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मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

Workshops and Seminar on Indian Knowledge System and Awareness and IPR

Dr. Arun Kumr	The Left, Right and Centre in securing a Patent: What it takes to draft a claim	26/11/2021 to 27/11/2021	Research and Innovation Cell
Dr. Arun Kumr	Understanding Dctmain of IPR: The wholesome Per.spective	10/03/2002 to 11/03/2022	Research and Innovation Cell and IQAC in association with Goa - Centre of Excellence Intellectual property
Dheeraj Kumar Singh	3 days FDP on Human Values	26/07/2023 to 28/072023	CPP, Doon University
Dr. Narendra Kumar	IPR Awareness Program "NIPAM"	12/05/2023	Dept. Of Computer Science, Doon University

Course in Program includes Research ethics

Name of School	Name of the Programme	Course Code	Course Name
School of Management	Ph.D	MPHD02	Research and Publication Ethics
School of Management	EXECUTIV E MBA	E-301	Business Ethics and Corporate Governance
School of Management	BBA	MC151	Business Ethics and Governance
School of Environmental Technology	Ph.D	ENR-556	Traditional Knowledge and IPR
School of Media and Communication studies	MA Media	COMM-517	Media Policies, Laws, Regulations and Ethics
School of Media and Communication studies	BA Media	COMM: 154	Media Laws and Ethics
School of Management	B.Com (Hons)	BCH04GE	Research and Publication Ethics Business Ethics



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**Goa – Center for Excellence in Intellectual Property
[G-CEIP]**

In association with

Goa College of Pharmacy, Panaji, GOA

Presents

Professional Advancement Program

Duration: 2 Days

**The Left, Right and Center in Securing a Patent:
*What it takes to draft a Claim !***

**Doon University
Dehradun, Uttarkhand
INDIA**

Nov. 26-27, 2021


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The Left, Right and Center in Securing a Patent: *What it takes to draft a Claim*

**Umesh Banakar, PhD, Professor and President, Banakar Consulting Services,
Westfield, IN 46074 USA**

Guest Speaker: TBA

PREFACE

A patent is an official document granting a right or privilege to an inventor for a term of years the only right to make, use or sell his or her invention. It is crucial that the scientists – generators of IP – understand the fundamentals as well as the nuances of the techno-legal considerations associated with assessing and translating their research findings into intellectual property worth protecting by securing a ‘patent’.

The process of patenting an invention starts with structuring an application which moves through a fairly well-established process incorporating several linear steps which ultimately culminate into securing an allowance of a claim(s). A well drafted application often decides the fate of an invention. As a result, drafting plays a crucial role in the success of an invention during its prosecution through securing the grant of a claim(s). In so doing drafting a patent application more than often poses to be a daunting task.

It is well known that most researchers, eventually inventors, enjoy challenges, and ensuring that a good patent is successfully secured can be a real challenge. In general, researchers turned inventors lack formal training in writing and/or the training is limited to practical/scientific paper or report writing. A judicious combination of several areas of expertise including, but not limited to, logical thinking, writing, technical knowledge and, of course, legal knowledge are essential. More than often this proves more challenging than expected.

This 2-day intensive focus program will provide the basic principles in translating research investigation into an invention leading to securing a Patent. This program will center around core topics such as Prior Art: search and analyses; principles of Anticipation and (non)obviousness; demonstrating difference between novelty and innovation; explaining inherency; understanding of (non)enablement and (non)indefiniteness; among others. Additionally, extensive discussion will focus on specific considerations associated with Claim: language, element(s), preamble, body, connecting phrases, scope, limit, drafting of the claim language (text), among others. The presentation, in addition to being interactive, will be generously supported with actual case studies which will be appreciated and understood by a researcher/scientist – the IP generators !

