27.	Percentage of recommendations of the stakeholders implemented	DPR was prepared by IIM Benglore after thorough consultation with different stake holders and accordingly various programmes have been designed and implemented.
28	Number of interdisciplinary course combinations introduced during last five years as percentage of total programmes	Doon University has eight schools (School of Environment & Natural Resources; School of Management; School of Technology; School of Communication; School of Language; School of Physical Sciences; School of Social Sciences, School of Design) encompassing 15 departments in which various courses are offered. The in- house research programmes for M.Tech and PhD. Students are developed at school level so that students have opportunities for interdisciplinary learning. Further, the courses offered by the school of Environment & Natural Resources, and Communication are inter-disciplinary in nature.
29.	Percentage of Departments conducting tutorial classes	75%
30.	Number of courses, where continuous assessment of student performances is structured into the system	100%
31.	Percentage of faculty availing international fellowship for advance studies	5%
32.	Percentage of courses/programmes that formally integrate e-learning resources from National Programmed Teaching Enhanced Learning (NPTEL) Digital library retreival	5%
33.	Percentage of annual budget allocated for augmentation of infrastructure facilities (average of last 3 years)	19.71%
34.	Total number of class rooms, seminar halls with LCD/OHP etc.	80%
35.	Declaration of results within	Doon University declares results within 3-4 weeks of end- semester examination. Examination results are uploaded on university website by the University Examination Cell

36.	Average pass percentage of students	97%
37.	Student Placement percentage average per year	06%
38.	Percentage of student progression to higher education	05% (Masters to Ph D Programme)
39.	Average drop-out percentage of students	04%
40.	Unit cost of Education (excluding salary)	Rs 57,881/-
41.	Aggregate percentage of seats filled against seats reserved for various categories as per applicable reservation policy	70%
42.	Number of differently abled persons on roll: Teaching/Non-Teaching/Students	2 (one each in non teaching and students)
43.	Percentage representation of Staff (teaching/nonteaching) in decision making bodies	80%
44.	*Percentage of autonomous colleges to the total number of colleges	Doon University is unitary in nature.
45.	Percentage of teachers from other states	38%
46.	Donations received for institutions of Chairs, endowments, seminars, and lecture series in crores of INR in last 5 years	INR 0.5 Crores
47.	Contribution of Alumni/parents (average of last 5 years) for development of university in lakhs	Nil
48.	Percentage of Female Students	63%
49.	Programme for professional development of staff per year	2. Administrative and financial management for DR, Information technology up gradation for Assistant Librarian
50.	Projection of successful innovation practices	University is taking necessary steps to keep the Campus clean, green and energy efficient. Renewable energy, solid waste management practice and waste water recycling are some major initiatives. Use of ICT in teaching and examination system has been implemented successfully.

Place: Doon University, Dehradun **Date: 24.02.2016**	**Signature with seal of Vice Chancellor** **(Prof. V.K. Jain)** Prof. V.K. Jain Vice-Chancellor Doon University

दून विश्वविद्यालय
मोथरोवाला रोड़, केदारपुर, पो.ओ. अजबपुर,
देहरादून- 248001 (उत्तराखण्ड) भारत

DOON UNIVERSITY
Mothrowala Road, Kedarpur, P.O. Ajabpur,
Dehradun- 248001(Uttarakhand) INDIA

Prof. (Dr.) V.K. Jain, *D.Phil. (Sussex U.K.)*
प्रो० वी. के. जैन
Vice Chancellor / कुलपति

No...../VC-DU/2016
Dated: 15 February, 2016

Statement of Compliance
(Central and State Universities)

This is to certify that **DOON** University has complied with all the provisions of the following University Grants Commission (UGC) Regulations governing it:

- Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education 2010 and further amendments, if any, notified by the UGC.
- Minimum Standards and Procedure for the Award of M.Phil./Ph.D. Degree, Regulations 2009 and further amendments, if any, notified by the UGC.
- UGC (Affiliation of Colleges by Universities) Regulations, 2012 and further amendments, if any, notified by the UGC. **N/A**

Any false or misleading information provided by the institution, will be viewed seriously by NAAC and the accreditation given is liable to be withdrawn.

Name and signature with seal
of the Vice Chancellor

Date: 15 February, 2016

Prof. V.K. Jain
Vice-Chancellor
Doon University

Tel.:+91-135-2533102, Fax : 0135-2533110, 2533115, E-mail : doonvc@gmail.com

Statement of Compliance

(Central and State Universities)

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Any false or misleading information provided by the institution, will be viewed seriously by NAAC and the accreditation given is liable to be withdrawn.

Name and signature with seal
of the Vice Chancellor

Date 18Th February, 2016