



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

DOON UNIVERSITY

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Dissertation

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REGISTRAR



都安大学
外语学院，中文系

从文学作品到电影，有什么失去或收获：巴尔扎克和《巴尔扎克与小裁缝》的案例研究

FROM LITERATURE TO MOVIE WHAT IS LOST OR GAINED: A CASE STUDY
OF BALZAC AND THE LITTLE CHINESE SEAMSTRESS

研究生名字：阿迪， Aditya Chandel

学科，专业：中文

研究方向：中国文学

指导教师姓名，职称：Mr Madhurendra Kumar Jha, Assistant Professor

提交日期： 3rd June '2023

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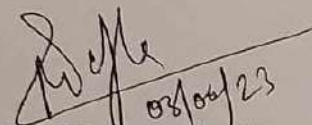
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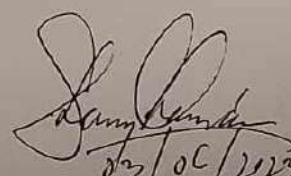
Abstract

When it comes to a movie adaptation of a book it is very challenging, because the writer and director may have differing interpretations of the storyline and characters. Making a film based on a book gets considerably more difficult when the writer and director are the same people. The objective of this dissertation what was lost and what was gained during the adaptation of the movie, by using the movie and book to understand the role of art in its evolution and development, why it was banned in China, why there are French references in both movie and book and by involving French literature and movie making methodology made any significance, why Dai Sijie signed Liu Ye as "Ma" and Chen Kun as "Luo" as the main protagonist of the movie? I hope my dissertation will raise some valid questions.

CERTIFICATE

This is to certify that the Dissertation entitled “从文学作品到电影，有什么失去或收获：巴尔扎克和《巴尔扎克与小裁缝》的案例研究” submitted by Aditya Chandel has been done under my supervision. It also certified that the work in this Dissertation embodies the candidate's original research and hard work. This assistance and support received during the investigation and all the sources of literature have been fully acknowledged.


 08/04/23
 Mr Madhurendra Jha
 (Supervisor)


 07/04/23
 Mr Shanky Chandra
 Head of the Department
 Assistant Professor
 Department of Chinese Studies
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PROJECT ON

Ratio Analysis of Infosys, Reliance and TCS Limited

UNDER THE GUIDANCE OF

Dr. SANDHYA JOSHI

SUBMITTED BY

PRACHI RAWAT

BCH ID – 65

BACHELOR IN COMMERCE

BATCH 2020-2023

TO

DOON UNIVERSITY

DEHRADUN

UTTARAKHAND,

248001

CERTIFICATE

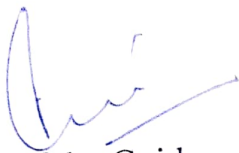
This is to certify that the study presented by Prachi Rawat to the DOON UNIVERSITY in part completion of the three-year full time degree of Bachelor in Commerce under the title of "Ratio Analysis of Infosys, Reliance and TCS Limited" has been done under my guidance. To the best of my knowledge, this project is in the nature of original work that has not been submitted for any degree of this university or any other University.

Signature of the Candidate



PRACHI RAWAT

Forwarded through the Research Guide



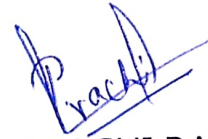
Signature of the Guide

Dr. SANDHYA JOSHI

DECLARATION

I, PRACHI RAWAT bearing BCH ID 65 hereby declare that the project entitled "Ratio Analysis of Infosys, Reliance and TCS Limited" has been prepared by me towards the partial fulfillment of the requirements for the Bachelor in Commerce program under the guidance of Dr. Sandhya Joshi.

I also declare that this project report is my original work and has not previously formed the basis for the award of any degree, diploma, associate ship or other.



PRACHI RAWAT

Date:

Place: Dehradun

ACKNOWLEDGEMENT

I would like to thank my supervisor Dr. Sandhya Joshi. For her dedicated support and guidance. Mam continuously provided encouragement and was always willing and enthusiastic to assist in any way she could throughout the research project. Finally, many thanks to all participants that took part in the study and enabled this research to be possible.



PRACHI RAWAT

What is Ratio Analysis?

- Ratio analysis is a quantitative method of gaining insight into a company's liquidity, operational efficiency, and profitability by studying its financial statements such as the balance sheet and income statement. Ratio analysis is a cornerstone of fundamental equity. Analysis.

Types of Ratio Analysis

The various kinds of financial ratios available may be broadly grouped into the following-

Balance Sheet of Infosys

	In Rs. Cr.				
	Mar 12	Mar 10	Mar 17	Mar 10	Mar 15
	12 mths	12 mths	12 mths	12 mths	12 mths
EQUITIES AND LIABILITIES					
SHAREHOLDER'S FUNDS					
Equity Share Capital	2,178.00	1,092.00	1,148.00	1,148.00	574.00
Total Share Capital	2,178.00	1,092.00	1,148.00	1,148.00	574.00
Reserves and Surplus	60,533.00	62,410.00	66,868.00	59,934.00	47,494.00
Total Reserves and Surplus	60,533.00	62,410.00	66,868.00	59,934.00	47,494.00
Total Shareholders Funds	62,711.00	63,502.00	68,017.00	61,082.00	48,068.00
NON-CURRENT LIABILITIES					
Deferred Tax Liabilities (Net)	541.00	505.00	0.00	0.00	0.00
Other Long Term Liabilities	248.00	208.00	82.00	62.00	30.00
Total Non-Current Liabilities	789.00	713.00	82.00	62.00	30.00
CURRENT LIABILITIES					
Trade Payables	1,604.00	736.00	269.00	623.00	124.00
Other Current Liabilities	13,321.00	10,458.00	11,167.00	10,529.00	5,546.00
Short Term Provisions	505.00	436.00	350.00	438.00	6,945.00
Total Current Liabilities	15,430.00	11,630.00	11,786.00	11,589.00	13,715.00
Total Capital And Liabilities	78,930.00	75,877.00	79,885.00	72,732.00	61,813.00
ASSETS					
NON-CURRENT ASSETS					
Tangible Assets	10,394.00	9,027.00	8,805.00	8,248.00	7,347.00
Intangible Assets	103.00	130.00	0.00	0.00	0.00
Capital Work in Progress	1,212.00	1,442.00	1,347.00	934.00	769.00
Fixed Assets	11,709.00	10,599.00	9,852.00	9,182.00	8,116.00
Non-Current Investments	12,062.00	11,593.00	15,334.00	11,076.00	6,108.00
Deferred Tax Assets (Net)	1,114.00	1,128.00	348.00	405.00	433.00
Long Term Loans And Advances	16.00	19.00	5.00	5.00	4,378.00
Other Non-Current Assets	7,506.00	8,048.00	6,886.00	5,987.00	26.00
Total Non-Current Assets	32,767.00	31,787.00	32,203.00	28,635.00	19,061.00
CURRENT ASSETS					
Current Investments	8,077.00	5,906.00	9,643.00	2.00	749.00
Trade Receivables	13,370.00	12,151.00	10,960.00	9,798.00	6,627.00
Cash And Cash Equivalents	15,551.00	16,770.00	19,153.00	29,176.00	27,722.00
Short Term Loans And Advances	1,048.00	360.00	310.00	355.00	3,231.00
Other Current Assets	10,177.00	8,870.00	7,816.00	5,765.00	2,423.00
Total Current Assets	46,223.00	44,090.00	47,802.00	46,097.00	42,752.00
Total Assets	78,930.00	75,877.00	79,885.00	72,732.00	61,813.00
OTHER ADDITIONAL INFORMATION					
CONTINGENT LIABILITIES, COMMITMENTS					
Contingent Liabilities	4,617.00	0.00	0.00	1,483.00	1,461.00
CIF VALUE OF IMPORTS					
Trade/Other Goods	0.00	0.00	0.00	0.00	3.00
Capital Goods	0.00	0.00	0.00	0.00	415.00

Balance Sheet of Reliance Industries

In Rs. Cr.

	Mar 19	Mar 18	Mar 17	Mar 16	Mar 15
	12 mths	12 mths	12 mths	12 mths	12 mths
EQUITIES AND LIABILITIES					
SHAREHOLDER'S FUNDS					
Equity Share Capital	6,339.00	6,335.00	3,251.00	3,240.00	3,236.00
Total Share Capital	6,339.00	6,335.00	3,251.00	3,240.00	3,236.00
Reserves and Surplus	398,983.00	308,297.00	285,058.00	236,936.00	212,923.00
Total Reserves and Surplus	398,983.00	308,297.00	285,058.00	236,936.00	212,923.00
Total Shareholders Funds	405,322.00	314,632.00	288,309.00	240,176.00	216,159.00
Equity Share Application Money	0.00	15.00	4.00	8.00	17.00
NON-CURRENT LIABILITIES					
Long Term Borrowings	118,098.00	81,596.00	78,723.00	77,866.00	76,227.00
Deferred Tax Liabilities (Net)	47,317.00	27,926.00	24,766.00	13,159.00	12,677.00
Other Long Term Liabilities	504.00	504.00	0.00	0.00	0.00
Long Term Provisions	2,483.00	2,205.00	2,118.00	1,489.00	1,404.00
Total Non-Current Liabilities	168,402.00	112,231.00	105,607.00	92,514.00	90,308.00
CURRENT LIABILITIES					
Short Term Borrowings	39,097.00	15,239.00	22,580.00	14,490.00	12,914.00
Trade Payables	88,241.00	88,675.00	68,161.00	54,521.00	54,470.00
Other Current Liabilities	73,900.00	85,815.00	60,817.00	54,841.00	19,063.00
Short Term Provisions	783.00	918.00	1,268.00	1,170.00	4,854.00
Total Current Liabilities	202,021.00	190,647.00	152,826.00	125,022.00	91,301.00
Total Capital And Liabilities	775,745.00	617,525.00	546,746.00	457,720.00	397,785.00
ASSETS					
NON-CURRENT ASSETS					
Tangible Assets	194,895.00	191,879.00	145,486.00	91,477.00	79,778.00
Intangible Assets	8,293.00	9,085.00	9,092.00	39,933.00	34,785.00
Capital Work-In-Progress	105,155.00	92,581.00	128,283.00	97,296.00	65,178.00
Intangible Assets Under Development	6,402.00	6,902.00	4,458.00	9,583.00	10,575.00
Fixed Assets	314,745.00	300,447.00	287,319.00	238,289.00	190,316.00
Non-Current Investments	271,980.00	171,945.00	140,544.00	112,630.00	62,058.00
Long Term Loans And Advances	31,806.00	17,899.00	10,418.00	16,237.00	29,259.00
Other Non-Current Assets	4,287.00	3,522.00	2,184.00	0.00	0.00
Total Non-Current Assets	622,818.00	493,813.00	440,465.00	367,156.00	281,633.00
CURRENT ASSETS					
Current Investments	59,556.00	53,277.00	51,906.00	39,429.00	50,515.00
Inventories	44,141.00	39,568.00	34,018.00	28,034.00	36,551.00
Trade Receivables	12,110.00	10,460.00	5,472.00	3,495.00	4,661.00
Cash And Cash Equivalents	3,768.00	2,731.00	1,754.00	6,892.00	11,571.00
Short Term Loans And Advances	4,876.00	3,533.00	4,900.00	11,938.00	12,307.00
Other Current Assets	28,473.00	14,343.00	8,231.00	776.00	547.00
Total Current Assets	152,927.00	123,912.00	106,281.00	90,584.00	116,152.00
Total Assets	775,745.00	617,525.00	546,746.00	457,720.00	397,785.00

OTHER ADDITIONAL INFORMATION
CONTINGENT LIABILITIES, COMMITMENTS

Balance Sheet

		(₹ crores)	
	Note	As at March 31, 2018	As at March 31, 2017
SETS			
Non-current assets			
Property, plant and equipment	4	9,430	9,214
Capital work-in-progress		1,238	1,477
Intangible assets	5	10	17
Financial assets			
(i) Investments	6(A)	2,186	2,201
(ii) Trade receivables	12(A)	94	67
(iii) Unbilled revenue		179	110
(iv) Loans	7(A)	1,503	6
(v) Other financial assets	8(A)	504	638
(e) Income tax assets (net)		3,824	4,560
(f) Deferred tax assets (net)	9	3,051	2,447
(g) Other assets	10(A)	815	579
Total non-current assets		<u>22,834</u>	<u>21,316</u>
Current assets			
(a) Inventories		25	21
(b) Financial assets	11		
(i) Investments	6(B)	35,073	40,729
(ii) Trade receivables	12(B)	18,882	16,582
(iii) Unbilled revenue		5,330	4,125
(iv) Cash and cash equivalents	13	1,278	790
(v) Other balances with banks	14	2,209	526
(vi) Loans	7(B)	2,793	2,704
(vii) Other financial assets	8(B)	807	1,418
(c) Other assets	10(B)	1,825	1,547
Total current assets		<u>68,222</u>	<u>68,442</u>
TOTAL ASSETS		<u>91,056</u>	<u>89,758</u>
EQUITY AND LIABILITIES			
Equity			
(a) Share capital			
(b) Other equity	15	191	197
Total Equity	16	<u>75,675</u>	<u>77,825</u>
Liabilities		<u>75,866</u>	<u>78,022</u>
Non-current liabilities			
(a) Financial liabilities			
(i) Borrowings	17(A)	39	44
(ii) Other financial liabilities	18(A)	246	245
(b) Employee benefit obligations	23(A)	62	63
(c) Provisions	19(A)	26	39
(d) Deferred tax liabilities (net)	9	434	314
(e) Other liabilities	20(A)	335	330
Total non-current liabilities		<u>1,132</u>	<u>1,035</u>
Current liabilities			
(a) Financial liabilities			
(i) Borrowings			
(ii) Trade payables	17(B)	181	200
(iii) Other financial liabilities	18(B)	4,775	4,190
(b) Unearned and deferred revenue		2,739	1,946
(c) Income tax liabilities (net)		1,711	1,126
(d) Employee benefit obligations		1,144	1,046
(e) Provisions	23(B)	1,478	1,376
(f) Other liabilities	19(B)	171	66
Total current liabilities	20(B)	<u>1,859</u>	<u>751</u>
TOTAL EQUITY AND LIABILITIES		<u>14,058</u>	<u>10,187</u>

PROJECT ON

Ratio Analysis of Tata Motors and TVS Motors

UNDER THE GUIDANCE OF

Dr. SANDHYA JOSHI

SUBMITTED BY

ISHAAN

BCH ID – 79

BACHELOR IN COMMERCE

BATCH 2020-2023

TO

DOON UNIVERSITY

DEHRADUN

UTTARAKHAND,

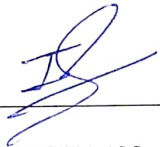
248001

CERTIFICATE

This is to certify that the study presented by ISHAAN to the DOON UNIVERSITY in part completion of the three-year full time degree of Bachelor of Commerce under the title of “Ratio Analysis of Tata Motors and TVS Motors” has been done under my guidance.

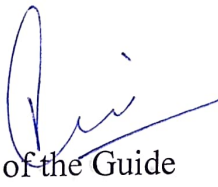
To the best of my knowledge, this project is in the nature of original work that has not been submitted for any degree of this university or any other University.

Signature of the Candidate



ISHAAN

Forwarded through the Research Guide


Signature of the Guide

Dr. SANDHYA JOSHI

DECLARATION

I, ISHAAN bearing BCH ID 79 hereby declare that the project entitled "Ratio Analysis of Tata Motors and TVS Motors" has been prepared by me towards the partial fulfillment of the requirements for the Bachelor of Commerce program under the guidance of Dr. Sandhya Joshi.

I also declare that this project report is my original work and has not previously formed the basis for the award of any degree, diploma, associate ship or other.



ISHAAN

Date:

Place: Dehradun

ACKNOWLEDGEMENT

I would like to thank my supervisor Dr. Sandhya Joshi. For her dedicated support and guidance. Mam continuously provided encouragement and was always willing and enthusiastic to assist in any way she could throughout the research project. Finally, many thanks to all participants that took part in the study and enabled this research to be possible.



ISHAAN

Balance Sheet Of Tata Motors

CONSOLIDATED BALANCE SHEET

As at 31 March (£ millions)	Note	2022
Non-current assets		
Investments in equity accounted investees		
Other non-current investments	15	321
Other financial assets	16	40
Property, plant and equipment	17	185
Intangible assets	18	6,253
Right-of-use assets	19	4,866
Pension asset	26	568
Other non-current assets	32	434
Deferred tax assets	20	35
Total non-current assets	14	336
Current assets		13,028
Cash and cash equivalents		
Short-term deposits and other investments	21	4,223
Trade receivables		175
Other financial assets		722
Inventories	19	394
Other current assets	23	2,781
Current tax assets	20	493
Assets classified as held for sale		20
Total current assets		4
Total assets		8,812
Current liabilities		21,840
Accounts payable	24	5,144
Short-term borrowings	25	1,779
Other financial liabilities	26	870
Provisions	27	989
Other current liabilities	28	674
Current tax liabilities		115
Total current liabilities		9,572
Non-current liabilities		
Long-term borrowings	25	3,218
Other financial liabilities	26	871
Provisions	27	1,117
Retirement benefit obligation	32	75
Other non-current liabilities	28	404
Deferred tax liabilities	14	105
Total non-current liabilities		7,765
Total liabilities		17,337
Equity attributable to shareholders		
Ordinary shares	29	1,501
Capital redemption reserve	29	167
Other reserves	30	2,835
Equity attributable to shareholders		4,503
Non-controlling interests		
Total equity		4,503
Total liabilities and equity		21,840

TVS MOTOR COMPANY Ltd

Statement Of Profit And Loss

Particulars	Note No.	Figures for Year ended 31.3.2016	Previous Accounting Year ended 31.3.2015
1. Revenue from Operations		6,993.97	6,178.43
(a) Net Sales / Income from Operations		132.23	109.59
(b) Other Operating Income		7,126.20	6,288.02
Total Revenue from Operations (Net)	1	21.71	35.62
2. Other Income	2	7,147.91	6,323.64
3. Total		5,132.28	4,650.65
4. Expenditure		143.91	107.14
(a) Cost of Materials Consumed	3		
(b) Purchases of Stock-in-Trade	4	(15.14)	(143.88)
(c) Changes in Inventories of Finished Goods, Work-in-Process Stock-in-trade	5	370.1 1	326.72
(d) Employees Benefit Expenses		1 17.53	107.25
(e) Depreciation and Amortization Expenses		57.09	72.33
(f) Finance Costs (g) Other Expenses	6	1,025.67	955.34
Total		6,831.45	6,075.55
5. Profit (+) Loss (-) before Tax (3 - 4)		316.46	248.09
6. Less: Tax		67.39	53.51
7. Net Profit (+) Loss (-) after Tax (5 - 6)		249.07	194.58

Balance Sheet

Particulars	Note No.	31st March, 2016	31st March, 2015
I. EQUITY AND LIABILITIES			
1. Shareholders' Funds		47.51	47.51
(a) Share Capital		1,219.34	1,047.56
(b) Reserves and Surplus			
2. Non-Current Liabilities		479.93	554.34
(a) Long-term Borrowings		48.54	42.63
(b) Long-term Provisions			
3. Current Liabilities		235.53	79.09
(a) Short-term Borrowings		737.70	669.11
(b) Trade Payables		314.22	367.92
(c) Other Current Liabilities		57.73	49.35
(d) Short-term Provisions			
Total		3,140.50	2,857.51
II. ASSETS			
1. Non-Current Assets			994.98
(a) Fixed Assets		930.92	649.38
(b) Non-current Investments		53.20	95.75
(c) Long-term Loans and Advances			
2. Current Assets		584.56	11.75
(a) Current Investments		234.07	527.92
(b) Inventories		13.03	270.62
(c) Trade Receivables		146.89	6.01
(d) Cash and Cash Equivalents		99.75	206.28
(e) Short-term Loans and Advances			94.82
Other Current Assets			
Total		3,140.50	2,857.51

PROJECT ON

Analysis of Financial Statement of Facebook

UNDER THE GUIDANCE OF

Dr. SANDHYA JOSHI

SUBMITTED BY

AFREEN

BCH ID – 69

BACHELOR IN COMMERCE

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CERTIFICATE

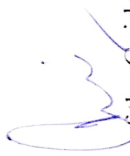
This is to certify that the study presented by AFREEN to the DOON UNIVERSITY in part completion of the three-year full time degree of Bachelor in Commerce under the title of “Analysis of Financial Statement of facebook” has been done under my guidance. To the best of my knowledge, this project is in the nature of original work that has not been submitted for any degree of this university or any other University.