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The Left, Right and Center in Securing a Patent:

What it takes to draft a Claim

**Umesh Banakar, PhD, Professor and President, Banakar Consulting Services,
Westfield, IN 46074 USA**

Guest Speaker: TBA

DAY 1

Session I [AM – pre Lunch]

1. Welcome and Introduction
Objectives and Outcomes
2. Understanding of Patent Process [Brief]:
Application – Prosecution – Allowance
3. **“Patentability is an afterthought !?”**
Translating/Articulating Research into Invention – Scientist’s perspective

Session II [PM – post Lunch]

4. Prior Art/Information Disclosure Statement: Part I
Search and Identification
5. Prior Art/Information Disclosure Statement: Part II
Analyses and Demonstrating Differentiation
6. Basics of Patentability !!
Articulating Research Findings into Patent Claim
Invention to Practice

DAY 2

Session III [AM – pre Lunch]

7. Demonstrating difference between Novelty and Innovation
Principles of Anticipation and (non)Obviousness
8. Explaining Inherency
Understanding (non)Enablement and (non)Indefiniteness

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9. Secondary Considerations –
 - Failure of others
 - Long felt need
 - Others

Session IV [PM – post Lunch]

10. Patent Claim Construction: Part I
 - Claim Language,
 - Element(s) of a claim
 - Preamble and Body of the claim
 - Connecting phrases and notations
11. Scope and Limit
 - Consisting versus Comprising
 - Markush Group
 - Drafting of the claim language (text)
 - Others
12. Understanding Markman Hearing – Researcher/Scientist Perspective
 - Resolving Claim Construction Disagreements
13. Understanding of Validity and Invalidity of Patent [Claim(s)]
 - Case Studies
14. Understanding of Infringement and Non-infringement of Claim(s)
 - Case Studies
15. Summary and Concluding Remarks


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Course Leader (Speaker narrative)

Umesh V. Banakar, Ph.D. is a Professor and an Independent Consultant/Advisor to Pharmaceutical Industry and Academia worldwide with extensive contribution in drug product development and evaluation (*in vitro* and clinical).

During his academic career, he has served as Professor of Pharmaceutics, Director of Research, Chairperson of Department of Pharmaceutical Sciences and Head/Dean of Graduate School at 3 Universities in the US.

He assists/directs research teams in structuring and successfully prosecuting patents. Additionally, he directs scientists and management in analyzing IP for non/infringement, in/validity analyses. Furthermore, he has served as testifying/non-testifying expert in over 65 patent litigations in the disciplines of pharmaceutical formulations/technology, clinical investigations and dissolution testing.

He is the Founder of **Goa – Center for Excellence in Intellectual Property [G-CEIP] – non-profit, personally funded Center to promote IP Awareness nationwide.** Additionally, he is the founding Board Member and Principal Scientific Adviser of **Society for Pharmaceutical Dissolution Science [SPDS]**. Furthermore, he is the Founding **Chairperson of 2 International CROs** and has executed over 800 clinical trials (Phase I-IV including BE studies). He is the founding Board Member and Principal Scientific Adviser of Society for Pharmaceutical Dissolution Science [SPDS].

He is on the International Scientific Advisory Board of several pharmaceutical corporations worldwide. He has authored over 300 publications in various formats (textbooks, chapters in textbooks, manuals, research articles, expert book reviews, guest editorials, among others) and serves on International Editorial Advisory Boards of various publishing houses and scientific journals. He is on the roster of experts with WHO and United Nations (UN) programs. He is listed in Who's Who in Biotechnology, Who's Who Among Asian Americans, and American Men and Women of Science. He has received numerous awards for excellence in teaching, research/scholarly activity, **two Service to Country Awards from the UN** and nomination for the distinguished **Fulbright Scholar Award for Teaching.**


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Report

on

Professional Advancement Program for Indian Women Researchers in STEM

organized at

Doon University Dehradun

during

(02nd and 3rd June 2022)

Sponsored By

Science and Engineering Research Board (SERB),

Department of Science and Technology (DST), Government of India.