Signature of the Candidate



AFREEN

Forwarded through the Research Guide



Signature of the Guide

Dr. SANDHYA JOSHI

DECLARATION

I, AFREEN bearing BCH ID 69 hereby declare that the project entitled "Analysis of Financial Statement of facebook" has been prepared by me towards the partial fulfillment of the requirements for the Bachelor in Commerce program under the guidance of Dr. Sandhya Joshi.

I also declare that this project report is my original work and has not previously formed the basis for the award of any degree, diploma, associate ship or other.

Date:

Place: Dehradun


AFREEN

ACKNOWLEDGEMENT

I would like to thank my supervisor Dr. Sandhya Joshi. For her dedicated support and guidance. Mam continuously provided encouragement and was always willing and enthusiastic to assist in any way she could throughout the research project. Finally, many thanks to all participants that took part in the study and enabled this research to be possible.


AFREEN

ABSTRACT

This case study presents a comprehensive analysis of Facebook's financial performance over a five-year period, focusing on both intra-firm and inter-firm comparisons. By utilizing spreadsheet tools, ratio analysis, industry averages, growth rates, and compound annual growth rate (CAGR), this study evaluates Facebook's financial indicators and benchmarks them against industry peers. Visual representations, including relevant images and charts, enhance the understanding of the analysis. The findings provide valuable insights into Facebook's financial trajectory, aiding investors, stakeholders, and financial analysts in decision-making.

CASE STUDY

Financial statements provide a comprehensive view of a company's financial performance and position. In the case of Facebook, the three main financial statements are the balance sheet, income statement, and cash flow statement. Spreadsheet tools like Microsoft Excel or Google Sheets can be used to organize and analyze the financial data effectively.

1. Balance Sheet: The balance sheet presents a snapshot of Facebook's financial position at a specific point in time. It consists of three main components: assets, liabilities, and shareholders' equity. By analyzing the balance sheet, we can assess Facebook's liquidity and solvency.

2. Income Statement: The income statement, also known as the profit and loss statement, outlines Facebook's revenues, expenses, and profitability over a specific period. Spreadsheet tools can be used to calculate various profitability ratios.

- **Revenues:** Facebook's revenues comprise income generated from advertising, user subscriptions, and other sources. Analyzing revenue growth rates and trends can indicate the company's performance.
- **Expenses:** Facebook's expenses include operating costs, research and development expenses, marketing expenses, and other expenditures. Analyzing the expense-to-revenue ratio can provide insights into cost management.

CONCLUSION

- **Summary of Key Findings from the Financial Statement Analysis:**
- **1. Profitability:** Facebook has maintained a strong gross profit margin and net profit margin over the analyzed period, indicating efficient cost management and revenue generation.
- **2. Liquidity:** The company has maintained a healthy level of liquidity with a favorable current ratio, quick ratio, and cash ratio, ensuring its ability to meet short-term obligations.
- **3. Efficiency:** Facebook exhibits strong efficiency in managing inventory and collecting accounts receivable, as reflected in higher inventory turnover and accounts receivable turnover ratios compared to industry averages.
- **4. Market Performance:** Facebook's market valuation, as indicated by the P/E ratio, suggests that investors are willing to pay a premium for its earnings compared to the industry average. The EPS indicates the company's ability to generate earnings per outstanding share.
- **Significance of the Analysis in Understanding Facebook's Financial Trajectory**
- The financial statement analysis provides valuable insights into Facebook's financial performance and trajectory. The analysis enables stakeholders to evaluate Facebook's financial position relative to industry peers, assess its

competitive advantage, and make informed decisions regarding investment and strategic partnerships.

- Future Outlook for Facebook's Financial Performance based on the Analysis:
- Based on the analysis, Facebook has demonstrated strong financial performance and efficiency in its operations. The company's ability to generate consistent profits, maintain liquidity, and efficiently manage assets suggests a positive outlook for its future financial performance.
- Facebook's future financial performance will depend on its ability to adapt to evolving market trends, innovate its products and services, effectively monetize its user base, and navigate regulatory environments. Continuous focus on enhancing profitability, optimizing efficiency, and sustaining market valuation will be critical for Facebook's long-term financial success.
- Investors and stakeholders should closely monitor Facebook's strategic initiatives, financial disclosures, and industry developments to gauge the company's performance and make informed decisions regarding their investments and engagement with the company.

PROJECT ON

Ratio Analysis of Apple Company

UNDER THE GUIDANCE OF

Dr. SANDHYA JOSHI

SUBMITTED BY

NIKITA RANA

BCH ID – 51

BACHELOR IN COMMERCE

BATCH 2020-2023

TO

DOON UNIVERSITY

DEHRADUN

UTTARAKHAND,

248001

CERTIFICATE

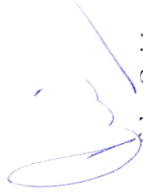
This is to certify that the study presented by NIKITA RANA to the DOON UNIVERSITY in part completion of the three-year full time degree of Bachelor in Commerce under the title of “Ratio Analysis of Apple Company” has been done under my guidance. To the best of my knowledge, this project is in the nature of original work that has not been submitted for any degree of this university or any other University.

Signature of the Candidate



NIKITA RANA

Forwarded through the Research Guide



Signature of the Guide

Dr. SANDHYA JOSHI

DECLARATION

I, NIKITA RANA bearing BCH ID 51 hereby declare that the project entitled "Ratio Analysis of Apple Company" has been prepared by me towards the partial fulfillment of the requirements for the Bachelor in Commerce program under the guidance of Dr. Sandhya Joshi.

I also declare that this project report is my original work and has not previously formed the basis for the award of any degree, diploma, associate ship or other.

Date:



NIKITA RANA

Place: Dehradun

ACKNOWLEDGEMENT

I would like to thank my supervisor Dr. Sandhya Joshi. For her dedicated support and guidance. Mam continuously provided encouragement and was always willing and enthusiastic to assist in any way she could throughout the research project. Finally, many thanks to all participants that took part in the study and enabled this research to be possible.

A handwritten signature in blue ink, appearing to read 'Nikita', with a horizontal line drawn through the middle of the name.

NIKITA RANA

INTRODUCTION

- Apple inc. Is a technology giant that designs, develops, and sells consumer electronics, computer software, and online services.
- The company is renowned for its innovative products, which include the iphone, ipad, macbook, and apple watch. Apple operates in several sectors, including hardware, software, and services.
- Apple is known for its innovative and high-quality products, as well as its sleek and user-friendly designs.
- The company's products have a strong brand identity and are highly sought-after by consumers around the world.
- Apple's success is also due to its ecosystem of services, which includes the app store, apple music, icloud, and other online services that integrate seamlessly with its hardware products.

THE PERIOD OF ANALYSIS FOR THIS CASE STUDY IS FROM 2018 TO 2022.....

➤ INTRA FIRM COMPARISON

- REVENUE GROWTH RATE
- NET INCOME GROWTH RATE
- GROSS MARGIN
- RETURN ON EQUITY (ROE)
- EARNINGS PER SHARE(EPS)

➤ INTER FIRM COMPARISON

- REVENUE GROWTH RATE
- NET INCOME GROWTH RATE
- GROSS MARGIN
- RETURN ON EQUITY(ROE)
- EARNINGS PER SHARE(EPS)

INTRA FIRM COMPARISON

- **Revenue growth rate** : the revenue of apple inc. Has been increasing steadily over the years. In 2018, the company recorded a revenue of \$265.6 billion, which increased to \$365.7 billion in 2022, representing a growth rate of 37.69%.2.
- **Net income growth rate** : apple inc. Recorded a net income of \$59.5 billion in 2018, which increased to \$87.8 billion in 2022, representing a growth rate of 47.49%.3.
- **Gross margin** : the gross margin of apple inc. Has remained relatively stable over the years, with an average of 38.8%.
- **Return on equity (roe)** : the roe of apple inc. Has been consistently high, with an average of 52.4% over the past 5 years.
- **Earnings per share (eps)** : the eps of apple inc. Has been increasing steadily over the years, with an average of \$4.51.

CONCLUSION

In conclusion, Apple Inc. has displayed a strong financial performance over the past 5 years, with consistently high growth rates, profitability ratios, and ROE.

When compared to its competitors, Apple Inc. has outperformed them in terms of revenue growth rate, gross margin, ROE, and EPS. However, Amazon has displayed a significantly higher revenue and net income CAGR over the past 5 years, indicating its strong growth potential.

Overall, the technology industry has seen an industry average growth rate of around 15%, and Apple Inc. and its competitors have displayed CAGRs that are either in line with or above the industry average.

PROJECT ON

Ratio Analysis of Dell Company

UNDER THE GUIDANCE OF

Dr. SANDHYA JOSHI

SUBMITTED BY

SWATI LOHANI

BCH ID – 44

BACHELOR IN COMMERCE

BATCH 2020-2023

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DOON UNIVERSITY

DEHRADUN

UTTARAKHAND,

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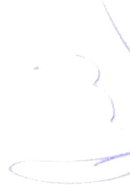
This is to certify that the study presented by Swati Lohani to the DOON UNIVERSITY in part completion of the three-year full time degree of Bachelor in Commerce under the title of "Ratio Analysis of Dell Company" has been done under my guidance. To the best of my knowledge, this project is in the nature of original work that has not been submitted for any degree of this university or any other University.

Signature of the Candidate



Swati Lohani

Forwarded through the Research Guide



Signature of the Guide

Dr. SANDHYA JOSHI

DECLARATION

I, SWATI LOHANI bearing BCH ID 44 hereby declare that the project entitled "Ratio Analysis of Dell Company" has been prepared by me towards the partial fulfillment of the requirements for the Bachelor in Commerce program under the guidance of Dr. Sandhya Joshi.

I also declare that this project report is my original work and has not previously formed the basis for the award of any degree, diploma, associate ship or other.

Date:

Place: Dehradun



SWATI LOHANI

ACKNOWLEDGEMENT

I would like to thank my supervisor Dr. Sandhya Joshi. For her dedicated support and guidance. Mam continuously provided encouragement and was always willing and enthusiastic to assist in any way she could throughout the research project. Finally, many thanks to all participants that took part in the study and enabled this research to be possible.



SWATI LOHANI

Company Perspectives:

Dell was founded in 1984 by Michael Dell, the computer industry's longest-tenured chief executive officer, on a simple concept: that by selling computer systems directly to customers, Dell could best understand their needs and efficiently provide the most effective computing solutions to meet those needs. This direct business model eliminates retailers that add unnecessary time and cost, or can diminish Dell's understanding of customer expectations. The direct model allows the company to build every system to order and offer customers powerful, richly-configured systems at competitive prices. Dell also introduces the latest relevant technology much more quickly than companies with slow-moving, indirect distribution channels, turning over inventory every three days on average.

History of Dell Inc.

Long the world's largest direct-sale computer vendor, Dell Inc. is now also the leading seller of computer systems in the world, capturing a global market share of more than 15 percent. Dell markets desktop personal computers, notebook computers, network servers, workstations, handheld computers, monitors, printers, high-end storage products, and a variety of computer peripherals and software. The firm also has moved into the consumer electronics arena, offering LCD televisions, projectors, and other products. Dell manufactures most of the products it sells, maintaining six production facilities worldwide, located in Austin, Texas; Nashville, Tennessee; Eldorado do Sul, Brazil; Limerick, Ireland; Penang, Malaysia; and Xiamen, China. About two-thirds of revenues are generated in the Americas, with 22 percent originating in Europe, the Middle East, and Africa and with the Asia-Pacific region accounting for the remaining 11 percent. Dell sells its equipment directly to consumers, small to large businesses, government agencies, and healthcare and educational institutions through dedicated sales representatives, telephone-based sales, and online via the company web site. Founder Michael Dell holds 12 percent of the company and will remain chairman of the company after stepping down as CEO in July 2004.

DELL Financial Summary

Dell Technologies Inc. reported earnings results for the fourth quarter ended February 03, 2023. For the fourth quarter, the company reported revenue was USD 25,039 million compared to USD 27,992 million a year ago. Net income was USD 614 million compared to USD 2 million a year ago.

DISSERTATION REPORT
ON
'Analyzing the Popularity of
Short Video Formats Amongst
the Youth'

SUBMITTED TO
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT FOR THE AWARD OF THE
DEGREE OF

5-Years M.A. Integrated
IN
MEDIA AND COMMUNICATION STUDIES
(2020-2023)

SUBMITTED TO:
DR. VANDANA NAUTIYAL

SUBMITTED BY
Nikhilesh Banerji
SCMI - 489

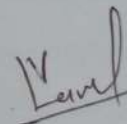


DOON UNIVERSITY
DEHRADUN

CERTIFICATE

This is to certify that the report titled 'ANALYZING THE POPULARITY OF SHORT VIDEO FORMATS AMONGST THE YOUTH' is an independent work of NIKHILESH BANERJI of 5-Years M.A Integrated Programme in Media and Communication Studies (2020-2023). The report has been prepared under my guidance and supervision. This project is original and not submitted previously.

DATE: 14th June, 2023'


14/6/2023
DR. VANDANA NAUTIYAL

PLACE: Dehradun

Chapter 1

Introduction

We now live in a world where using the internet is an integral part of our life whether it is for entertainment or education. The ease of access which it provides in gathering information has made it very popular and especially amongst the young population. With the ever evolving technological advancements, it has only made internet usage more engaging. Media can be easily shared among users on social media platforms like Instagram, Facebook also referred to as web 2.0. This research aims to provide insights into why short video formats are so popular and its influence on the youth. Humans are known to be "social beings." Because of this, the internet has been partially evolving from being a tool that offers information to be a platform where people can socially interact, communicate, and be in touch with each other's lives from any part of the world.

"How are you? What's happening?" were questions traditionally asked over a phone call or when you met but now that has become a target for social media companies to tap into. Social media has enabled people to create an account and share their likes and dislikes over it, share multimedia, create forums for particular niches. What makes social media stand apart from the conventional media is its flexibility of providing both the options of being a consumer and a creator. In traditional media like television and radio a person is only consuming the information but with new media and especially short video formats a person also publishes his own content which makes it a lot more engaging and addictive.

It has been found that screen time before and after Covid-19 shows children's screen-time rose by a whopping 52% between 2020 and 2022 and that the increases were highest for children aged 12

**DISSERTATION REPORT
ON
'IMPACT OF ONLINE
VIDEO GAMES ON
MENTAL HEALTH OF
YOUTH'**

**SUBMITTED TO
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT FOR THE AWARD OF
THE DEGREE OF**

**5-Years M.A.
Integrated IN
MEDIA AND COMMUNICATION STUDIES
(2020-2023)**

SUBMITTED TO:

DR. VANDANA NAUTIYAL

SUBMITTED BY

**VINAYAK TIWARI
SCMI -495**



**DOON UNIVERSITY
DEHRADUN**

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This is to certify that the report titled **“IMPACT OF ONLINE VIDEO GAMES ON YOUTH”** is an independent work of **VINAYAK TIWARI** of 5-Years M.A Integrated Programme in Media and Communication Studies (2020-2023). The report has been prepared under my guidance and supervision. This project is original and not submitted previously.

DATE: 14th June, 2023


DR. VANDANA NAUTIYAL

PLACE: Dehradun

Chapter 1

Introduction

Gaming in general becomes a prominent source of entertainment and a new recreational activity in the digital world. The video games industry is one of the biggest entertainment industries around the world. In the modern age everyone is somehow engaged with the gaming domain whether it is a teenager or an adult everybody loves to enjoy the virtual world where they can control their character and do whatever they can't do in the real world. Video games make it possible to integrate a parallel world with the real world where the players have endless possibilities to do whatever they like whenever they like.



Fig 1.1 Illustration of a joystick (source: google image)

DISSERTATION REPORT
ON
'INFLUENCE OF FOOD BLOGGING IN THE
FOOD INDUSTRY IN DEHRADUN'

SUBMITTED TO DOON UNIVERSITY, DEHRADUN IN PARTIAL
FULLFILLMENT FOR THE AWARD OF THE DEGREE OF

5-Years M.A. Integrated
IN
MEDIA AND COMMUNICATION STUDIES
(2020-2023)

SUBMITTED TO:
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DOON UNIVERSITY
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DATE: 14th JUNE 2023


DR. VANDANA NAUTIYAL

PLACE: Dehradun

Chapter 1

Introduction

Food blogging is a feature of food journalism interlinking a gourmet interest in food, blog writing, and food photography. Food blogs are generally written by food enthusiasts often referred to as a "foodies" and can be used commercially by the blogger to earn a profit. In the world of food, bloggers and influencers have taken on a new role. With the rise of social media, food bloggers and influencers have become some of the most powerful voices in the industry. From creating recipes to promoting products, they are helping to shape the way we think about food and how it's produced. In this article, we'll explore how food creators and influencers impact the food industry. Food blogging is a notable feature of Food journalism, interlinking a gourmet interest in cooking with that of Blog writing and Food photography. A majority of blogs use pictures taken by the blogger himself/herself and some of them focus specifically on Food Styling and photography. These blogs can be used commercially by the blogger for earning profit. They may either be personal or entirely public-oriented. Food blogging includes writing and uploading traditional and contemporary recipes, as well as reviewing food at different restaurants. Certain aesthetic aspects such as Food styling are also applicable in this area of writing. Some blogging websites used for Food blogging are word press, Blogger, Tumbler and Medium etc. Bloggers select unique domain names, create and publish food related content, engage in SEO (Search Engine Optimization) and promote their blog posts on social media platforms. A core activity in food blogging is the creation of an Information source which is

**DISSERTATION REPORT ON
'THE EFFECT OF COVID HYGIENE
CONCEPT ON THE NEWSPAPER
INDUSTRY'**

**SUBMITTED TO
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT FOR THE AWARD OF THE DEGREE
OF**

**5-Years M.A. Integrated IN
MEDIA AND COMMUNICATION STUDIES
(2020-2023)**

SUBMITTED TO:

DR. VANDANA NAUTIYAL

SUBMITTED BY

YOGITA BHATT

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**DOON UNIVERSITY
DEHRADUN**

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This is to certify that the report titled 'THE EFFECT OF COVID HYGIENE CONCEPT ON THE NEWSPAPER INDUSTRY' is an independent work of YOGITA BHATT of 5-Years M.A Integrated Programme in Media and Communication Studies (2020-2023). The report has been prepared under my guidance and supervision. This project is original and not submitted previously.

DATE:

14/6/23

PLACE: Dehradun


14/6/23

DR. VANDANA NAUTIYAL

CHAPTER- 1

INTRODUCTION

A newspaper is a periodic publication that often has a white or gray backdrop and is typed in black ink. It contains written information about current occurrences. Newspapers frequently provide content like opinion pieces and can cover a wide range of topics, including business, sports, politics, and the arts. columns, weather reports, evaluations of neighborhood services, obituaries, birth announcements, crossword puzzles, editorial cartoons, and advice columns.

The majority of newspapers operate as companies, and they use a combination of subscription, newsstand, and advertising revenue to cover costs. Newspapers are a common metonym for the journalism companies that publish newspapers.

Newspapers have traditionally been printed (often on inexpensive, subpar paper known as newsprint).

The paper has traditionally been sold or distributed through newsstands, stores, and libraries, and since the 1990s, online newspaper websites have made its contents relatively accessible to the general public online. While online newspapers

Those with Internet connection now have more access to newspapers, but others without it—such as those who are homeless, poor, or live in isolated or rural areas—might not be able to use a computer or the Internet, and therefore won't be able to read online news.

DISSERTATION REPORT

ON

‘IMPACT OF MEDIA AWAKENING ON THE STATUS OF LGBTQIA+ COMMUNITY’

**SUBMITTED TO
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT FOR THE AWARD OF THE
DEGREE OF**

**5-Years M.A. Integrated
IN
MEDIA AND COMMUNICATION STUDIES**

(2020-2023)

SUBMITTED TO:

DR. VANDANA NAUTIYAL

SUBMITTED BY:

NIVEDITA DANGWAL

SCMI- 476




**DOON UNIVERSITY
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CERTIFICATE

This is to certify that the report titled '**IMPACT OF MEDIA AWAKENING ON THE STATUS OF LGBTQIA+ COMMUNITY**' is an independent work of **NIVEDITA DANGWAL** of 5-Years M.A Integrated Programme in Media and Communication Studies (2020-2023). The report has been prepared under my guidance and supervision. This project is original and not submitted previously.

DATE: 14. 06. 2023

PLACE: Dehradun


14/06/2023

DR. VANDANA NAUTIYAL

CHAPTER 1

INTRODUCTION

Homosexuality is a central aspect of the LGBTQIA+ spectrum, refers to the romantic or sexual attraction between individuals of the same gender. It reflects the enormous range of sexual orientations that exist outside of the heteronormative paradigm and is a fundamental and natural part of human diversity. To better understand the context of this research, it is essential to define the terms associated with the LGBTQIA+ spectrum.

Lesbian- A woman whose enduring physical, romantic, and/or emotional attraction is to other women. Some lesbians may prefer to identify as gay or as gay women,

Gay - It is still sometimes used as an umbrella term, but these days, it also refers specifically to men, as in “gay men and lesbians,”

Bi-sexual- A person who can form enduring physical, romantic, and/or emotional attractions to those of the same gender or more than one gender. People may experience this attraction in differing ways and degrees over their lifetime. Bisexual people need not have had specific sexual experiences to be bisexual; they need not have had any sexual experience at all to identify as bisexual,

IMPACT OF SOCIAL MEDIA ON MENTAL AND PHYSICAL HEALTH OF YOUNG ADULTHOOD

DISSERTATION

**SUBMITTED TO
SCHOOL OF MEDIA AND COMMUNICATION STUDIES
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF**

MASTERS IN MEDIA AND COMMUNICATION STUDIES

BY

**ARKAPRABHA KUNDU
SCM 240**



**SCHOOL OF MEDIA AND COMMUNICATION STUDIES
DOON UNIVERSITY, DEHRADUN
UTTARAKHAND (INDIA)**

2023

*1. Verified
2. Date 12/6/23*

Declaration

I declare that the work presented in the Dissertation entitled **"IMPACT OF SOCIAL MEDIA ON MENTAL AND PHYSICAL HEALTH OF YOUNG ADULTHOOD"** being submitted to the School of Media and Communication Studies, Doon University, Dehradun for the award of Masters in Media and Communication Studies is my original research work. The Dissertation embodies the results of investigations, observations, and experiments carried out by me. I have neither plagiarized any part of the dissertation nor have submitted same work for the award of any other degree/diploma anywhere.

Arkaprabha Kundu

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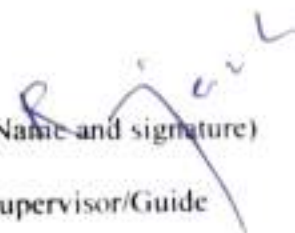
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University ID No. SCM- 240

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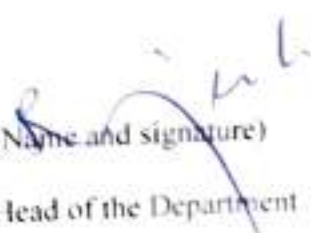
Certificate

This is to certify that the Dissertation entitled **"IMPACT OF SOCIAL MEDIA ON MENTAL AND PHYSICAL HEALTH OF YOUNG ADULthood"** Submitted by **ARKAPRABHA KUNDU** has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



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Supervisor/Guide



(Name and signature)

Head of the Department

CHAPTER I

INTRODUCTION

In the 21st century, social media has emerged as a dominant force, revolutionizing the way people communicate, share information, and interact with one another. What began as a simple platform for connecting individuals has evolved into a complex network of digital spaces that shape our personal lives, influence public opinion, and redefine the dynamics of societies worldwide. From the rapid spread of information to the amplification of voices, Social media has grown into an essential part of people's daily lives, making a profound impact on various aspects of society, including politics, business, education, and culture.

This scholarly investigation delves into the multifaceted nature of social media, exploring its origins, its impact on individuals and communities, and its role in shaping the modern world. By examining the historical roots of social media and tracing its evolution, we gain a comprehensive understanding of its significance in our lives today. Furthermore, this analysis explores the benefits and challenges posed by social media, shedding light on the ways it has transformed social interactions, communication patterns, and the dissemination of information.

The Birth of Social Media

To comprehend the recent significance of social media, it is crucial to delve into its origins. The foundations of social media can be traced back to the early days of the internet when online platforms like CompuServe and AOL connected users through chat rooms and bulletin boards. However, the true catalyst for the social media revolution came in the form of

**ROLE OF ELECTRONIC MEDIA IN UPLIFTING THE SELF-
HELP GROUPS IN DEHRADUN**

DISSERTATION

SUBMITTED TO

SCHOOL OF MEDIA AND COMMUNICATION STUDIES
DOON UNIVERSITY, DEHRADUN

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF
MASTERS IN MEDIA AND COMMUNICATION STUDIES

BY

RITIKA CHANDOLA
SCMI-355



**SCHOOL OF MEDIA AND COMMUNICATION STUDIES
DOON UNIVERSITY, DEHRADUN
UTTARAKHAND (INDIA)**

2023

Evaluated
[Signature]
17/6/23

DECLARATION

I declare that the work presented in the dissertation entitled "**ROLE OF ELECTRONIC MEDIA IN UPLIFTING THE SELF-HELP GROUPS IN DEHRADUN**" has been submitted to the Department of media and communication studies, Doon University, Dehradun for the award of masters in Mass Communication is my original research work. The Dissertation embodies the result of investigations, observations, and experiments carried out by me. I have neither plagiarised any part of the dissertation nor have submitted the same work for the award of any other degree/diploma anywhere.

Signature: Ritika

Name of Student: RITIKA CHANDOLA

University ID No: SCMI -355

Date: 17 June 2023

Certificate

This is to certify that the dissertation entitled "**ROLE OF ELECTRONIC MEDIA IN UPLIFTING THE SELF-HELP GROUPS IN DEHRADUN**" submitted by **RITIKA CHANDOLA** has been done under my supervision. It is also certified that the work in this dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



(Name and signature)

Supervisor/Guide



(Name and signature)

Head of the Department

CHAPTER: 01

INTRODUCTION

The study includes the status of the self-help groups in Dehradun and how they use social media platforms for self-growth.

The self-help groups are independent, promote local businesses, and empower people from rural regions.

Dehradun, the capital city of Uttarakhand state in India, is a diverse and rapidly developing urban centre. It is home to various socio-economic groups, including marginalised communities, women, and rural migrants. In recent years, SHGs have emerged as a popular means of addressing the challenges faced by these vulnerable populations in Dehradun. The implementation of SHGs in Dehradun is influenced by several factors (Ansari, 2017).

Firstly, Uttarakhand is a hilly state with a predominantly agrarian economy, where many communities face socio-economic hardships and limited access to resources.

Secondly, government policies and development programs have recognized the potential of SHGs in promoting inclusive growth and empowering marginalised sections of society. These policies have facilitated the formation and support of SHGs in Dehradun.

The self-help groups in India have emerged as the most successful network of community-based organisations. Dehradun is rich in climatic conditions and to produce healthy crops, lentils and rice. The market in Dehradun has grown extensively in different sectors (Nicholas, 2021).

Self-help groups (SHGs) have gained significant attention as a development approach worldwide, particularly in developing countries. These groups bring together individuals who face common social, economic, or cultural challenges and aim to empower them through collective efforts and mutual support. Basically, rural people,

**COVERAGE OF WOMEN'S ISSUES AND CONCERNS
IN NATIONAL DAILIES
AN ANALYSIS**

DISSERTATION

SUBMITTED TO
SCHOOL OF MEDIA AND COMMUNICATION STUDIES
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF

MASTERS IN MEDIA AND COMMUNICATION STUDIES

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2023

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17/6/23

Declaration

I declare that the work presented in the Dissertation entitled "**COVERAGE OF WOMEN'S ISSUES AND CONCERN IN NATIONAL DALIES: AN ANALYSIS**" being submitted to the School of Media and Communication Studies, Doon University, Dehradun for the award of Masters in Media and Communication Studies is my original research work. The Dissertation embodies the results of my investigations, observations, and experiments carried out by me. I have neither plagiarized any part of the dissertation nor submitted the same work for the award of any other degree/diploma anywhere.



(Signature)

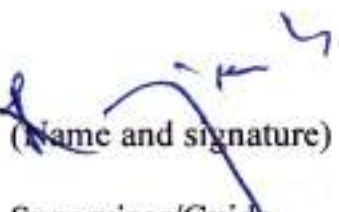
Name of Student: Prashant Bisht

University ID No. SCM-250

Date: 17-06-23


Certificate

This is to certify that the Dissertation entitled **“COVERAGE OF WOMEN’S ISSUES AND CONCERNS IN NATIONAL DALIES: AN ANALYSIS”** Submitted by **PRASHANT BISHT** has been done under my supervision. It is also certified that the work in this Dissertation embodies the original research and hard work of the candidate. The assistance and support received during the course the of investigation and all the sources of literature have been fully acknowledged.



(Name and signature)

Supervisor/Guide



(Name and signature)

Head of the Department

CHAPTER 1

INTRODUCTION

1.1 OVERVIEW

Communication is a necessity for human survival and any medium that fulfils this fundamental need, hold great significance in human life. Moreover, mass media, in particular, have initiated change by disseminating information, raising awareness, and educating as well. While transmitting a message it becomes extremely important to know the effects it had on the audience, and what influence it made.

The mass media act as an effective tool for disseminating information to the masses (McLeod et al., 1999) as well as among various other mediums, print media has been meeting the informational requirements of a large portion of the population. Print is one of the major sources of information and being the oldest and fundamental form of mass communication, encompasses newspapers, weekly publications, magazines, monthly releases, and other types of printed journals.

The good newspaper and the good reader are involved in the serious business of trying to understand the man and the universe in which he lives" (Bradley 1968). The newspaper not only imparts information but also aids in the interpretation, and understanding the importance of events, helps create perception, and even offers entertainment. Many still prefer it as it still continued to have greater reach and access yet is inexpensive comparably than any other medium. Its audience is far greater than many other forms. Since newspaper targets attract audiences of very different types and all age groups, but mainly literate.

**COVERAGE OF MENSTRUAL HEALTH AND HYGIENE
RELATED ISSUES: A CONTENT ANALYSIS OF POPULAR
INDIAN NEWSPAPERS**

DISSERTATION

SUBMITTED TO
SCHOOL OF MEDIA AND COMMUNICATION STUDIES
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF

MASTERS IN MEDIA AND COMMUNICATION STUDIES

BY

**SHIVANI KHATRI
SCMI-381**



**SCHOOL OF MEDIA AND COMMUNICATION STUDIES
DOON UNIVERSITY, DEHRADUN
UTTARAKHAND (INDIA)**

2023

Evaluated
J. Desai
17/6/23

Declaration

I declare that the work presented in the Dissertation entitled **"COVERAGE OF MENSTRUAL HEALTH AND HYGIENE RELATED ISSUES: A CONTENT ANALYSIS OF POPULAR INDIAN NEWSPAPERS"** being submitted to the School of Media and Communication Studies, Doon University, Dehradun for the award of Masters in Media and Communication Studies is my original research work. The Dissertation embodies the results of investigations, observations, and experiments carried out by me. I have neither plagiarized any part of the dissertation nor have submitted same work for the award of any other degree/diploma anywhere.



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Name of Student : Shivani khatri


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This is to certify that the Dissertation entitled "**COVERAGE OF MENSTRUAL HEALTH AND HYGIENE RELATED ISSUES: A CONTENT ANALYSIS OF POPULAR INDIAN NEWSPAPERS**" Submitted by **SHIVANI KHATRI** has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.


(Name and signature)
Supervisor/Guide


(Name and signature)
Head of the Department

CHAPTER - 1

INTRODUCTION

1.1 OVERVIEW

Mass communication is the act of conveying a message to a large group of people using various forms of media such as television, radio, newspapers, and the internet. The purpose is to inform and educate the public about important topics, including matters related to personal hygiene. By reaching a wide audience, mass media has the power to influence public opinion and behaviour, encouraging people to adopt positive practices and attitudes towards personal hygiene. Print media, such as newspapers and magazines, plays a vital role in the dissemination of information and is considered a powerful medium for public communication. It serves as a platform for sharing news and events, but it also influences public opinion and highlights the most significant societal concerns. Media has a significant impact on shaping people's thoughts and determining the primary issues they face. It is crucial for the media to cover topics that are relevant to women, as they are a vulnerable segment of society. Many women and girls lack knowledge about managing their menstrual hygiene effectively during their menstrual periods. Therefore, media outlets should address this important issue and raise awareness among women about menstrual hygiene practices (Islam & Rodrick, 2018).

Media assumes an ever-greater role in spreading sensitization about menstrual hygiene issues, in the world, in general, and India in particular. Educating girls about menstrual hygiene and personal care can solve the issues related to disease occurring among adolescent girls.

Adolescence is a unique stage in life that demands special attention, as it signifies the beginning of menstruation, a significant milestone for individuals assigned female at birth. During this period, it is essential to prioritize good hygiene practices in order to ensure a healthy life. Menstrual hygiene plays a crucial role in maintaining overall well-being during menstruation, and it is especially important for young girls as they navigate this new experience. By practicing

A STUDY TO ANALYSE THE POTRAYAL OF WOMEN AND THE GLORIFICATION OF THEIR UNPAID DOMESTIC CHORES IN INDIAN ADVERTISEMENTS

A CONTENT ANALYSIS OF POPULAR INDIAN ADVERTISEMENTS

DISSERTATION

SUBMITTED TO
SCHOOL OF MEDIA AND COMMUNICATION STUDY, DOON
UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF

MASTERS IN MEDIA AND COMMUNICATION STUDIES

BY

MANSI RAWAT (SCM-238)



SCHOOL OF MEDIA AND COMMUNICATION STUDIES
DOON UNIVERSITY, DEHRADUN
UTTARAKHAND (INDIA)

2023

Evaluated
Prashil
17/6/23

Declaration

I declare that the work presented in the Dissertation entitled **"A study to analyse the portrayal of women and the glorification of their unpaid domestic chores in Indian advertisements"** being submitted to the School of Media and Communication Studies, Doon University, Dehradun for the award of Masters in Media and Communication Studies is my original research work. The Dissertation embodies the results of investigations, observations, and experiments carried out by me. I have neither plagiarized any part of the dissertation nor have submitted same work for the award of any other degree/diploma anywhere.

Mansi
:

(Signature)

Name of Student: Mansi Rawat

University ID No. SCM- 238

Date: 17, Saturday / Jun / 2023 .