A two-day Professional Advancement Program for Indian Women Researchers in STEM, sponsored by Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India was organized at Doon University Dehradun (Uttarakhand) during 02nd-03rd June 2022. Enhancing the skills and competence of women scientists and academicians (engaged in research and development activities) was the main purpose of the program. Additional objectives were to sensitize, inspire and orient the women researchers in STEM for translational research and enable them to acquire competence for ensuring equal access and weighted opportunities in government funding schemes and their scientific growth. About 500 participants including, POWER (Promoting Opportunities for Women in Exploratory Research) grantee, women researchers and young faculty members from various states of the country attended the program. Some researchers from high hills of Uttarakhand also participated.



Prof. Sandeep Verma (Secretary, Science and Engineering Research Board, Department of Science and Technology, Ministry of Science and Technology, Government of India) and Prof. Surekha Dangwal (Vice-Chancellor, Doon University, Dehradun) in the Inaugural Session of Professional Advancement Program



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The workshop provided a platform to women researchers to interact with each other and catalyzed the collaboration among them in interdisciplinary areas. The program had highly relevant and significant interactive sessions on the following topics with eminent scientists:

1. Funding opportunities in Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India.
2. Science and Technology landscape: opportunities and challenges for women in Uttarakhand
3. Selection of the research problem in the present scenario and formulation of suitable research proposal for funding from national agencies
4. Women and leadership
5. Importance of translational research and ethics in research and publications,
6. Effective manuscript writing for publication in high impact journals,
7. Intellectual property rights: introduction of IPR, objectives and outcomes, identifying, acquiring, preserving and protecting the IPR.

The event was started with inauguration session graced by Hon'ble Chief Minister (Shri Pushkar Singh Dhama), Government of Uttarakhand. He appreciated the efforts of SERB to mitigate the gender disparity in STEM. He also highlighted the role of Uttarakhand's women in the research and related areas.



Lightening the Lamp in the Inaugural Session of Professional Advancement Program by Prof. Sandeep Verma (Secretary, Science and Engineering Research Board, Department of Science and Technology, Ministry of Science and Technology, Government of India) and Dr. Monika Agarwal (Scientist, SERB) in the gracious presence of Hon'ble Chief Minister Shri Pushkar Singh Dhama



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Prof. Surekha Dangwal (VC, Doon University) referred to the fact that many women are deterred from pursuing high-level careers in science in her welcome address. To address the causes of this potential wastage of human talent, much more is yet to be done. She added that the presence of distinguished female scientists and their captivating talks would inspire young female students in the university. She offered unconditional assistance to promote science in the region. Prof. Sandeep Verma (Secretary, SERB-DST) gave overview of SERB, its role and mandate. He encouraged the young women scientists to come forward and accept the scientific challenges. He also briefed them about the activities of the programs and its importance.



Prof. Surekha Dangwal (Vice-Chancellor, Doon University, Dehradun), Prof. Sandeep Verma (Secretary, Science and Engineering Research Board, Department of Science and Technology, Ministry of Science and Technology, Government of India) and Shri Pushkar Singh Dhami (Hon'ble Chief Minister, Government of Uttarakhand) in the Inaugural Session of Professional Advancement Program

Eight special lectures cum technical sessions were organized and delivered by the invited speakers. In the very first technical session of the program Dr. Monika Agarwal, SERB highlighted different funding opportunities offered by SERB. She commenced with a brief introduction on functions and objectives of SERB, a statutory funding body, which provides the researchers with research grants, fellowship awards, industrial program and gender as well as social inclusiveness for excellence in science. She further expatiated SERB-SUPRA, mentioning the selection of program in 100 days of S&T agenda of PMO. She also explained other program of SERB like Teachers Association for Research Excellence (TARE), Fund for Industrial



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Research Engagement (FIRE), SERB International Research Experience (SIRE), Science and Technology Award for Research (STAR), Intensification of Research in High Priority Area (IRHPA), International Travel Support (ITS) in details including eligibility criteria requirements and funding amount. She described the POWER program in detail which is a flagship program of SERB. It was started in 2020 to mitigate gender disparity and promote women scientists researcher in STEM. It is expected that providing such kind of opportunities to women will increase the participation of woman in scientific research. She projected visual reorientation of proposals received as well as granted for financial year 2020-2021 & 2021-2022 with help of graphs. She also briefed about newly launched SERB PRISM portal (project information and system and management) which provides information of projects supported by SERB. The information includes PI, Co-PI details, cost and equipment supported.

During the second technical session of the program Dr. Durgesh Pant (Educationist and Scientist to Chief Minister's Office, Government of Uttarakhand) focused on *Science and Technology Landscape: Opportunities and Challenges for Women in Uttarakhand*. The challenges, faced by women in Uttarakhand, were presented. The reasons why women need opportunities and encouragement to overcome such challenges were also rationalized. The representation of women in various areas were highlighted with specific examples of Indian Women leaders. This was a lively interacting session between the participants and the speaker.

Prof. Uday Maitra (Indian Institute of Science, Bangalore) was the speaker in the third technical session of 1st day on the topic entitled, "*Selection of a Research Problem for Funding from National Agencies*". The nature of research problem, appropriate for funding, was elaborated at a length. It was also suggested how to highlight this aspect in the research proposal to be submitted for funding by a government agency. The speaker elaborated the fact that one who chooses research as a career must be creative, innovative, and willing to work hard and take risks. A researcher must also enjoy the work. The questions, that are the progenitors of ideas and ultimately research problems, are very important. A research problem must involve some challenging idea, with specified aims and a motive of advancement of existing knowledge. The hypothesis for testing methodology must be very clear and described in accordance with the guidelines suggested by the funding agency. The reviewers and co-PIs with complementary expertise for interdisciplinary projects must be chosen appropriately.

Women and Leadership was the topic of the 4th and last technical session of 1st day. This session was conducted by Dr. Ananya Mukherjee, Vice-Chancellor of Shiv Nadar University. Participants were enlightened about the importance of women leadership in institutes, organizations and society. Dr. Mukherjee focused on how all the members of the society can play a crucial role on developing women leadership in different walks of life. According to her, leadership is not about one person. In fact, it is about the group of persons whom the leader leads and influences. It is the ability to create possibilities. Leader can be any person of society like a farmer, a CEO, or a Vice Chancellor who continue to influence, motivate and encourage



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others. Leader should have scientific temperament, and ability to change the path if it is not working. Leaders should have risk taking ability and responsibility to the failure of any team task.

Participants interacted with the speaker and shared their interesting queries in the form of questions e.g., What are the challenges that women face in the leadership role and men don't?, What if I fail?, How to polish leadership skills because I feel that woman is a born leader, How can all the three genders in society empower each other? and why are women afraid of accepting the opportunities?

In the evening, cultural highlights of Uttarakhand were presented and a play entitled "Nanda Devi Raj Jat Yatra" was performed by the students of Doon University.

The second day of the program began with the 5th technical session on the topic "How to write a good research proposal for funding". This session was conducted by Dr. Madhu Dixit (CSIR-Central Drug Research Institute, Lucknow) According to her, the research is defined as a creation of new knowledge and the use of the existing knowledge in a new and creative way so as to generate new concepts, new methodologies and understandings. It is a systematic enquiry to describe, explain, predict and control the observed phenomenon. The purpose of research is to find out what is known, what is not and what can be developed further. During the course of research, the scientists develop new theories, ideas and products that shape our society and our everyday life. Creative work must be undertaken in a systematic basis in order to increase the stock of knowledge to devise new applications. While formulating the research proposal, it is very important to define the research problem, which is a specific issue, difficulty, contradiction or gap in a knowledge. The researcher is supposed to aim at solving this problem while undertaking the research. An adequately formulated research proposal targets to define the research problem in the most articulate manner. As the funding for the research is identified through the background work in many cases, the proposal should also mention state of the art. It must also bring out the objectives clearly and concisely what the research would try to achieve. Methodologies to be adopted, alternative strategies and the impact must be suitably described. The description about the selection of team for the research work, time factor, and estimation of budget with justification towards value addition are also important components of the proposal. There must not be any error while identifying the funding body, eligibility and guidelines. The researchers must avoid the common errors (e.g., poorly or wrongly defined objectives, lack of alternative strategy, issues of plagiarism, sketchy methodology, non-alignment with the funding agency's priority area and inability to conceive the experts and resources) while writing the proposal.