Certificate

This is to certify that the Dissertation entitled **"A STUDY TO ANALYSE THE PORTRAYAL OF WOMEN AND THE GLORIFICATION OF THEIR UNPAID DOMESTIC CHORES IN INDIAN ADVERTISEMENTS": A CONTENT ANALYSIS OF POPULAR INDIAN ADVERTISEMENTS"** Submitted by **MANSI RAWAT** has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.

Karuna Sharma

DR. KARUNA SHARMA

(Name and signature)

Supervisor/Guide

[Signature]

(Name and signature)

Head of the Department

CHAPTER 1

INTRODUCTION

1.1 OVERVIEW

In traditional Indian society, there is a cultural perception that domestic work is the primary responsibility of women. Women are often seen as the most suitable individuals to perform daily household chores, even if they are not in a position of authority to make decisions for the family from a very young age. Indian women are taught to prioritize their families and domestic chores over their career choices and advertisements have been seen to give impetus to this ideology (Madhusmita Das, 2011), the portrayal of women in Indian media especially in advertisements has been an important topic of research and public debate for a substantial time.

Advertising is basically the art of persuading the audience to buy something that they had never intended to buy and this persuasion depends upon brand to brand and advertising companies. In today's era, where the pursuit of gender equality and respect is of major concern, it is disheartening to observe how some advertisements regress to an outdated depiction of women. Rather than being portrayed as empowered individuals, women are often objectified and reduced to mere objects of desire. This approach is used by advertisers as a means to attract attention and generate mass appeal. Unfortunately, it reinforces the notion that a product's success can be guaranteed by associating it with women who are portrayed as irresistibly drawn to it.

Advertisements play a significant role in shaping the way we see society. Advertisements often present an idealized version of society, one that is based on what the advertisers believe will sell their product or service which in return contributes to the consumers' formation of social identity, frequently, influencing both their current attitudes and what they should be

Heart Disease Prediction Using Machine Learning
A THESIS

Submitted in the fulfilment of the requirement for the award of the degree of

MASTER OF SCIENCE
in
COMPUTER SCIENCE

By

HARSHIT BISHT

Under the supervision of

DR. NARENDER KUMAR

Associate Professor

Department of Computer Science

Doon University, Dehradun



DEPARTMENT OF COMPUTER SCIENCE
UNIVERSITY, DEHRADUN, UTTARAKHAND, INDIA

JUNE, 2023



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DOON UNIVERSITY

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

CERTIFICATE

This is to certify that the M.Sc. Thesis entitled **“HEART DISEASE PREDICTION USING MACHINE LEARNING”** submitted by **Mr. Harshit Bisht** has been done under my supervision. It is also certified that the work in this thesis embodied original research and the hard work of the candidate.

This assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.

Dr. Narender Kumar
(Supervisor)
Associate Professor
School of Physical Science
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Incharge Head
Department of Computer Science
SOPS, Doon University

CHAPTER 1: INTRODUCTION

According to current data from the World Health Organisation (WHO), 17.9 million people die annually from heart-related illnesses, which is an alarmingly high amount. Due to variables including the expanding global population and the frequency of heart illnesses, this number keeps rising. Healthcare professionals now have a substantial difficulty in correctly diagnosing and promptly treating patients with these diseases. However, recent technological developments have sped up development in the field of public health, particularly in the creation of sophisticated biomedical equipment and diagnostic techniques.

The heart, often referred to as the "machine room" of our body, is a vital organ responsible for continuously pumping and circulating blood throughout our system. It ensures that oxygen and nutrients reach all cells while eliminating metabolic waste products. The heart works tirelessly day and night, acting as the core processing centre of the cardiovascular system. This intricate network of blood vessels, capillaries, and veins is responsible for maintaining proper blood circulation throughout the body. Maintaining the health and fitness of our hearts is crucial, as it directly impacts our overall well-being, physical fitness, and disease prevention.

One of the main effects of a damaged heart is heart disease, which includes illnesses like heart attacks, chest discomfort, excessive cholesterol, and high blood pressure. Insufficient blood flow to the body can cause heart failure, which will ultimately result in death. Due to the many factors and complexities involved in how the heart works and how it affects other organs, accurately predicting and diagnosing heart disease is a challenging undertaking. Innovative medical technology, however, have the potential to prevent millions of deaths by allowing for the early identification and prediction of heart disorders.

Heart disease and other illnesses that affect the heart and blood vessels collectively go under the umbrella term of cardiovascular disease (CVD). This includes various types of heart conditions, arterial hypertension, brain vascular conditions, and diseases affecting blood vessels. CVDs can be classified into two categories: chronic cardiovascular conditions and acute cardiovascular conditions. One of the primary obstacles in accurately predicting and diagnosing heart disease is the reliance on patient records and data to forecast potential issues in new cases. However, the development of heart disease prediction technologies has significantly assisted healthcare professionals in detecting heart illnesses at

Student Placement Prediction Using Machine Learning

A Thesis

Submitted in the fulfilment of the requirement for the award of the degree of

M.Sc. in Computer Science

By

ANKUR PANTHRI

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Doon University, Dehradun



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JUNE 2023



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This is to certify that the M.Sc. Thesis entitled "**STUDENT PLACEMENT PREDICTION USING MACHINE LEARNING**" submitted by **Mr. Ankur Panthri** has been done under my supervision. It is also certified that the work in this thesis embodied original research and the hard work of the candidate.

This assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.

Dr. Narender Kumar

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Associate Professor

School of Physical Science

Doon University, Dehradun

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CHAPTER 1: INTRODUCTION

Scholar placement is among the major operations in academic institutions. Admission and the name of the establishment are mostly determined by placements. As a result, all colleges aim to strengthen their placement departments. The primary goal of this study is to assess the previous year's student history data and forecast current student placement possibilities, hence assisting institutions in increasing their placement %. This thesis proposes a recommendation system that predicts if the current student will be placed; if the student is placed, the business is also predicted using data from previously placed students.

In today's world of unemployment, placement plays a vital role. Likewise, the ranking and Institutes are evaluated based on the average package and the number of placements they provide.

Therefore the major goal of this model's purpose is to predict whether or not a student will be placed. Logistic Regression, SVM, ANN, KNN, Random Forest, XGBoost, and Naive Bayes were among the classifiers used. All academics of students are taken into account for this. Since placements take place in the final year of academics; semesters from the previous year are not evaluated.

Every year, 1.5 million engineers graduate in India, according to data. The need for qualified graduates in the IT industry is growing by the day. However, the majority of students are unaware of the requirements of the IT business. The amount of student graduates who meet a company's quality and criteria is extremely low. Placements are among the most challenging obstacles that a student will face throughout their life. Universities should give their students the finest possible placement chances. Furthermore, an institute's placement cell and professors should be involved.

Higher Education (HE) is critical to any nation's economic progress. This benefits the country by providing a dependable and competent workforce to society. The key difficulty for every student in most institutions is employability; anticipating students' employability before job application might boost institutional placement proportion. Identifying flaws before an interview with any firm can help students improve areas where they were recognised as needing improvement. The goal of this study is to create and test a machine learning system strategy for forecasting student employability. To achieve the stated goal, this paper will discuss the preliminary step, which includes pre-processing techniques before applying learning algorithms.

Student placement prediction using machine learning models is the process of building an algorithm that can forecast whether a pupil will be placed in a job or not based on their academic and personal information. The goal is to use historical data of students who were placed in jobs and those who were not, to create a model that reliably predicts the likelihood of placement for incoming students.

Data pre-processing, feature engineering, model selection, and assessment are all phases of the process. First, the data is collected and pre-processed to remove any irrelevant or missing information. Then, the data is analysed to extract meaningful features that can be used to predict

WEATHER PREDICTION USING MACHINE LEARNING

A Thesis

Submitted in the fulfillment of the requirement for the award of the degree of

M.Sc. in Computer Science

By

Vaibhav Sharma

Under the supervision of

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Associate Professor

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DEPARTMENT OF COMPUTER SCIENCE

DOON UNIVERSITY, DEHRADUN, UTTARAKHAND, INDIA

JUNE, 2023



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CERTIFICATE

This is to certify that the M.Sc. Thesis entitled "**Weather Prediction using Machine Learning**" submitted by **Vaibhav Sharma** has been done under my supervision. It is also certified that the work in this thesis embodied original research and the hard work of the candidate.

This assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.

Dr. Narender Rawal
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Chapter 1: Introduction

Weather prediction plays a crucial role in numerous aspects of our daily lives, ranging from agriculture and transportation to disaster management and climate studies. Accurate and timely weather forecasts enable us to make informed decisions and mitigate potential risks associated with weather-related events. However, due to the inherent complexity and dynamic nature of the Earth's atmosphere, weather prediction remains a challenging task.

Traditional weather forecasting models rely on physical equations and numerical simulations to approximate atmospheric behavior. While these models have demonstrated significant advancements over the years, they still face inherent limitations, such as computational intensity, modeling uncertainties, and difficulties in capturing intricate atmospheric processes. To overcome these challenges and enhance the accuracy and efficiency of weather prediction, alternative approaches are being explored.

Machine learning (ML), a subfield of artificial intelligence, has emerged as a promising tool for improving weather prediction capabilities. ML techniques leverage algorithms that automatically learn from and make predictions or decisions based on patterns and relationships found in data. By analyzing vast amounts of historical weather data and recognizing intricate patterns, ML models can potentially uncover hidden correlations and provide valuable insights into weather forecasting.

This research aims to investigate the application of machine learning techniques to weather prediction, with the objective of enhancing prediction accuracy and efficiency. By harnessing the power of ML algorithms, we aim to develop a robust and reliable weather forecasting model that can provide more accurate predictions and valuable insights into meteorological phenomena.

This thesis will address key aspects of weather prediction using machine learning, including data collection and preprocessing, feature selection, model training and evaluation, and result analysis. By leveraging existing meteorological data sources and employing state-of-the-art machine learning algorithms, we intend to explore novel approaches to predict various weather phenomena, such as temperature, precipitation, wind patterns, and severe weather events.

The outcomes of this research have the potential to significantly improve weather forecasting capabilities, benefiting numerous sectors and applications that rely on accurate and timely weather information. Furthermore, the insights gained from this study may also contribute to the broader field of machine learning and its application to other scientific domains.

In conclusion, this thesis endeavors to explore the potential of machine learning techniques in weather prediction to address the existing challenges and improve the accuracy and efficiency of

Deep Learning-Based Image Classification Using Convolutional Neural Networks: A Comparative Study

A Thesis

Submitted in the fulfillment of the requirement for the award of the degree of

M.Sc. in Computer Science

By

ANKIT BADONI

Under the supervision of

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JUNE 2023



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CERTIFICATE

This is to certify that the M.Sc. Thesis entitled “**Deep Learning-Based Image Classification Using Convolutional Neural Networks: A Comparative Study**” submitted by **Mr. Ankit Badoni** has been done under my supervision. It is also certified that the work in this thesis embodied original research and the hard work of the candidate.

This assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.


Dr. Narender Kumar
(Supervisor)

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Chapter 1: Introduction

The field of computer vision has undergone significant advancements in recent years, with deep learning techniques emerging as a dominant methodology for image classification tasks. Convolutional Neural Networks (CNNs) have been particularly successful in solving complex image classification problems, surpassing the performance of traditional computer vision techniques. CNNs have the ability to automatically learn relevant features from raw image data, allowing them to achieve superior performance in image classification tasks.

Image classification is a widely researched field in computer science, which aims to categorize images into different predefined classes based on their visual features. Convolutional Neural Networks (CNNs) have emerged as one of the most successful deep learning techniques for image classification due to their ability to extract high-level features automatically from images. In recent years, CNNs have been widely used in various applications such as object detection, facial recognition, and medical imaging.

Over the years, there have been many efforts to develop efficient and effective methods for image classification. Traditional computer vision techniques typically rely on handcrafted features, such as SIFT and HOG, which are designed to capture relevant information from images. However, these methods have limitations, particularly when dealing with large datasets such as ImageNet. Additionally, they often require expert knowledge and domain-specific expertise to design and optimize the feature extraction process.

Image classification is a crucial task in the field of computer vision, with numerous applications ranging from self-driving cars to medical imaging. It involves the use of algorithms to automatically assign a label to an image based on its visual content. For example, an image classification algorithm may be trained to identify objects such as dogs, cats, or automobiles in an image. With the proliferation of digital cameras and the increasing amount of visual data being generated, there is a growing need for efficient and accurate image classification methods.

In recent years, the field of computer vision has witnessed a significant growth thanks to the development of deep learning algorithms. Deep learning has revolutionized computer vision by enabling the creation of complex models that can learn from data and make accurate predictions. One of the most significant applications of computer vision is image classification, which involves categorizing images into different classes based on their content. This ability to classify images has numerous applications, including medical imaging, surveillance, and autonomous vehicles.

Real Estate Price Prediction

A Thesis

Submitted in the fulfillment of the requirement for the award of the degree of

M.Sc. in Computer Science

By

PRAVEEN BISHT

Under the supervision of

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JUNE 2023



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CERTIFICATE

This is to certify that the M.Sc. Thesis entitled "**Real Estate Price Prediction**" submitted by **Mr. Praveen Bisht** has been done under my supervision. It is also certified that the work in this thesis embodied original research and the hard work of the candidate.

This assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.


Dr. Narender Kumar

(Supervisor)

Associate Professor

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SOPS, Doon University

Chapter1 : Introduction

The real estate market is a critical sector of the global economy, serving as a key driver of economic growth and stability. The ability to accurately predict real estate prices has significant implications for individuals, businesses, policymakers, and investors. By forecasting property prices, stakeholders can make informed decisions regarding buying, selling, investing, and developing real estate assets. Furthermore, policymakers rely on accurate price predictions to devise effective strategies, allocate resources, and promote sustainable urban development.

This dissertation aims to delve into the field of real estate price prediction and develop a comprehensive model that integrates advanced statistical techniques and machine learning algorithms. By analyzing historical sales data, property features, location attributes, and market indicators, this research endeavors to provide accurate and reliable forecasts of real estate prices. The findings of this study have the potential to empower buyers, sellers, investors, and policymakers with valuable insights, enabling them to navigate the complex real estate market with confidence.

Significance of Real Estate Price Prediction

Accurate real estate price prediction offers numerous benefits to a wide range of stakeholders involved in the real estate industry. For prospective buyers, reliable price forecasts assist in determining fair property valuations, enabling them to make informed decisions and negotiate favorable terms. Sellers, on the other hand, benefit from accurate estimations of property values, allowing them to set competitive listing prices and maximize their returns. Real estate investors can leverage price prediction models to identify profitable investment opportunities, optimize their portfolios, and mitigate risks associated with market volatility.

Financial institutions and lenders heavily rely on accurate property valuations to assess collateral values for mortgage and loan purposes. By integrating real estate price prediction models into their risk assessment processes, lenders can make more informed lending decisions, thereby minimizing the chances of default and optimizing their loan portfolios.

Furthermore, accurate real estate price prediction has profound implications for governments and urban planners. By anticipating market trends and forecasting future property prices, policymakers can make informed decisions regarding land use planning, infrastructure development, and zoning regulations. This enables them to promote sustainable urban growth, optimize resource allocation, and foster economic development within their jurisdictions.



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Mothrowala Road Kedarpur, P.O. Defence Colony,
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Date: 14/11/2022

Certificate of Appreciation

It is certified that **Dr. Preeti Mishra**, Assistant Professor at **Department of Computer Science**, School of Physical Sciences, **Doon University**, Dehradun, organized one week student development program (SDP) as **coordinator** in Doon University. The details are given below.

S. No.	Title	Venue	Expert	Date/session /hour
1.	Cyber Security-Awareness and Ethical Hacking	Organized in Doon University for the CS students (Online mode)	Mr. Rahul Gupta- E&ICT Academy IIT Kanpur	(7 Nov.2022- 13 Nov, 2022) , (2021-22) (14 hour)

We greatly appreciate your time and effort in organizing the SDP and collaborating with E & ICT Academy, IIT Kanpur for knowledge dissemination. The SDP was very useful to the computer science students of Doon University.

Total 64 students participated
in the SDP.

(Signature)

(Signature)
(Dr. Narender Rawal)

Head/In-Charge
Incharge Head
Department of Computer Science
SOPS, Doon University



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DOON UNIVERSITY

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Dehradun-248001 (Uttarakhand) INDIA.

Date: 05/01/2022

Certificate of Appreciation

It is certified that **Dr. Preeti Mishra**, Assistant Professor at Department of Computer Science, School of Physical Sciences, Doon University Dehradun, organized an expert lecture as coordinator in Doon University. The details are given below.

S. No.	Title	Venue	Expert	Date/session /hour
1.	Competitive Coding: Skill for Tomorrow	Organized in Doon University for the CS students (online mode)	Mr. Jeetendra Singh and Mr. Rajeev Gupta- RCPL India	(Jan 4, 2022) (2021-22) (04 hour)

We greatly appreciate your time and effort in organizing the expert lecture and collaborating with industry for knowledge dissemination. The lecture was very useful to the computer science students of Doon University.

Total 44 students participated in the Expert session.

(Dr. Narender Rawal)

Head/In-Charge

Department of Computer Science
SOPS, Doon University



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DOON UNIVERSITY

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Date: 12/11/2022

Certificate of Appreciation

It is certified that **Dr. Preeti Mishra**, Assistant Professor at **Department of Computer Science**, School of Physical Sciences, **Doon University**, Dehradun, organized a seminar as **coordinator** in Doon University. The details are given below.

S. No.	Title	Venue	Expert	Date/session /hour
1.	Biodiversity Informatics and Its Application with computer Science	Organized in Doon University for the CS students (Physical mode)	Mr. Neelesh Yadav (Scientist-E, Head of IT and GIS division, FRI)- Forest research Institute	(Nov 11, 2022) (2021-22) (4 hour)

We greatly appreciate your time and effort in organizing the seminar and collaborating with forest research institute (FRI) Dehradun for knowledge dissemination. The seminar was very useful to science students of Doon University.

Total 60 students participated in the seminar.

(Dr. Narender Rawal)

Head/In-Charge

Incharge Head
Department of Computer Science
SOPS, Doon University



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DOON UNIVERSITY

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

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

Date: 07/11/2022

Certificate of Appreciation

It is certified that **Dr. Preeti Mishra**, Assistant Professor at Department of Computer Science, School of Physical Sciences, Doon University, Dehradun, organized an expert lecture as **coordinator** in Doon University. The details are given below.