An extremely significant issue i.e., importance of translational research and ethics in research and publications was addressed by Dr. Prathama S. Mainkar (CSIR-Indian Institute of Chemical Technology, Hyderabad) in the 6th technical session of 2nd day of the program. Ethics is a systematic study of values to decide what is right and what is wrong. In the context of research, the ethics focuses on providing the researchers with the guidelines for reviewing and evaluating



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the research. In this context, author responsibility, guidelines for editors, plagiarism etc. are very important aspects. Role of ethics in translational research is very important. If researchers follow ethical practices in the research pursuit, a beautiful scientific society can be created in the modern world.

Dr. Sanjay Batra (Chief Scientist, CSIR-Central Drug Research Institute, Lucknow) conducted the 7th session on the topic entitled "*How to write the manuscript for publication in high impact journals?*". The ways for writing an effective manuscript were covered. A good manuscript should have 3 'C's – clarity, conciseness and correctness. All the aspects of research writing were covered thoroughly with special emphasis on quality abstract and conclusion. The introduction of the research paper must project the nature of the problem and significance of the study. Regarding main body of the paper like methodology, results, discussion and interpretations, the speaker provided the participants with interesting suggestions.

Prof. Umesh V. Banakar (Banakar Consulting Services, USA) conducted the last i.e., the 8th session of the program on the topic entitled "*Intellectual Property Rights: objectives and outcomes, understanding the domain of IPR including identifying, acquiring, preserving and protecting*". The importance of IPR domain, role of scientists in IPR and securing the patents was highlighted. According to him, all innovations do not end to an innovation but all the innovations have to have innovation plus novelty. The ways for protecting the IPR were presented. Light was also thrown on the policies for protection of IPR. The difference between IP intelligence and competitive intelligence was clarified.

The program came to an end on the evening of 2nd June 2022 with the concluding remarks of Dr. Arun Kumar (Convenor of the program). In the program status of involvement of women in STEM was critically analyzed. Inadequate representation of women in STEM is a global problem. The main reason is that there is not sufficient number of women in the pipeline. The basic path to address this problem is to start giving opportunities from household level. In this path, the talent of women must not be underestimated and undermined. They must be encouraged highlighting their strengths and talents. Both men and women should come together to empower each other equally in the society. Since this conference was intended to be a stepping stone in the long road to improve the competence of Indian women in STEM, the participants found the platform to interact with renowned resource persons and the SERB officials. The participants also found this occasion to develop the collaboration among them in interdisciplinary areas. The highly relevant, informative and significant interactive sessions brought clarity to the women researchers to a great extent. They learnt about the various scheme and program of SERB and further learnt how to select research problem and formulate the research proposal for funding from national agencies. The resource person made the concept of ABC (i.e., accurate, brief and clear) very clear in context of formulation of research proposal. How, a manuscript can be written effectively using 3 'C's (i.e., clarity, conciseness and correctness) was received well by the participants. They also got sensitized about the importance of translational research and ethics in research and publications. Very informative and interesting technical session on



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intellectual property rights created a huge impact on the participants. In this session, the importance of IPR domain, role of scientists in IPR and methods of drafting and securing a patent brought clarity to the participants. The women researchers belonging to the difficult terrain of Himalayan region of the Uttarakhand were greatly benefitted in terms of their orientation and training.

YouTube video links of the various events and other lectures of this program are as follows:

(Inaugural Session) https://youtu.be/XC1AziKT6j8?si=pBXM540s_bhygzbP

(Women and Leadership Session) <https://youtu.be/qAZqyfecMLs?si=AzQ6TtHBHzQj0Z80>

(Funding Opportunities in SERB, DST) <https://youtu.be/qg4rKQm18KQ?si=8cEm19tmzEXBfMi2>

(Ethics in Research and Publication) <https://youtu.be/c-FrOVqI1PM?si=pDYY-64GCPZp2x1s>

(How to target for high impact factor journal) <https://youtu.be/CB7Yr51mst8?si=Pq1hiQ29SIfsBQ0>

(How to select a research problem for funding) <https://youtu.be/pdfZ1NqywjY?si=yaRhoRK1NPQrOk6d>

(How to formulate the research proposal) <https://youtu.be/6uw5t3P52gs?si=G4vdk-A8ul8-UEA>

Approximately all the Faculty Members, Research Scholars, Students and staff members of Doon University has participated enthusiastically in this two-day workshop. List of Faculty Members, Research Scholars, Students and staff members participated are as follows:

S.no.	Name	Designation	Department/School
1	Prof. Surekha Dangwal	Hon'ble Vice Chancellor	Doon University
2	Dr. M. S. Mandrawal	Hon'ble Registrar	Doon University
4	Prof. H. C. Purohit	Head	School of Management
5	Prof. Harsh Dobhal	Visiting Faculty	School of Media & Communication Studies
6	Dr. Arun Kumar	Head I/C	Department of Chemistry
7	Dr. Himani Sharma	Head I/C	Department of Physics
8	Dr. Chetana Pokhriyal	Head I/C	Department of English
9	Dr. Mala Shikha	Head I/C	Department of Spanish Studies
10	Miss Subhra Kukreti	Head I/C	Department of French Studies
11	Dr. A. R. Gairola	Head I/C	Department of Mathematics
12	Dr. Vipul Goswami	Head I/C	Department of German Studies
13	Dr. Narendra Rawal	Head I/C,	Department of Computer Science
14	Prof. Kusum Arunachalam	Head I/C	School of Environment and Natural Resources
15	Dr. Sarita Karnataka	Head I/C	Department of Psychology
16	Dr. Dhriti Daundhiyal	Head I/C	School of Design
17	Dr. Ashish Kumar	Head Librarian	Central Library
18	Dr. Komal	Assistant Professor	Department of Mathematics
19	Dr. Rajesh Bhatt	Assistant Professor	Department of Psychology
20	Dr. Rashi Mishra	Assistant Professor	School of Media & Communication Studies



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21	Dr. Ajeet Panwar	Assistant Professor	Department of Theatre
22	Dr. Rachna Gusain	Assistant Professor	Department of Computer Science
23	Mr. Abhinav Joshi	PA Vice Chancellor	VC Office, Doon University
24	Ms. Pallavi Bisht	PA Vice Chancellor	VC Office, Doon University
25	Dr. Anuj Kumar	Assistant Professor	Department of Computer Science
26	Dr. Preeti Mishra	Assistant Professor	Department of Computer Science
27	Dr. Charu Dwivedi	Assistant Professor	Department of Chemistry
28	Dr. Smita Tripathi	Assistant Professor	School of Management
29	Dr. Gazala Khan	Assistant Professor	Department of English
30	Dr. Shiva Agrawal	Assistant Professor (Guest)	Department of Chemistry
31	Dr. Amita Sati	Assistant Professor (Guest)	Department of Chemistry
32	Dr. S.V. Garimella	UGC Assistant Professor	Department of Chemistry
33	Dr. Naresh Mishra	Assistant Professor	Department of Sociology
34	Dr. Vivekananda Bahuguna	Assistant Professor	School of Biological Sciences
35	Dr. Charu Thapliyal	Assistant Professor (Guest)	School of Biological Sciences
36	Dr. Babita	Assistant Professor (Guest)	School of Biological Sciences
37	Dr. Sachin Kumar	Assistant Professor	School of Physical Sciences
38	Dr. Vikas Sharma	Assistant Professor	Department of Physics
39	Dr. Indira	Assistant Professor (Guest)	Department of Physics
40	Dr. Gaurav K. Upadhyay	Assistant Professor (Guest)	Department of Physics
41	Dr. Suneet Naithani	Assistant Professor	School of Environment and Natural Resources
42	Dr. Vijay Shridhar	Assistant Professor	School of Environment and Natural Resources
43	Dr. Vipin Saini	Assistant Professor	School of Environment and Natural Resources
44	Dr. Archana Shama	Assistant Professor	School of Environment and Natural Resources
45	Dr. Ujjwal Kumar	Assistant Professor	School of Environment and Natural Resources
46	Dr. Surendir Singh Suthar	Associate Professor	School of Environment and Natural Resources
47	Dr. Achlesh Daverey	Assistant Professor	School of Environment and Natural Resources
48	Mr. Vipin Naithani	Staff Doon University	Guest House, Doon University
49	Mr. Narendra Lal	Deputy Registrar	Administration, Doon University
50	Mr. Sanjay Ghildiyal	Assistant Registrar (Finance)	Administration, Doon University
51	Mr. Mukesh Kumar	Assistant Registrar (Admin)	Administration, Doon University
52	Mr. Sachin Panwar	Staff Doon University	Doon University
53	Preeti Oswal	Research Scholar	Department of Chemistry
54	Suraj Purohit	Research Scholar	Department of Chemistry
55	Jyoti Rawat	Research Scholar	Department of Chemistry