S. No.	Title	Venue	Expert	Date/session /hour
I.	Fundamentals of IoT Security and Advances using SDN	Organized in Doon University for the CS students (online mode)	Dr. Kallol Krishna Karmarkar, Research Lecturer, ACSRC, University of Newcastle, Callaghan, Australia	Nov 05, 2022 (2021-22) (03 hour)

We greatly appreciate your time and effort in organizing the expert lecture and collaborating with foreign University for knowledge dissemination. The lecture was very useful to the computer science students of Doon University.

Total 65 students participated in the expert lecture.

(Dr. Narender Rawal)

Head/In-Charge

Incharge Head
Department of Computer Science
SOPS, Doon University



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

Date: 05/02/2022

Certificate of Appreciation

It is certified that **Dr. Preeti Mishra**, Assistant Professor at Department of Computer Science, School of Physical Sciences, Doon University, Dehradun, organized an expert lecture as *coordinator* in Doon University. The details are given below.

S. No.	Title	Venue	Expert	Date/session /hour
1.	Research terminologies and Reference Management using Mendeley	Organized in Doon University for the CS students (Online mode)	By Dr. Emmanuel S. Pilli, (Associate Professor, MNIT Jaipur)	(Feb 4, 2022) (2021-22) (04 hour)

We greatly appreciate your time and effort in organizing the expert lecture and collaborating with reputed institute of national importance for knowledge dissemination. The lecture was very useful to all the research scholars and PG students of Doon University.

Total 72 students participated
in the expert session.

(Dr. Narender Rawal)

Head/In-Charge

Incharge Head
Department of Computer Science
SCPS, Doon University



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DOON UNIVERSITY

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

Date: 01/04/2022

Certificate of Appreciation

It is certified that **Dr. Preeti Mishra**, Assistant Professor, at **Department of Computer Science**, School of Physical Sciences, **Doon University**, Dehradun, organized a skill-development training program for final year female girl students of multiple-disciplines as **coordinator** in Doon University. The details are given below.

S. No.	Title	Venue	Expert	Date/session /hour
1.	Marico Data Analytics	Organized in Doon University for final year female students (Physical Mode)	Mr. Sanjeev Kumar resource person from the ICT Academy	(Mar 14- Mar 31, 2022) (70 hour): 2021-22

We greatly appreciate your time and effort in organizing the skill development training program and collaborating with industry (Marico) for knowledge dissemination. Such trainings are highly required to increase employability of students.

Total 45 students participated in the training programme.

(Signature)

(Signature)

(Dr. Narender Rawal)

Head/In-Charge

Incharge Head
Department of Computer Science
SOPS, Doon University



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

Date: 24/01/2022

Certificate of Appreciation

It is certified that **Dr. Preeti Mishra**, Assistant Professor at **Department of Computer Science**, School of Physical Sciences, **Doon University**, Dehradun, organized an expert lecture as *coordinator* in Doon University. The details are given below.

S. No.	Title	Venue	Expert	Date/session /hour
1.	Cognitive and Non- Cognitive Skills	Organized in Doon University for the CS students (Online mode)	Ms. Nandini Aggarwal (Finance Manager, Marico)- Marico and ICT Academy	(Jan 22, 2022) (2021-22) (03 hour)

We greatly appreciate your time and effort in organizing the expert lecture and collaborating with industry for knowledge dissemination. The lecture was very useful to the students of Doon University.

Total 70 students participated in the expert session.

(Dr. Narender Rawal)

Head/In-Charge

Incharge Head
Department of Computer Science
SOPS, Doon University



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DOON UNIVERSITY

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

Date: 31/01/2022

Certificate of Appreciation

It is certified that **Dr. Preeti Mishra**, Assistant Professor at **Department of Computer Science**, School of Physical Sciences, **Doon University**, Dehradun, organized the seminar as *coordinator* in Doon University. The details are given below.

S. No.	Title	Venue	Expert	Date/session /hour
1.	Communication and Resume Writing Skills	Organized in Doon University for the CS students (online mode)	Divya Mestry (Senior CTI Officer, Marico) and Sumit Nayak (Senior Systems Officer, Marico)	(Jan 28, 2022) (2021-22) (04 hour)

We greatly appreciate your time and effort in organizing the seminar and collaborating with industry for knowledge dissemination. The seminar was very useful to the students of Doon University.

Total 60 students participated in the workshop.

(Dr. Narender Rawal)

Head/In-Charge

Incharge Head
Department of Computer Science
SOPS, Doon University



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

Date: 28/03/2023

Certificate of Appreciation

It is certified that **Dr. Preeti Mishra**, Assistant Professor at **Department of Computer Science**, School of Physical Sciences, **Doon University**, Dehradun, organized a skill-development training program for final year female girl students of multiple-disciplines as **coordinator** in Doon University. The details are given below.

S. No.	Title	Venue	Expert	Date/session /hour
1.	Honeywell Power BI	Organized in Doon University for final year female students (Physical Mode)	Rohit Ranjan (Instructor ICT Academy)	(March 15-March 27, 2023), (2022-23) (100 hour)

We greatly appreciate your time and effort in organizing the skill development training program and collaborating with industry (Honeywell) for knowledge dissemination. Such trainings are highly required to increase employability of students.

Total 59 girl students have participated in the workshop.

(Dr. Narender Rawal)

Head/In-Charge

Incharge Head
Department of Computer Science
SOPS, Doon University

Design and development of a multi-feature based malware detector

Research project submitted in partial fulfillment of the
requirements for the
award of the degree of
Bachelor of Science Honors
(Computer Science)

Submitted by
Mohit Bhatt (20CS-18)
Saksham Badoni (20CS-27)

Under the Supervision of
Dr. Preeti Mishra
Assistant Professor



Department of Computer Science
Doon University
Dehradun, Uttarakhand

June, 2023

CERTIFICATE

This is to certify that the research project entitled "**Design and development of a multi-feature based malware detector**" being submitted by **Mohit Bhatt (20CS-18)**, **Saksham Badoni (20CS-27)** in partial fulfillment of the requirements for award of the Degree of Bachelor of Science Honors (Computer Science) to the Department of Computer Science, School of Physical Science, Doon University, is a record of the bonafide research work carried out by them under my supervision and guidance.

The results embodied in this research project have not been submitted to any other University or Institute for the the award of ant Degree or Diploma.


30/06/2025

Dr. Preeti Mishra

(Supervisor)

Department of Computer Science
School of Physical Science
Doon University, Dehradun, India

Dr. PREETI MISHRA
Assistant Professor
Department of Computer Science
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Dr. Narender Kumar

(Head of Department)

Department of Computer Science
School of Physical Science
Doon University, Dehradun, India

Incharge Head
Department of Computer Science
SOPS, Doon University

Chapter 1

Introduction

1.1 Virtualization

Virtualization is a popular technology resulting in huge user-base. Almost every business industries are adapting this technology but due to it's increasing user-base, cyberattacks are also evolving. To tackle this issue many researchers are analyzing malware behaviours and working in order to make cloud computing safe. Also helping antivirus industries to update their malware database.

Virtualization ¹ is the process of creating virtual versions of computer hardware, software, or networks, enabling multiple systems to run simultaneously on a single physical machine, increasing efficiency and flexibility. It enables organizations to consolidate their IT infrastructure, reduce hardware costs, and increase resource utilization. It also facilitates easy migration, backup, and recovery of virtualized systems, enhancing overall system management and scalability. The host machine is the device on which the virtual machine will be created, and the guest machine is the virtual machine

¹<https://www.ibm.com/topics/virtualization>

A
research project report
on

Dynamic analysis for windows malware in Xen-based bare metal machines

Project report submitted in partial fulfillment of the
requirements for the award of the Degree of
Bachelor of Science Honors (Computer Science)

Submitted by

Gunjan Dhiman (20CS02)
Khushi Pokhriyal (20CS03)
Naina Chaudhary (20CS16)

Under the Supervision of

Dr. Preeti Mishra
Assistant Professor



Department of Computer Science
Doon University
Dehradun, Uttarakhand

June, 2023

CERTIFICATE

This is to certify that the project report entitled "**Dynamic analysis for windows malware in Xen-based bare metal machines**" submitted by **Gunjan Dhiman (20CS02), Khushi Pokhriyal (20CS03), Naina Chaudhary (20CS16)** to the Department of Computer Science, School of Physical Science, Doon University, Dehradun, in partial fulfilment of the requirements for the award of degree of Bachelors of science (computer science), is a record of the bonafide research work carried out by them under my supervision and guidance.

The results embodied in this research project have not been submitted to any other university or institute for the award of any degree or diploma.



Dr. Narendra Rawal

(Head of Department)

Department of Computer
Science

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India

Incharge Head
Department of Computer Science
SOPS, Doon University



Dr. Preeti Mishra

(Supervisor)

Department of Computer
Science

School of Physical Science

Doon University, Dehradun,

India



Chapter 1

Introduction

Virtualization has evolved over the last few years as "cloud" services have gained in popularity, becoming the extensively used tool that it is today. Through the virtualization process, a server, a desktop, a storage device, an operating system, or network resources can all be generated as virtual (rather than actual) versions. In other terms, virtualization is a technique that enables sharing of a single physical instance of a resource or an application between a number of clients and businesses. It consists of host operating system (OS), Virtual machine manager(VMM), virtual network, virtual machines, and underlying hardware.[1].

A virtual machine is a virtualized instance of a computer system that operates on a real host machine and includes the operating system, applications, and related resources. On a single physical host, several virtual machines can run, each running independently and segregated from the others. Hypervisors are used to build virtual machines. A hypervisor is a software layer that

GamingEra: Social Media web applications, (MERN stack)

Project report submitted in partial fulfillment of the
Requirements for the
Award of the Degree of
Bachelor of Science Honors
(Computer Science)

Submitted by

Roll no-20CS11

Under the Supervision

Of

Dr. Preeti Mishra

Assistant Professor




Department of Computer Science
Doon University
Dehradun, Uttarakhand
2023

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CERTIFICATE

This is to certify that the this project "GamingEra: A social media web application " submitted by Mohammad Ashfaq to the Department of Computer Science, School of Physical Science, Doon University, Dehradun, in partial fulfillment of the requirements for the report of the internship, is a record of the bonafide research work carried out by her under my supervision and guidance.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.


(Dr. Narendra Rawal)
Head (Computer Science)

Incharge Head
Department of Computer Science
SOPS, Doon University


30/01/2025

Dr. Preeti Mishra

(Supervisor)

Department of Computer Science

Introduction

The rapid growth of social media platforms in recent years has transformed the way people connect, communicate, and share information online. With the increasing demand for interactive online platforms, we have developed a social media website using the MERN stack (MongoDB, Express.js, React.js, and Node.js). This project report provides an overview of the development process, key features, and challenges encountered during the creation of our social media website.

In today's digitally connected world, social media platforms have become an integral part of our daily lives. They offer users a wide range of functionalities, including profile creation, content sharing, real-time messaging, and engagement through comments, likes, and shares. Our aim was to build a social media website that caters to these needs while providing a seamless and intuitive user experience.

The MERN stack was chosen as the foundation for our project due to its versatility, scalability, and robustness. MongoDB, a NoSQL database, was used for data storage, allowing us to efficiently handle the dynamic nature of social media content. Express.js provided a lightweight and flexible backend framework, facilitating the development of RESTful APIs to handle data retrieval and manipulation. React.js, a powerful JavaScript library, was employed for building a dynamic and interactive user interface. Lastly, Node.js acted as the runtime environment, enabling server-side execution of JavaScript code.

Throughout the development process, we focused on implementing core features commonly found in popular social media platforms. These features include user registration and authentication, the ability to create and customize user profiles, a news feed displaying posts from followed users, the ability to create, like, comment, and share posts, and real-time notifications to enhance user engagement.

In addition to the core functionalities, we also prioritized user privacy and security. We implemented secure authentication mechanisms, data encryption, and authorization controls to ensure that user data remains confidential and protected from unauthorized access.

IoT Based Network Intrusion Detection Using Explainable Artificial Intelligence

Research project submitted in partial fulfillment of the
requirements for the
award of the degree of
Bachelor of Science Honors
(Computer Science)

Submitted by
Akshansh Pal (20CS-05)
Rakshit Joshi (20CS-19)

Under the Supervision of
Dr. Preeti Mishra
Assistant Professor



Department of Computer Science
Doon University
Dehradun, Uttarakhand

June, 2023

CERTIFICATE

This is to certify that the research project entitled "**IoT Network Intrusion Detection And Classification using Explainable (XAI) Machine Learning Algorithms**" being submitted by **Akshansh Pal (20CS-05), Rakshit Joshi (20CS-19)** in partial fulfillment of the requirements for award of the Degree of Bachelor of Science Honors (Computer Science) to the Department of Computer Science, School of Physical Science, Doon University, is a record of the bonafide research work carried out by them under my supervision and guidance.

The results embodied in this research project have not been submitted to any other University or Institute for the the award of ant Degree or Diploma.



Dr. Preeti Mishra

(Supervisor)

Department of Computer Science
School of Physical Science
Doon University, Dehradun, India



Dr. Narender Kumar

(Head of Department)

Department of Computer Science
School of Physical Science
Doon University, Dehradun, India

Incharge Head
Department of Computer Science
SOPS, Doon University

Chapter 1

Introduction

The rapid expansion of the Internet of Things (IoT) has created significant security challenges because IoT networks, which are made up of interconnected devices with limited computational resources, have vulnerabilities that can be exploited by malicious actors. As a result, the development of effective Intrusion Detection Systems (IDS) is now a critical area of research.

IoT networks have become attractive targets for malicious attacks due to the valuable user data they possess. This poses significant risks to critical services where attackers aim to compromise confidentiality, integrity, and availability. In response to this, network intrusion detection systems (IDS) have been developed using machine learning algorithms/models to detect and monitor cyber-attack patterns in networking environments. These systems monitor network traffic for suspicious activities and generate alerts upon detecting specific attack types.

Project report on
"Machine learning Based Network Intrusion
Detection System with XAI"

Project report submitted in partial fulfillment of the
Requirements for the
Award of the Degree of
Bachelor of Science Honors
(Computer Science)

Submitted by
Aditya Pandey (20CS-08)

Under the Supervision of
Dr. Preeti Mishra
Assistant Professor

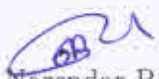


Department of Computer Science
Doon University
Dehradun, Uttarakhand
June, 2023

CERTIFICATE

This is to certify that the project entitled "Machine learning Based Network Intrusion Detection System with XAI " submitted by **Aditya Pandey** to the Department of Computer Science, School of Physical Science, Doon University, Dehradun, in partial fulfillment of the requirements for the reward of the **Bachelor of Science Hons (Computer Science)** is a record of the bonafide research work carried out by him under my supervision and guidance.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.



Dr. Narendar Rawal

(Head of Department)

Department of Computer Science

School of Physical Science

Doon University, Dehradun, India

Incharge Head

Department of Computer Science

SOPS, Doon University



Dr. Preeti Mishra

(Supervisor)

Department of Computer Science

School of Physical Science

Doon University, Dehradun, India

Chapter 1

Introduction

1.1 Overview of IoT

A collection of interconnected systems, objects, and devices that interact and share data with one another through the internet is referred to as the Internet of Things (IoT). These gadgets, which are frequently equipped with sensors, software, and networking capabilities, can be anything from simple household items like wearables and appliances to sophisticated manufacturing equipment and infrastructure.

IoT is the network of actual physical items or "things" that are equipped with either some kind of a sensor or some inbuilt software, and connection in order to gather and exchange data over the internet is known as the Internet of Things (IoT). Various tools, automobiles, home furnishings, structures, and even living things can be considered among these objects.

IoT is based on the idea of linking these things so they may talk to each other, share information, and take intelligent actions on their own without the need for human involvement. IoT device data may be analysed to gain insights, streamline procedures, and enhance decision-making across a range

Static Analysis for PDF Malware Detection

Project report submitted in partial fulfillment of the
Requirements for the
Award of the Degree of
Bachelor of Science Honors
(Computer Science)

Submitted by

Aman Rawat (20CS-07)

Mahak (20CS-12)

Neha Rawat (20CS-13)

Under the Supervision
Of

Dr. Preeti Mishra

Assistant Professor



Department of Computer Science
Doon University
Dehradun, Uttarakhand
June, 2023

CERTIFICATE

This is to certify that the thesis entitled " **Static Analysis for PDF Malware Detection**" being submitted by **Aman Rawat(20CS-07),Mahak(20CS-12) and Neha Rawat(20CS-13)** in partial fulfillment of the requirements for the award of the degree of Bachelor of Science Hons (Computer Science),to the Department of Computer Science, School of Physical Science, Doon University, Dehradun, is a record of the bonafide research work carried out by them under my supervision and guidance.

The results embodied in this research project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.



Dr. Preeti Mishra
(Supervisor)

Department of Computer Science
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Dr. Narendra Rawal
(Head of Department)

Department of Computer Science
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Incharge Head
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SOPS, Doon University

Chapter 1

Introduction

1.1 Computer security

When it comes to mitigating the risks associated with PDF malware, ensuring robust computer security is essential. Malicious documents have become one of the most popular methods for malware propagation, thanks to the growing number of unsuspecting users who open them without thinking twice. Failure of detection by modern antivirus software [1]. Attackers exploit PDF file vulnerabilities to distribute malicious contents, making it imperative to implement robust security measures. Here are important computer security considerations regarding PDF malware:

Utilise PDF reader software from reputable vendors that is regularly updated to take advantage of the most recent security features and upgrades. Operating systems and software applications, including PDF readers, must be kept up-to-date in order to resolve known vulnerabilities that may be exploited by attackers. Therefore, timely administration of security patches is essential.

Deploy antivirus and antimalware solutions that offer real-time protection against emergent threats and can detect and eliminate PDF malware. Update

Python based GUI (Graphical User Interface): Malware Detection Model

Project report submitted in partial fulfillment of the
Requirements for the
Award of the Degree of
Bachelor of Science Honours
(Computer Science)

Submitted by
Khushi Arora (20-CS-10)

Under the Supervision
Of
Dr. Preeti Mishra
Assistant Professor





Department of Computer Science
Doon University
Dehradun, Uttarakhand
June, 2023

CERTIFICATE

This is to certify that the thesis entitled " **Python based GUI(Graphical User Interface): Malware Detection Model**" submitted by **Khushi Arora** to the Department of Computer Science, School of Physical Science, Doon University, Dehradun, in partial fulfillment of the requirements for the report of the internship, is a record of the bonafide research work carried out by her under my supervision and guidance.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.