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57	Priya Dimri	Research Scholar	Department of Chemistry
58	Kavita Mishra	Research Scholar	Department of Chemistry
59	Saurabh Rawat	Research Scholar	Department of Physics
60	Shivani Dangwal	Research Scholar	Department of Physics
61	Suniti	Research Scholar	Department of Physics
62	Shivankur Thapliyal	Research Scholar	Department of Computer Science
63	Sukhwinder	Research Scholar	Department of Mathematics
64	Shailly Verma	Research Scholar	School of Environment and Natural Resources
65	Deepti	Research Scholar	School of Environment and Natural Resources
66	Priyanshu Tiwary	Research Scholar	School of Environment and Natural Resources
67	Anuj Chauhan	Research Scholar	School of Environment and Natural Resources
68	Riya Aneja	Research Scholar	School of Environment and Natural Resources
69	Himanshi	Research Scholar	School of Environment and Natural Resources
70	Ishan Rayal	Research Scholar	School of Environment and Natural Resources
71	Ashita Pawaiya	Research Scholar	School of Environment and Natural Resources
72	Anjali Mishra	Research Scholar	School of Environment and Natural Resources
73	Ashish Sharma	Research Scholar	School of Environment and Natural Resources
74	Swati Singh	Research Scholar	School of Environment and Natural Resources
75	Tanuja Mehra	Research Scholar	School of Environment and Natural Resources
76	Sunny Joshi	Research Scholar	School of Environment and Natural Resources
77	Jyoti Sriram	Research Scholar	School of media & communication
78	Shailendra S. Rathore	Research Scholar	School of media & communication
79	Avantika Balodi	Research Scholar	School of media & communication
80	Rocky Khajuriya	Research Scholar	Department of Mathematics
81	Vinay Pandey	Research Scholar	Department of Mathematics
82	Deepak Kumar	Research Scholar	Department of Psychology
83	Ayushi Pandwal	Research Scholar	Department of Psychology
84	Cadet Kamna	Student	NCC, Doon University