Dr. Navender Rawal
Head(Computer Science)
Incharge Head
Department of Computer Science
SOPS, Doon University


Dr. Preeti Mishra
(Supervisor)
Department of Computer Science
School of Physical Science
Doon University, Dehradun, India

Chapter 1

Introduction

1.1 Computer Security : In today's era, Computer security is a crucial aspect of protecting systems and networks from various threats, including malware. Malware refers to malicious software designed to disrupt, damage, or gain unauthorized access to computer systems. The safeguarding from theft, attacks or damage to hardware, software or confidential data is of paramount importance as well as the normal execution of all the services. Since, the 21 century is an era of data, most of the mischievous activities work around the theft or manipulation of confidential information. At this time, the designing of robust, scalable and elastic malware identification system to prevent in server centric computer network is one of the most challenging task when more than millions of new malware has been generating on a daily basis. To enhance computer security and detect malware effectively, the development of robust malware detection models has become essential. To simplify the process of malware detections and to help the server administrator to protect the server as well as all the host machines from being corrupted, there is a dire need to give some automatic malware classification model which can solve this problem on a very large scale. One of the major reason

A research project report
on
**VNSecure: An explainable virtual network
attack detection framework at VMM-Layer in
virtualization environment**

Project report submitted in partial fulfillment of the
requirements for the award of the Degree of
Bachelor of Science Honors (Computer Science)

Submitted by

Aditya Nautiyal (20CS-06)
Shubhangi Saklani (20CS-28)
Aditi Pant (20CS-36)

Under the Supervision of

Dr. Preeti Mishra
Assistant Professor



Department of Computer Science
Doon University
Dehradun, Uttarakhand
June, 2023

CERTIFICATE

This is to certify that the report of the project entitled "**VNSecure: An explainable virtual network attack detection framework at VMM-Layer in virtualization environment**" submitted by **Aditya Nautiyal (20CS-06)**, **Shubhangi Saklani (20CS-28)** and **Aditi Pant (20CS-36)** to the Department of Computer Science, School of Physical Science, Doon University, Dehradun, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Science Hons (Computer Science)**, is a record of the bonafide research work carried out by them under my supervision and guidance.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.



Dr. Narendra Rawal
(Head of Department)

Department of Computer Science
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Incharge Head
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SOPS, Doon University



Dr. Preeti Mishra
(Supervisor)

Department of Computer Science
School of Physical Science
Doon University, Dehradun, India

Chapter 1

Introduction

As organizations increasingly embrace virtualization technologies to optimize resource utilization and enhance operational efficiency, ensuring solid network security within virtualized environments has become paramount. This project report delves into the critical aspect of network security in virtualization environments, exploring the challenges posed by this dynamic landscape and proposing effective solution for current era.

A series of vulnerabilities in Windows software of Microsoft Exchange was exploited by state-sponsored threat actors to gain unauthorized access to email accounts and install malwares. The attack affected thousands of organizations worldwide, including government agencies and businesses.¹

As per Mandiant annual threat report 2023, revealed that ransomware-focused threat actors are increasingly targeting virtualization infrastructure. Targeting such infrastructure allows attackers to potentially infect hundreds of virtual machines at once. They also observed several ransomware groups targeting platforms like VMware vSphere and ESXi, using compromised

¹<https://www.cshub.com/attacks/news/iotw-over-77000-uber-employee-details-leaked-in-data-breach2>

THE STUDY OF ANTIBACTERIAL ACTIVITY OF GRAPHENE OXIDE- SELENIUM NANOCOMPOSITE

DISSERTATION
SUBMITTED TO
SCHOOL OF PHYSICAL SCIENCES
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
OF THE DEGREE OF

**BACHELORS
IN
CHEMISTRY**

BY

AYUSH BADONI

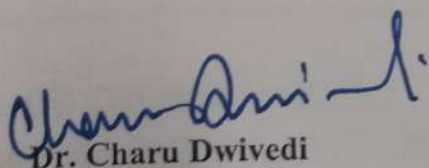


**DEPARTMENT OF CHEMISTRY
SCHOOL OF PHYSICAL SCIENCES
DOON UNIVERSITY, DEHRADUN**

2022

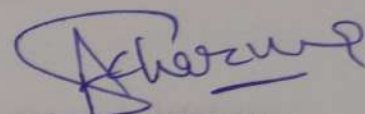
Certificate

This is to certify that the Dissertation entitled "The study of Antibacterial activity of Graphene Oxide-Selenium Nanocomposite" submitted by Ayush Badoni has been done under my supervision. It is also certified that the work in this Dissertation embodies the original research and hard work of the candidate. The assistance and support received during the course the of investigation and all the sources of literature have been fully acknowledged.



Dr. Charu Dwivedi

Supervisor/ Guide



Dr. Arun Kumar

Head I/C

Chapter 1

Introduction

Nanotechnology is the use of nano-sized materials that have distinct characteristics compared to bulk materials of the same composition [1]. Environmental carbon-based nanotechnology is an exciting topic of study because of its potential uses in sensors, water purification and alternative energy [2]. Recent advances in the use of nanoparticles and nanomaterials such as ZnO, TiO₂, CuO and others for medical applications have received attention due to their excellent characteristics, which have marked their applications as potential antibacterial agents, drug and gene delivery vehicles [3-4]. Carbon is among the most abundant component in our ecosystem and carbon compounds have been shown to be more physiologically friendly. In this case, naturally occurring graphite is a chemical that has been used in our daily lives for decades without causing substantial harm. Graphene is a 2-D structure of hexagonally stacked sp²-hybridized carbon, giving it a huge surface. Graphene is a remarkable material that comes with a lengthy number of superlatives. Honeycomb lattice makes it the thinnest and strongest solid ever measured. Graphene has many impressive properties, however, it has no bandgap and limited water solubility, which significantly limits its use in a number of domains. Synthesizing graphene derivatives is a reliable way to circumvent these limits and broaden the spectrum of graphene uses. The intriguing characteristics of GO are due to the unusual chemical structure of GOs, which consists of sp² carbon encompassed by sp³ carbon and oxygen-bearing hydrophilic functional groups. Since graphite and GO nanocomposites are extremely conductive and resistant to pressure and heat, they have several potential applications in the field of research to create new and imaginative materials. The most efficient method for preparing graphene nanocomposites often begins with graphite oxidation. Graphite oxide is synthesized by intercalating and oxidizing graphite

NANOSCALE HYBRIDS OF BORON NITRIDE AND BIMETALLIC NANOALLOY: A FUNDAMENTAL STUDY

DISSERTATION
SUBMITTED TO
SCHOOL OF PHYSICAL SCIENCES
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
OF THE DEGREE OF

BACHELORS
IN
CHEMISTRY

BY

AISHWARYA JUYAL



DEPARTMENT OF CHEMISTRY
SCHOOL OF PHYSICAL SCIENCES
DOON UNIVERSITY, DEHRADUN
UTTRAKHAND (INDIA)

2022

Chapter-1

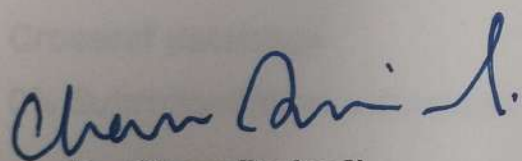
Introduction

Boron nitride (BN) derived nanomaterials have received a huge amount of recognition due to their distinctive superior characteristics such as chemical inertness, high values of thermal conductivity, higher oxidation resistance, great mechanical strength, and insulating properties [1]. Boron Nitride (BN) is a boron-nitrogen compound which exists in a variety of crystalline forms, notably cubic, wurtzite and hexagonal BN, which is an analogue of graphene [2]. The crystalline formations of BN are responsible for their distinct physiochemical properties. hBN, often termed as "white graphite," is a hexagonal shape and structural counterpart of graphene in nature. hBN nanoparticles possess lubricating properties in addition to chemical stability and high electrical insulation [3]. The surface impacts and quantum confinement in BN results in high thermal and chemical stability, as well as a large band gap of 5.5 eV, which renders it an appealing asset for a spectrum of potential applications in electrical components, sensor systems, hydrogen storage and water and gas separation [4,5]. Fabrication of spherical BN nanoparticles with very small dimensions provides for a significantly higher loading density, and is now being proposed as a solution to tackle the 'two-dimensional BN nanostructures' lower filling density constraint. Improved particle dispersal of spherical nanometric BN particles improves the visco-elastic properties of different BN-based ceramic and polymeric composites [6].

Metal nanoparticles have garnered a lot of interest for the past few years considering their unusual physiochemical characteristics, notably high surface to volume ratio, which distinguishes them from bulk materials and has a big influence on their catalytic and biological capabilities [7]. The dimensions of metallic nanoparticles are tunable based on numerous factors

Certificate

This is to certify that the Dissertation entitled 'Nanoscale hybrids of Boron nitride and bimetallic nanoalloy: A Fundamental study' submitted by Aishwarya Juyal has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



Dr. Charu Dwivedi

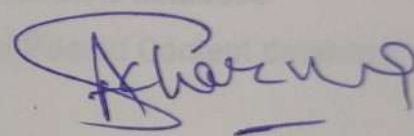
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Dr. Arun Kumar

Head of Chemistry Department

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Doon University, Dehradun

Synthesis of carbon doped $\text{TiO}_2/\text{ZIF-8}$ composite and its application as photocatalyst

DISSERTATION
SUBMITTED TO
SCHOOL OF PHYSICAL SCIENCES
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
OF THE DEGREE OF

BACHELORS
IN
CHEMISTRY

BY

ANUBHI SEMWAL

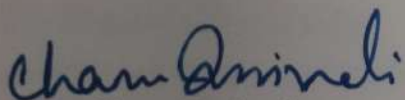


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UTTRAKHAND (INDIA)

2022

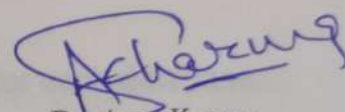
CERTIFICATE

This is to certify that Dissertation entitled “Synthesis of carbon doped TiO_2 /ZIF-8 composite and its application as photocatalyst” by Anubhi Semwal has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and the hardwork of the candidate. The assistance and the support received during the course of investigation and all the sources of literature of literature have been fully acknowledged.



Dr. Charu Dwivedi

Supervisor/Guide



Dr. Arun Kumar

Head of Department

Chapter-1

Introduction

TiO₂ is an outstanding photocatalyst with potential use in environmental cleaning and as a type of solar energy cell due to its distinctive electrical and optical characteristics, titanium dioxide is one class of significant materials that has been thoroughly studied. TiO₂ nanosized powder exhibits high oxidizability and reducibility when exposed to UV light [1]. The characteristics of TiO₂ nanoparticles are revealed by the nanoparticle size, shape, and crystal structure and are thus substantially influenced by the preparation method. Anatase, rutile, and brookite are the three mineral forms of TiO₂. TiO₂ of the anatase type is utilised primarily as a photocatalyst when exposed to UV light and it is crystalline in nature that is associated with the tetragonal system. Rutile and brookite phases have tetragonal and orthorhombic crystalline nature respectively [2]. To purge impurities from both water and the air, its photocatalytic characteristics have been used in a variety of environmental applications [3]. Unfortunately, its wide band gap means that UV radiation is the easy way to activate it but UV radiation only makes up a small portion of the radiation through sun (about 3–5%). Hence it is profitable to have the band gap of TiO₂ towards visible range which is dominant portion of sunlight. One such method to bring down the band gap is doping and this technique for TiO₂ has been explored via both metal and non-metal compounds [4].

ZIF-8 is metal organic framework (MOF) which has captured the interest of researchers highly porous nature. ZIF-8 are considered to be similar to aluminosilicate zeolites due to the substitution of Y–O–Y (Y = P, Al, Si) linkage in zeolites with Zn–Im–Zn (Im = imidazole linker) linkage in ZIF-8 [5]. ZIF-8 among other ZIF MOFs has been the subject of the most research due of its great thermal and chemical stability. It's simple synthesis, comparatively

SYNTHESIS AND FUNDAMENTAL STUDY OF CDSE-ZIF-8 NANOCOMPOSITE

DISSERTATION
SUBMITTED TO
SCHOOL OF PHYSICAL SCIENCES
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
OF THE DEGREE OF

**BACHELORS
IN
CHEMISTRY**

BY

DEVANSHU SAJWAN

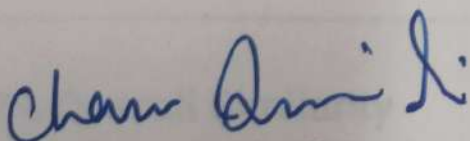


**DEPARTMENT OF CHEMISTRY
SCHOOL OF PHYSICAL SCIENCES
DOON UNIVERSITY, DEHRADUN
UTTRAKHAND (INDIA)**

2022

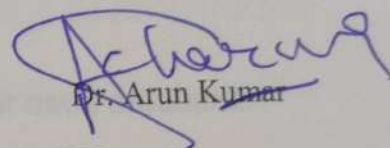
CERTIFICATE

This is to certify that Dissertation entitled “**Synthesis and fundamental study of CdSe-ZIF-8 nanocomposite**” by Devanshu Sajwan has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and the hardwork of the candidate. The assistance and the support received during the course of investigation and all the sources of literature of literature have been fully acknowledged.



Dr. Charu Dwivedi

Supervisor/Guide



Dr. Arun Kumar

Head of Department

Chapter 1

Introduction

Porous materials were found to be of great interest in many interdisciplinary areas because of their enhanced surface area, consistent pore size and flexible architecture. They have great potential in applications including gas storage, sensors as well as drug delivery. Metal organic frameworks (MOFs) is one such class of porous materials which came into limelight to meet requirements of pore chemistry tunability and their discovery of has brought up so many new advancements in the improvement of science and research [1]. Metal organic frameworks belong to a group of materials which include the amalgamation of a metal ion with a multidentate organic linkers thereby developing a three-dimensional vast porous network [2]. MOFs have been vastly studied and applied on many research areas including drug delivery, gas sensing, adsorption, catalysis, water purification and bioimaging. These diverse applications of MOF's are the results of their excellent and interesting properties like various morphologies, uniform porosity, large surface area, large pore diameter, cost effective and promising stability [3].

Zinc Imidazole Framework-8, which consists of the linking agent methyl imidazole and the metal ion zinc in a tetrahedrally coordinated assembly, is one of the most extensively researched frameworks. Its structure is of high symmetry along with suitable aperture size, large surface area, numerous active sites, heat resistance and large pore diameter [4]. Owing to these properties, synthesizing various nanocomposites of ZIF-8 with different other materials to enhance the overall properties and performance of the composite on a particular field. Pore size modification from transition metal ions and organic ligands, MOFs, such as ZIF-8, have been self-assembled to create crystalline porous materials with cyclic network

**Palladium(II) Complex derived from Hybrid
Tellurated Schiff-Base ligand framework: Application
in Allylation of Aldehyde**

DISSERTATION

SUBMITTED TO

DEPARTMENT OF CHEMISTRY

SCHOOL OF PHYSICAL SCIENCES

DOON UNIVERSITY, DEHRADUN

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS

FOR THE AWARD OF THE DEGREE OF

BACHELORS IN CHEMISTRY

BY

SAUMYA RAWAT



DEPARTMENT OF CHEMISTRY

SCHOOL OF PHYSICAL SCIENCES

DOON UNIVERSITY, DEHRADUN 2023

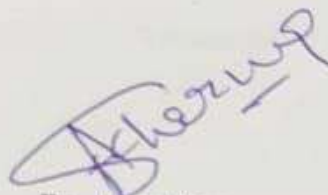
Certificate

This is to certify that the Dissertation entitled “Palladium(II) Complex derived from Hybrid Tellurated Schiff-Base ligand framework: Application in Allylation of Aldehyde” submitted by **Saumya Rawat** has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



Dr. Arun Kumar
(Supervisor)
Head I/C, Dept. of Chemistry,
School of Physical Sciences,
Doon University, Dehradun.



Dr. Arun Kumar
Head I/C,
Dept. of Chemistry,
School of Physical Sciences,
Doon University, Dehradun.

Chapter 1

Introduction

The periodic table classifies tellurium as a p-block element and places it in group 16 (also referred to as the chalcogen group) and 5th period. It displays both metallic and non-metallic qualities [2,3]. Electronically, it is configured as [Kr] 4d¹⁰ 5s² 5p⁴. It displays several oxidation states ranging from 2 to +6 [3,4]. TeO₂ and TeO₃ are the forms it takes in nature. It produces both organic molecules and inorganic salts. Tellurides (Te₂; Te₂O₄; TeO₃; TeO₄) are three types of inorganic salts. Additionally, it may be found as telluride Te²⁻ (oxidation state -2) and ditelluride dianion Te₂²⁻ (oxidation state -1) [3].

In the form of metal tellurides, tellurium is being researched commercially for use as a metal in the production of alloys and solar panels [3,5,6]. The most prevalent telluride used in solar cells, for instance, is cadmium telluride [7]. Metal tellurides are one of the most effective inorganic chemicals. The domains of material science [8–11], catalysis [4, 12–14], and sensing [15] all harness compounds of tellurium. For photonic switches, tellurite glasses are put to use [16]. Rechargeable batteries may also be made using metal tellurides [17]. Fluorescent CdTe quantum dots are one of several valuable materials [6,18]. The analysis of telluride clusters [19], nanoparticles [6,20], and nanotubes [21] in nanotechnology uses all inorganic and organic tellurium molecules. The usual patterns of group 16 elements are not followed by tellurium [156]. These characteristics made Tellurium "the maverick among chalcogens," as stated by Chivers and Laitinen [157].

The striking characteristics of organotellurium compounds in the light of their applicability in catalyst development

The usefulness of organotellurium compounds is likewise relatively high in comparison to inorganic materials and compounds (such as metal tellurides). In the year 1840, Wohler designed the first

**DISSERTATION REPORT ON “Work Life Balance of
employees at Ebizon”**

**DISSERTATION REPORT SUBMITTED IN PARTIAL
FULLFILLMENT OF THE
REQUIREMENT FOR THE AWARD OF THE DEGREE OF
EXECUTIVE MASTERS IN BUSINESS ADMINISTRATION**

Submitted By:

PRASHANT KUMAR

EMBA-14

EMBA IV SEMESTER 2020-2022



**SCHOOL OF MANAGEMENT, DOON UNIVERSITY
DEHRADUN, UTTARAKHAND**

Submitted To:

Dr. DEEPANSHA GAUTAM

CERTIFICATE

This is to certify that Prashant Kumar, student of Executive MBA (Batch 2020-2022) of School of Management, Doon University, Dehradun has successfully completed his Dissertation report on "Work Life balance of employees at Ebizon" under my guidance and supervision. This report is his original work and not copied from any other source.

I wish him all the best.

Signature
27/08/2022

Signature of the Guide

Dr Deepansha Gautam
Guest Faculty
School of Management
Doon University

Chapter-1

"If you are losing your leisure, look out; you may be losing your soul", Logan P.Smith.

1.0 Introduction

Since the 1960's, the labor market, employment, work and home life have undergone significant transformation as a result of factors such as changes in demographics, increased female participation in the labor market, increased levels of educational attainment, changes in the composition of households, the decline of traditional employment models and the rise of dual-earner families. These developments have contributed to fundamental changes in the "traditional" allocation of time between work performed in employment settings, work at home, home production and leisure. (Chaykowski Richard, June 2006)

Today, the division between home and work life is different for both males and females — and there is increased public and policy concern and debate about whether the quality of working life and home life has eroded and whether work-life balance has been transformed into work-life conflict. The concern is that these developments have increased work-life conflict that manifests itself as increased reported stress, with costs to employees in terms of health, to employers arising from lost productivity and to society from increased costs of health care and other negative social outcomes.(Chaykowski Richard, June 2006)

Consider the example of the IT sector in India. Information Technology (IT) sector in India is doing very good. There are more job opportunities due to the IT boom. Just after the completion

**A DISSERTATION REPORT
ON
“Effect of Pandemic on Banking Industry”**

**Submitted in partial fulfilment of award of Degree of
EXECUTIVE MASTER OF BUSINESS ADMINISTRATION**

AT



**Submitted by
UDIT KUMAR ROHILA
EMBA-07**

**Under the guidance of
Dr. Smita Tripathi
(Assistant Professor, School of Management)
Doon University
2020-2022**

GUIDE CERTIFICATE


I hereby certify that the dissertation work entitled "**Effect of Pandemic on Banking Industry**". Presented for partial fulfilment of the degree of Executive Master of Business Administration, School Of Management, Doon University, is a record of research work conducted by Udit Kumar Rohila, E.M.B.A, under my supervision and direction. He has completed all of the requirements outlined in this University's standards for the work contained in this dissertation.

I am submitting and examining this dissertation for the Executive Masters of Business Administration degree. This dissertation has not been submitted for any other degree or certificate.

Place: DEHRADUN

Date:

Signature of Guide


(Dr. Smita Tripathi)

INTRODUCTION

FINANCIAL SECTOR IN INDIA

Financial sector in India acts as the nervous system for the nation's economy and for its economic development. It consists of many sub-systems like financial service, banks, financial institutions etc. the sound performance of the sector at the time of the global financial meltdown, which isolated the country from the global chaos, has won praise for the India Financial sector among policy makers and central banks all over the world. The financial service sector, whose performance is more closely linked to the economy, has stood as an "Engine of Growth" in the last few decades. It was one of the fastest growing sectors. The financial system in India today is enabling not only physical capital formation but also consumption expenditure. Similarly, it now handles financial flows not only between individual savers/investors but also between institutional savers/investors.

"A Financial System is, as it were, the stomach of the country, from which all the other organs take their tone" - The former British Prime Minister William Gladstone.

The Indian Financial Sector traditionally was largely divided into three main segments:

- 1. Organized Sector:** Consisting of banks, insurance companies, stock markets, financial institutions, NBFC's etc.
- 2. Unorganized Sector:** The players in this sector include village grocery shops, indigenous bankers, chit fund, money lenders, landlords, traders etc.

Final Project Report

On

Impact of covid-19 on the lifestyle of professionals in retail sector.

Completed At

Doon University, Dehradun

Pranav Gupta

Roll No EMBA16

EMBA (2020-22)

Dr Yesha Tomar

Submitted in Partial Fulfillment of the Requirements of

Executive MBA

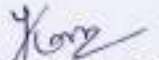
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Dehradun**

CERTIFICATE

This is to certify that the Final project report on “**Impact of covid-19 on the lifestyle of professionals in retail sector**” is a bonafide work of “*Pranav Gupta, EMBA16*”, pursuing Executive MBA, Batch (2020-22) of School of Management, Doon University, Dehradun
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Date: 03/09/22


Dr Yesha Tomar
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Assistant Professor
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1.1 Introduction

COVID-19 pandemic began from Wuhan, China and spread like wildfire across the globe. COVID

19 has transformed our lives, the world we live in forcing governments across the world to implement lockdown. Total lockdown consequent to it taken for preventing spread of COVID 19. Pushing us indoors for month, the health crisis has adversely impacted businesses triggering a global economic slowdown, resulted in changes in daily life schedule ,daily physical activity level

, changes in daily life schedule, daily physical activity level, mental activity level, food intake

level, sleep duration ; restricted physical activity, unlimited screen time and circadian rhythm disturbance coupled with minimal exposure to sunlight the primary determinant of our circadian rhythm and erratic food patterns, have serious impact on our health and well being , Even after lockdown is lifted, life will not remain the same as seen in studies. Needless to say, people-facing sectors like retail witnessed an immediate slump. With shops being closed to ward off the crisis, sales and manufacturing have plummeted to an all-time low. In the first two months of lockdown the organized retail sector has borne losses to the tune of ₹90,000 crore. While revenues have been nil expenses like EMI, rent, staff salaries etc. The present study is an attempt to find out the effect of this pandemic led lockdown on the lifestyle of younger population and on the lifestyle of professionals

A DISSERTATION REPORT

ON

**Financial Performance of Public and Private Sector Banks in Dehradun: A
Comparative Study on SBI and HDFC Bank**

**Submitted in partial fulfilment of award of Degree of
MASTER OF BUSINESS ADMINISTRATION**

AT

DOON UNIVERSITY, DEHRADUN

Submitted by

Mayank Bhatt

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Under the guidance of

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(Assistant Professor, School of Management)

Doon University

2020-2022

GUIDE CERTIFICATE

I hereby attest that the dissertation entitled "**Analysis of Financial Position and Performance of Public and Private Sector Banks in India: A Comparative Study on SBI and HDFC Bank,**" submitted for the purpose of partial fulfilment of the degree of **Master of Business Administration at the School of Management, Doon University**, is a record of Bonafede research work completed by **Mayank Bhatt, M.B.A.**, under my supervision and direction. He has complied with all standards set forth by this University with regard to the work represented in this dissertation. I am forwarding this dissertation for submission and examination for Masters of Business Administration degree. No part of this dissertation has been submitted to any other degree or diploma.

Place: DEHRADUN

Date: 08/27/2022

Signature of Guide


(Dr. Smita Tripathi)

INTRODUCTION

1: INTRODUCTION TO BANKING SECTOR

Public sector banks, which include nationalized banks and SBI and associates, private sector banks, which include both old and new private sector banks, and foreign banks make up the bulk of the Indian banking industry. In addition to these, India has over 80 regional rural banks in operation. The country's national bank, the RBI, keeps track of the systemic flaw. The General Bank of India, founded in 1786, and Bank of Hindustan, which operated from 1770 to 1829, were the earliest banks. The biggest and oldest bank still in operation is State Bank of India.

All major banks in India were nationalized beginning in 1969, and since then they have only ever been owned by those institutions. They can compete and conduct business like commercial banks since they are managed under a system known as "profit-making public sector undertaking" (PSU). Following deregulation in the 1990s, a number of international banks as well as new private commercial banks entered the Indian banking system. New generation banking was popular during this time.

In modern era, every bank and banking group is striving to attract more and more customers towards it, so they can make its name in the banking industry and gets fame by their working and operations so that their customers' loyalty can be increased towards them and they are able to utilize this in their future policies. Competition among them has also make them quality oriented. Now a day, they haven't only concerned about providing their customers with lots of facilities but the quality of those services is also their major concern issue. The only segment which is mostly benefitted from these activities and operations of the banks are the customers. Today banking industry is not the bank oriented but it is customer oriented. All the banks and banking groups are doing what their customers are demanding from them. They are ready to provide them all the facilities only to retain them with their bank. Some of the examples of this are 24-hour ATM facility to their customers, mobile banking, tele-banking, electronic fund transfer etc. Thus, these facilities make customers more contended and satisfied.

There are different parameters on which these banks and bank groups compete with each other. The major purpose behind this competition is to improve their customer base and profitability by increasing their efficiency. So, the parameter holds the important place in the policies of the banks and they should be properly handled and appropriate polices should be made to make the best use of these parameters.

An accounting concept which shows the excess of income over expenditure viewed during a specified period of time is called PROFIT and has remained the major reason for their existence. On the other hand, the Term profitability is a relative measure where profit is expressed as a ratio, as a percentage. The relationship of the absolute amount of profit with various other factors is depicted by profitability. There are number of exogenous and endogenous factors affecting profitability of the banks. The factors like changes in monetary policy quantitative credit control like changes in statutory liquidity ratio, cash reserve ratio, manipulation of bank rates, qualitative credit controls like selective credit control measures, credit deposit ratio, changes in interest rates on advances and deposits, region-wise guidelines on lending to priority sector, levy of tax on interest income etc. are exogenous in nature. Various other factors like timely recovery of loans, careful control of expenditure is endogenous.

In practice executives define profits in banks as the difference between total earnings from all earning assets and total expenditure on managing entire asset liabilities portfolio. In case of banks, the main source of income is interest earned and discount on bills discounted. The difference between the interest earned on loans and interest paid on deposits actually represents the bank profitability.

“Relative abundance and population status of House Sparrows (*Passer Domestics*) along an elevational gradient in the Uttarakhand State”

Dissertation Submitted in Partial Fulfilment of the Requirement for the Degree of

**Master of Environment Science
(Specialization in Natural Resource Management)**

SUBMITTED BY:

ARPIT

SEM-410



Submitted to:

School of Environment Science and Natural Resources

Doon University

Dehradun, Uttarakhand.

(JANUARY TO JULY 2023)



दून विश्वविद्यालय

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DOON UNIVERSITY

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

CERTIFICATE

This is to certify that dissertation entitled “**Relative abundance and population status of House Sparrows (*Passer domestics*) along an elevational gradient in the Uttarakhand State**” which is submitted by Arpit, SEM-410 in partial fulfilment of the requirement for the Degree of Master of Environment Science (specialization in Natural Resource Management), Doon University, Dehradun, Uttarakhand is a record of the work carried out by the candidate under our supervision.

Dr. Suneet Naithani
Assistant Professor
Doon University

Prof. Kusum Arunachalam
Head of Department
Doon University

Prof. Kusum Arunachalam
Head
School of Environment and Natural Resources
Doon University, Dehradun.



भारतीय वन्यजीव संस्थान
Wildlife Institute of India

Date- 17-07-2023

Certificate

This is to certify that the dissertation entitled "**Relative abundance and population status of House Sparrows (*Passer domesticus*) along an elevational gradient in the Uttarakhand State**" submitted by Mr. Arpit, student of M.Sc. Environment Science (NRM) has been done under our supervision. The research work was carried out at Wildlife Institute of India, Dehradun. It is also certified that the work in this dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.

Dr. Suneet Naithani
Supervisor
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Dr. R. Suresh Kumar
Co-Supervisor
Wildlife Institute of India

(Prof. Kusum Arunachalam)

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DECLARATION

This is to certify that the work which is being presented in the dissertation entitled “Relative abundance and population status of House Sparrows (*Passer domestics*) along an elevational gradient in the Uttarakhand State”. In fulfilment for the partial requirement of the award of the M.Sc. in Environmental Sciences And Natural Resources Management and submitted in the School of Environment and Natural Resources, Doon University, is an authentic record of my own work carried out during a period from Jan 2023 to June 2023 under the supervision of **Dr. Suneet Naithani (supervisor)** . I have not submitted the subject matter in this for the award of any other degree from this university or any other university.



ARPIT

(SEM – 410)

ACKNOWLEDGMENT

The greatest joy and satisfaction that come with completing a work successfully would be lacking if I didn't convey my sincere gratitude to everyone who has supported me throughout my dissertation.

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(Arpit)

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in.

FABRICATION OF PHYSICALLY AND CHEMICALLY ACTIVATED VERSATILE STRUCTURED CARBON FOAM FOR THE ADSORPTION OF VOLATILE ORGANIC COMPOUNDS

In the partial fulfilment of the requirement

For the award of degree of

Master of Environmental Science

Submitted by

Sonal shukla

SEM-407

School of Environment & Natural Resources

Under the Guidance of

Dr. Vipin Kumar Saini

(Assistant Professor)



SCHOOL OF ENVIRONMENT & NATURAL RESOURCES

DOON UNIVERSITY, DEHRADUN

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This is to certify that the Dissertation entitled '**Fabrication of physically and chemically activated versatile Carbon Foam structures for the adsorption of volatile organic compounds**' submitted by **Sonal shukla, SEM-407** has been done under my supervision. It is also certified that the work in this dissertation embodies the original research and hard work of the candidate. The assistance and support received during this research and all the sources of literature have been duly acknowledged.


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CANDIDATE'S DECLARATION

I declare that the work presented in the dissertation entitled '**Fabrication of physically and chemically activated versatile Carbon Foam structures for the adsorption of volatile organic compounds**' being submitted to the School of Environment and Natural Resources, Doon University, Dehradun for the award of Masters in Environmental Science is the outcome of my original research work. The matter embodied in this dissertation has not been submitted anywhere else for the award of any other degree/diploma.

Sonal Shukla

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Place:

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I would also like to express my gratitude to the university and the School of Environment & Natural Resources in particular, for their encouragement. I am highly indebted to my teachers and mentors for giving me this wonderful opportunity to work at Doon University, especially to **Dr. Kusum Arunachalam**.

It gives me great pleasure to express my deep sense of gratitude to my supervisor **Dr. Vipin Kumar Saini** for his valuable guidance, observation, inspiration and constant moral support. It is his fruitful and constructive suggestions, systematic approach, and enthusiasm that have made this work a success.

I'd like to acknowledge our SENR lab staff members for their assistance and support. **Mr. Kamal Singh, Mr. Sandeep Butola, and Mr. Suraj** were helpful in providing instrumental support and the necessary means for conducting the experimental work.

I would also like to thank my family and my senior in the lab, **Riya Aneja (Ph.D. Scholar), Mr. Anuj Chauhan (Ph.D. Scholar)** for her consistent help and support throughout the experimental and writing process of my dissertation. Last but not least, I'd like to thank my lab peers, **Shital Rathod, Shivani Semwal, and Arun Kumar Maurya** for always being there to help.

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ASSESSING THE DIVERSITY OF BUTTERFLIES AT DOON UNIVERSITY, DEHRADUN

SUBMITTED FOR THE PARTIAL FULFILMENT OF THE DEGREE OF MASTER OF SCIENCE

In

ENVIRONMENTAL SCIENCE

Under the supervision of Dr. SUNEET NAITHANI

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THE YEAR 2021-23



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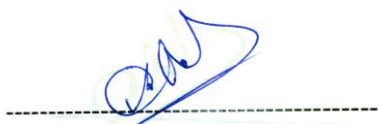
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Declaration

I declare that the work presented in the Dissertation entitled 'Assessing the Diversity of Butterflies at Doon University' is being submitted to the Department of School of Environment Science and Natural Resources, Doon University, Dehradun for the award of Master in Environment Science is my original research work. The Dissertation embodies the results of investigations, observations, and experiments carried out by me. I have neither plagiarized any part of the dissertation nor have submitted the same work for the award of any other degree/diploma anywhere.



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Acknowledgement

I owe my deepest gratitude to my supervisor, Dr. Suneet Naithani, Assistant Professor in Doon University, School of Environmental Science and Natural Resources, for their insightful advice, encouragement, and continuous support because of which I was able to complete my work on time.

I would like to take this opportunity to express my gratitude to Mr. Sunny Joshi for his regular support and continuous guidance throughout my dissertation, as because of his help, I was able to complete my study successfully.

I also would like to express my heartfelt gratitude to my friends Shreya Semwal, Jyoti Manral, Adv. Shiv Pandey for their unwavering assistance and moral support.

And finally, I would like to thank my parents and my brother for helping and supporting me throughout my dissertation.

-Aditya Darmwal



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THERMOCHEMICAL PRETREATMENT AND ENZYMATIC HYDROLYSIS OF NAPIER GRASS FOR HIGH FERMENTABLE SUGAR YIELD AND ETHANOL PRODUCTION

In the partial fulfilment of the requirement

For the award of degree of

Master of Environmental Science

Submitted by

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DECLARATION

I, Aishwarya Mondal, hereby declare that the work presented in the Dissertation, entitled

‘Thermochemical Pretreatment and Enzymatic Hydrolysis of Napier Grass for High Fermentable Sugar Yield and Ethanol Production’ being submitted to the School of

Environment and Natural Resources, Doon University, Dehradun for the award of Masters in Environmental Science is the outcome of my research studies and that no previous submission for a degree has been made to any faculty elsewhere.

Works by others, which served as a source of information, have been duly acknowledged in the form of reference.

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I would also like to express my gratitude to the university and the School of Environment & Natural Resources in particular, for their encouragement. I am highly indebted to my teachers and mentors for giving me this wonderful opportunity to work at Doon University, especially to **Dr. Kusum Arunachalam**.

I'd like to acknowledge our SENR lab staff members for their assistance and support. **Mr. Kamal Singh, Mr. Sandeep Butola, and Mr. Suraj** were helpful in providing instrumental support and the necessary means for conducting the experimental work.

I would also like to thank my family and my seniors in the lab, (**Mr. Ashish Sharma, Ms. Anjali, Ms. Ashita and Mr. Manish Chaudhary**), for their consistent help and support throughout the experimental and writing process of my dissertation.

Aishwarya Mondal

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Natural and Cultural Tourism in Sarnath, its Potentials and Pitfalls

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE DEGREE OF
MASTER OF SCIENCE

In

ENVIRONMENTAL SCIENCE

Under the supervision of

DR. Suneet Naithani



भारतीय वन्यजीव संस्थान
Wildlife Institute of India

By Annie Bisht

M.Sc. ENVIRONMENT SCIENCE

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SCHOOL OF ENVIRONMENT SCIENCE AND NATURAL RESOURCES

DOON UNIVERSITY, DEHRADUN

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Certificate

This is to certify that the Dissertation entitled “**Natural and Cultural Tourism in Sarnath, its Potential and Pitfalls**” submitted by **Annie Bisht (SEM-391)** has been done under my supervision. It is also certified that the work in this Dissertation embodies the original research and hard work of the candidate. The assistance and support received during the course of the investigation and all the sources of literature have been fully acknowledged.