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86	Cadet Aditi Pant	Student	NCC, Doon University
87	Cadet Aditi Kaushik	Student	NCC, Doon University
88	Cadet Akansha Kohli	Student	NCC, Doon University
89	Cadet Akshita Negi	Student	NCC, Doon University
90	Cadet Urvashi Saini	Student	NCC, Doon University
91	Cadet Shristi Kala	Student	NCC, Doon University
92	Cadet Gunjan Thapa	Student	NCC, Doon University
93	Cadet Vaishali Chetri	Student	NCC, Doon University
94	Cadet Jiya Rautela	Student	NCC, Doon University
95	Cadet Neha Rawat	Student	NCC, Doon University
96	Cadet Neha Bhandari	Student	NCC, Doon University
97	Cadet Anushka Nautiyal	Student	NCC, Doon University
98	Cadet Megha Bora	Student	NCC, Doon University
99	Cadet Antra Negi	Student	NCC, Doon University
100	Cadet Neha Rawat	Student	NCC, Doon University
101	Anurag Bahuguna	Student	Department of Chemistry
102	Ramakshi Rana	Student	Department of Chemistry
103	Anshika	Student	Department of Chemistry
104	Nivedita Kunwar	Student	Department of Chemistry
105	Aditri Joshi	Student	Department of Chemistry
106	Saumya Rawat	Student	Department of Chemistry
107	Khushi Joshi	Student	Department of Chemistry
108	Antra Negi	Student	Department of Chemistry
109	Urvashi Negi	Student	Department of Chemistry
110	Priyanka	Student	School of Environment and Natural Resources
111	Aditya Nautiyal	Student	Department of Computer Science
112	Paarth Benjwal	Student	Department of Computer Science
113	Chandramauli Sati	Student	Department of Computer Science
114	Aditi Sharma	Student	Department of Computer Science
115	Tejasvi Rana	Student	Department of Computer Science
116	Nikhil Mewar	Student	Department of Computer Science
117	Bhumika Rawat	Student	Department of Chemistry
118	Manisha Chauhan	Student	Department of Chemistry
119	Amisha Aswal	Student	Department of Chemistry
120	Srishti Badoni	Student	Department of Chemistry
121	Shubhra Jyoti Semwal	Student	Department of Chemistry
122	Sapna Painuly	Student	Department of Chemistry
123	Sakshi Dimri	Student	Department of Chemistry
124	Jahnvi Rana	Student	Department of English
125	Ayushi Rawat	Student	Department of English
126	Gargi Kharkwal	Student	Department of English

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128	Jyotsna Nautiyal	Student	Department of English
129	Ruchita Nautiyal	Student	Department of English
130	Tanishka Rawat	Student	Department of English
131	Maneesha Negi	Student	Department of English
132	Khushi Arora	Student	Department of Computer Science
133	Sneha Bahuguna	Student	Department of Chemistry
134	Apporva Saklani	Student	Department of Chemistry
135	Risha Riyal	Student	Department of Physics
136	Manav Sharma	Student	Department of Physics
137	Ayush Petwal	Student	Department of Chemistry
138	Harsh Gupta	Student	Department of Chemistry
139	Prakriti Gusain	Student	Department of Chemistry
140	Aman Jha	Student	Department of Computer Science
141	Vanshika Rana	Student	Department of Computer Science
142	Ashish Kumar	Student	Department of Computer Science
143	Divyanshi Dhasmana	Student	Department of Chemistry
144	Anushka Krishali	Student	Department of Chemistry
145	Anjali Yadav	Student	Department of Chemistry
146	Jaya Sharma	Student	Department of Chemistry
147	Divya bhandari	Student	Department of Chemistry
148	Riya bartwal	Student	Department of Chemistry
149	Aditya Kunwar	Student	Department of Computer Science
150	Aditya Pandey	Student	Department of Computer Science
151	Sakshi Sharma	Student	Department of Mathematics
152	Anushka Rana	Student	Department of Computer Science
153	Shashank Gusain	Student	Department of Computer Science
154	Akshansh Pal	Student	Department of Computer Science
155	Priyanshi	Student	Department of Computer Science
156	Preeti Roy	Student	Department of Computer Science
157	Megha Pal	Student	Department of Computer Science
158	Jayshree	Student	Department of Physics
159	Amisha Dauiyal	Student	School of Biological Sciences
160	Ananya Bisht	Student	School of Biological Sciences
161	Aishwarya Juyal	Student	Department of Chemistry
162	Abhishek Negi	Student	Department of Chemistry
163	Akshita Negi	Student	Department of Chinese
164	Parul	Student	School of Media & Communication
165	Aditi Uniyal	Student	School of Media & Communication
166	Priya Tyagi	Student	School of Media & Communication
167	Vinit Verma	Student	School of Media & Communication