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Declaration

I declare that the work presented in the Dissertation entitled 'Natural and Cultural Tourism in Sarnath, its Potential and Pitfalls' is being submitted to the Department of School of Environment Science and Natural Resources, Doon University, Dehradun for the award of Master in Environment Science is my original research work. The Dissertation embodies the results of investigations, observations, and experiments carried out by me. I have neither plagiarized any part of the dissertation nor have submitted the same work for the award of any other degree/diploma anywhere.

A handwritten signature in blue ink that reads "Anne Bisht". The signature is written in a cursive style and is underlined.

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I dedicate my thesis to my family- Mrs. Geeta Bisht, Mr. Jeewan Singh Bisht and my elder brother Alan Bisht.

-Annie Bisht

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**“An assessment of pollution caused by
Construction Activities: Perspective, status
and causes of pollution in Construction
Industries”**

Dissertation Synopsis

Submitted by

**Ankit Pokhriyal
SEMT-121**

In partial fulfilment for the award of the degree of

MASTERS OF TECHNOLOGY

In

ENVIRONMENTAL TECHNOLOGY



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2022

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1. Introduction

The back-bone of economic development is infrastructure. All construction sites generate high levels of pollution and this can carry for large distances over a long period of time. As per the Delhi Pollution Control Committee (DPCC) officials, **30 percent** of air pollution is caused due to dust which emanates from construction sites.²

I. Types of pollution at Construction Sites

Various construction activities like land clearing, operation of diesel engines, demolition, burning, and working with toxic materials contribute to environmental pollution.

- a) **Air pollution** - The air we breathe may be polluted due to the construction work. Apart from the noise, poor air quality is the most immediate pollution effect we may experience from a construction site. This means that airborne contaminants including contaminated particulate matter and volatile compounds are spreading around (mostly carried by wind) in the surrounding neighborhood (the main wind direction will influence the area most affected by air pollution around a construction site). Contaminants spreading around in air can travel large distances in a short time. The main construction contaminants that spread around by wind include PM₁₀ (particulate matter with a diameter less than 10 microns generating polluted dust), PAHs bound to particulate matter, VOCs (volatile organic compounds), asbestos, gases such as carbon monoxide, carbon dioxide, and nitrogen oxides.
- b) **Water pollution** - The surface water runoff and the groundwater close to a construction site become polluted with various materials used in the construction work. The following construction contaminants can pollute the water: VOCs, paints, glues, diesel, oils, other toxic chemicals, and cement. The immediate effect is creating turbidity in the runoff water and affected surface and groundwater (since some of the runoff water may infiltrate in the subsurface reaching the groundwater. In fact, both groundwater below home and surface runoff close to home may constitute a source of pollution emanating from the construction sites. Overall, water pollution from construction sites is underestimated and has potential to generate severe environmental problems.

² "Pollution Due to Construction. Is It Solvable?"

Internship Report on
“PERFORMANCE EVALUATION STUDY OF AN EFFLUENT TREATMENT
PLANT IN PHARMACEUTICAL INDUSTRY”

Submitted by

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In partial fulfilment for the award of the degree of

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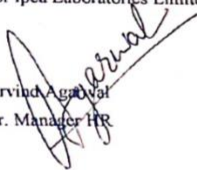
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study, is engaged in manufacturing of various bulk drugs and Active Pharmaceutical Ingredients (API). Wastewater samples were collected at different stages of treatment units and analyzed for the major water quality parameters, such as pH, Total Suspended Solids (TSS), Total Dissolved Solids (TDS), Chemical Oxygen Demand (COD), Biological Oxygen Demand (BOD) and Oil & Grease (O&G). CPCB Values of pH ranged 6.0-8.5, TSS is of 100 mg/l, BOD <30 mg/l, COD is of <250 mg/l and O&G is of 10 mg/l (Max.). All the parameters evaluated were in the permissible limits of Central Pollution control Board (CPCB). Hence, the treated effluent is used for irrigation purpose/ gardening purpose.

1. INTRODUCTION

Water is the main component which is used in all type of the Industries. Water is used for different processes in the industries. It may be used for washing, dilution, formation and condensing the steam. But all water used in the different industry is not totally consumed. Generally, almost all the industries generate waste water that needs urgent attention. Water use in industry is a double-edged sword. On one hand it puts immense pressure on local water resources. On the other, wastewater discharged from the industry pollutes the local environment. Water is required, often in large volumes, by industries as process inputs in

most industries. In other cases, like food and beverage and chloro-alkali industry, water is used as a raw material: turned into a manufactured product and exported out of the local water system. However, in most industries it is essentially used as input and mass and heat transfer media. In these industries a very small fraction of water is actually consumed and lost. Most of the water is actually meant for non-consumptive process uses and is ultimately discharged as Effluent.

1.1 Effluent Treatment Plant –

Industrial wastewater treatment covers the mechanisms and processes used to treat water that have been contaminated in some way by anthropogenic industrial or commercial activities prior to its release into the environment or its re-use. Most industries produce some wet waste although recent trends in the developed world have been to minimize such production or recycle such waste within the production process. However, many industries remain dependent on processes that produce wastewaters. So, industries produce wastewater, otherwise known as effluent, as a bi-product of their production. The effluent contains several pollutants, which can be removed with the help of an effluent treatment plant (ETP). The “clean” water can then be safely discharged into the environment. Advantages of wastewater systems-

Manufacturers face strict regulations on discharge and waste. Non-compliance can lead to expensive fees and operations interference. A wastewater treatment skid will help you:

- Stay in compliance
- Reduce hauling and off-site treatment costs
- Eliminate municipal fees
- Reduce supply costs by recovering production
- materials out of the waste-stream for re-use
- Eliminate unnecessary water usage during processing

1.2 Planning an Effluent Treatment Plant:

Factors to consider certain factories are required by law to install an ETP but deciding what type of ETP to install, what components it should contain and how it is best managed can be quite complicated. This chapter aims to present some simple ideas about treatment plants and offers



**INTERNSHIP REPORT ON 26 MLD STP,
LAKKARGHATH , RISHIKESH**



SUBMITTED TO – SENR, DOON UNIVERSITY

SUBMITTED BY – SUBHAM JOSHI

MTECH , 2nd YEAR (SEMT - 124)

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Project Manager

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ऋषिकेश

INTRODUCTION OF THE PROJECT

With the aim of making river Ganga clean and pollution free the Honourable Prime Minister , Mr . Narendra Modi inaugurated the various sewage treatment plants in the Uttarakhand state under Namami gange pariyojana (National mission for clean Ganga) in September 2020 . The 26 MLD STP is one of them plant located in the holy city, Rishikesh of the Uttarakhand .The plant is the biggest sewage treatment plant of the city Rishikesh which constructed within two years and came into operation in the year 2019 and operated by Uttarakahnd peyjal niagm.

The 26 MLD STP treats the wastewater coming from the Rishikesh area and allows wastewater from the five pumping stations located in various parts of the city .The five puming stations are located in Bapugram, Sarwara nagar , Mayakund , Bengali Basti , Triveni ghat.

Uttarakhand Peyjal Nigam gave contract to the company GDCL -EMIT JV for Design , Supply , Construction , Installation and Operation of 26 MLD capacity Sewage treatment plant using Sequence Batch Reactor (SBR) Technology at Lakkar Ghat , Rishikesh

Training Report on Quantitative and Qualitative Assessment of Fungal Aerosols in Wastewater

By:

Subhendu Chakraborty

M.Tech in Environment Technology (2nd Year)

Roll no: SEMT 123

Doon University, Dehradun

Mentor:

Dr. Rachna Jain

Scientist, CSIR-NEERI

Kolkata Zonal Center

Kolkata, WB



**DOON UNIVERSITY
DEHRADUN, UTTARAKHAND**





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कोलकाता क्षेत्रीय केन्द्र

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Date: 12/12/2022

To whomsoever it may concern

This is to certify that **Mr Subhendu Charaborty** pursuing, M. Tech Environmental Technology from Doon University, Uttarakhand has carried out project entitled, **"Quantitative and Qualitative Assessment of Fungal Aerosols in Wastewater"** at CSIR-NEERI, Kolkata Zonal Centre under the supervision and guidance of **Dr Rachna Jain**, Scientist, from 20/07/2022 to 19/10/2022.

Rachna Jain 12/12/22
(Dr Rachna Jain)

Scientist, CSIR-NEERI, Kolkata Zonal Center

Chapter- 1

1. INTRODUCTION

Bioaerosols are mainly suspended particles present in the air. They comprise plant and animal remain, fungal spore bacteria, and organic dust etc. (Heo et al. 2014; Martínez-Herrera et al. 2016). Bioaerosols contribute approximately 30% of “particulate matter (PM_{2.5} & PM₁₀)” in the air ((Faridi et al., 2015; Nowoisky et al., 2016). Different meteorological features like “temperature, RH, wind speed, and rainfall” may impact the bioaerosols particles. According to the size, fraction bioaerosols are divided into four types; “viruses (0.001-0.3 µm), bacteria (0.1-10µm), fungal spores (1-30µm) and pollen from plants (5-100µm)” (Gregory 1978; Huffman et al. 2009). Different types of bioaerosols are found in both “outdoor environments” and “indoor environments” (Hoe et al. 2014). The size of bioaerosols less than 5.0 µm has a long residential time and the large size of bioaerosols get quickly settle down on the surface area (Mohr, 2007). The concentration of bioaerosols depends on indoor and outdoor exchange rate. Composting and agriculture practices release dust containing fungal and bacterial components during the shredding, ploughing, and screening activity. Food storage houses may get contaminated by the mixture of fungi and bacterial strains e.g. *Mucor*, *Rhizophores*, *Aspergillus*, *Penicillium*, etc. (Yamaji et al., 2019).

1.1 Sources of bioaerosols

Bioaerosols are ubiquitous in nature. Atmosphere act like the transient home of the microorganism. Bioaerosols mainly originate from natural as well as different human activities (wenwerXie et al, 2020). According to the annual global budget report (Southern Germany), the concentration of “bacteria, fungi, and pollen are 28.1, 186, and 84 Tg/year”, respectively (Després et al., 2012). The primary sources of “bacteria, fungi, viruses, and biological compounds” in the air are animals, plants, aquatic bodies, soil, plant, and anthropogenic activities (Bowers et al., 2011b; Bowers et al., 2013; Szylak-Szydlowski et al., 2016)

1.1.1 Natural Sources:

LANDSLIDE MAPPING ALONG TLAWNG RIVER, MIZORAM, INDIA

Thesis submitted to the Department of Geology, Doon University in partial fulfilment of the requirement for the award of

M.Sc. GEOLOGY



Submitted by:

SANJANA SUBBA

M.Sc. GEOLOGY

Roll No: - MGL-07

Batch: 2021-2023

Supervised by:

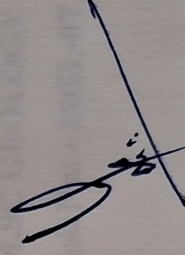
Dr. VIPIN KUMAR

ASSISTANT PROFESSOR

DEPT. OF GEOLOGY, DOON UNIVERSITY, DEHRADUN

CERTIFICATE

This is to certify that Miss **Sanjana Subba**, a student of **M.Sc. Geology** of Doon University, (Dehradun) has completed her dissertation under my supervision. During her dissertation, she worked on the topic "*Landslide mapping along Tlawng River, Mizoram, India*" to fulfill the basic requisite of Master's Degree in Geology. During the tenure of this work, her performance and conduct were up to the mark. I extend my best wishes for all her future endeavors.



Dr. Vipin Kumar
Assistant Professor,

Dept. of Geology, Doon University, Dehradun

SNOW COVER MAPPING IN DIN-GAD BASIN, CENTRAL HIMALAYA,
(UTTARAKHAND)

A

DISSERTATION

For the partial fulfilment of the degree of

MASTER OF SCIENCE

IN

GEOLOGY



DEPARTMENT OF GEOLOGY
DOON UNIVERSITY, DEHRADUN
UTTARAKHAND -248001

Submitted By

AYUSH MAURYA

M.Sc. IV SEMESTER

(2021-2023)



DOON UNIVERSITY, DEHRADUN
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This is to certify that MR. *AYUSH MAURYA*, student of M.Sc. Geology Doon University Dehradun, has successfully completed his dissertation on the topic “*SNOW COVER MAPPING IN DIN-GAD AND MANDAKANI BASIN*” at Doon University Dehradun, under my supervision in partial fulfilment of the requirement for the degree of Master in Science in Geology. for a period of four months from 20th March to 25rd June 2023.

Date: 13.06.2023

Place: Dehradun

Dr. Anshuman Misra

Assistant Professor
(SUPERVISOR)

Doon University
DEHRADUN-248001

ISOTOPIC CHARACTERISTICS OF BEAS RIVER WESTERN HIMALAYA, INDIA

**A Dissertation Submitted
In fulfillment of the requirements
for a Master's Degree**

**By
MANIKA
Student ID- MGL 08**

**Supervised by
*Dr. Rajeev Saran Ahluwalia***



**DEPARTMENT OF GEOL
DOON UNIVERSITY
DEHRADUN- 248001 (INDIA)
JUNE 2023**

CERTIFICATE

This is to certify that the dissertation entitled "Isotopic characteristics of Beas River, Western Himalaya, India" submitted by Manika to Doon University, Dehradun, India in partial fulfillment of the requirements for the award of the Degree of Master of Science is a bonafide record of original research work carried out by her under my supervision and guidance and is worthy of consideration for the award of the degree of Master of Science. The matter contained in this dissertation has not been submitted elsewhere for any degree or diploma.

A handwritten signature in black ink, appearing to read 'Gwalin', with a long horizontal stroke extending to the right.

Signature of the Guide

The Disruptive effect of E-commerce and Big Brands on Small Business Growth

**A Dissertation submitted to the
Department of Management, Doon University
For the Partial fulfilment of the requirements
For the degree of
Bachelor of Business Administration**

**By-
Pranav Rawat**

**Under the supervision of
Dr. Jayati Nathani
Dr. Prabhat Kumar Singh**



**School of management, Doon University
Dehradun- 248001 India**

Certificate

This certifies that **Pranav Rawat** has successfully completed and defended their dissertation titled "**The Disruptive Effect of E-commerce and Big Brands on Small Business Growth**" as part of the requirement for the degree of **Bachelor of Business Administration** at **Doon University**.

This dissertation demonstrates a comprehensive understanding of the topic and showcases original research, critical analysis, and thoughtful insights into the disruptive effect of e-commerce and big brands on small business growth. The research conducted by **Pranav Rawat** significantly contributes to the existing body of knowledge in the field, offering valuable insights into the challenges and opportunities that small businesses face in the rapidly evolving digital landscape. This study highlights the dynamic nature of the digital realm and its impact on small businesses, providing a deeper understanding of the complex dynamics involved in their operations.

The committee and academic advisors commend **Pranav Rawat** for their exemplary work, dedication, and intellectual rigor demonstrated throughout the research and defines process. The dissertation presents a well-structured argument, supported by extensive literature review, data analysis, and a nuanced exploration of the topic's implications for small business owners, entrepreneurs, and the broader economic landscape.

By successfully completing this dissertation, **Pranav Rawat** has exhibited a high level of academic achievement, research competence, and critical thinking skills. **Pranav Rawat's** work reflects the values of academic excellence and commitment to scholarly pursuits upheld by **Doon University**.

Date: 1st April 2023

HOD:

Doon University

Introduction

Small businesses are small-scale companies that are owned and operated by individuals or a small group of people. They are smaller in size compared to large corporations and have fewer employees, lower revenue, and a smaller share of the market. Small businesses can be found in various industries such as retail, services, hospitality, manufacturing, and technology.

The definition of a small business may vary across countries and industries, typically considering factors such as the number of employees, annual revenue, and asset value. For instance, in the United States, the Small Business Administration (SBA) utilizes industry-specific size standards to establish the qualification of a business as small.

Small businesses are essential to the economy as they generate employment, drive innovation, and make significant contributions to local communities. One of the strengths of small businesses is their ability to provide personalized products or services, adapt quickly to changes in the market, and build strong relationships with customers.

However, small businesses also face specific challenges. These can include limited financial resources, difficulties in obtaining funding, competition from larger companies, complying with regulations, and keeping up with technological advancements. Despite these challenges, small businesses can succeed by employing effective strategies, embracing innovation, and being adaptable to changes in the business environment.

In summary, small businesses are smaller-scale enterprises that are independently owned and operated. They make important contributions to the economy and have unique strengths, but they also face specific challenges. With the right approach and the ability to adapt, small businesses can thrive and make a significant impact.

E-commerce, which stands for electronic commerce, is a way of buying and selling things using the internet. Instead of going to a physical store, people can use their computers or mobile devices to shop online. Businesses can show their products or services on websites or online marketplaces, and customers can browse through them, compare prices, and make purchases with just a few clicks.

E-commerce has many advantages. For businesses, it means they can reach customers all around the world without needing a physical store in every

CERTIFICATE

This is to certify that **Mr.Kaif Ansari (IMBA 49)**, student of faculty of management has successfully completed her end semester dissertation on **“Travel And Tourism Industry In India”** in partial fulfillment of the requirements of **BBA programme of Doon University**. This is his original work and has not been submitted elsewhere.



Dr. Prabhat Kumar

A Dissertation Report On

Travel And Tourism

Industry In India

Project Report Submitted to

DOON UNIVERSITY

*In partial Fulfillment of the
requirement for the award of the
degree of*

BACHELOR OF BUSINESS

ADMINISTRATION

Submitted by

KAIF ANSARI (IMBA 49)

Under the Supervision of

Dr. Prabhat Kumar



School Of Management

DOON UNIVERSITY

CHAPTER 1

INTRODUCTION

What is Tourism?

Tourism is a multifaceted industry that encompasses various activities and experiences related to travel and exploration. It involves individuals or groups of people traveling to different destinations, whether within their own country or internationally, for leisure, business, or other purposes. Tourism revolves around the idea of discovering new places, cultures, and natural wonders, providing individuals with the opportunity to broaden their horizons and gain new perspectives. Tourism plays a crucial role in the economy of many countries, contributing significantly to employment, foreign exchange earnings, and overall economic growth. It involves a wide range of sectors, including transportation, accommodation, food and beverage, entertainment, and attractions, all working together to create memorable experiences for visitors. One of the key aspects of tourism is the exploration of tourist attractions and destinations. These can include iconic landmarks, historical sites, natural wonders such as mountains, forests, and beaches, cultural heritage sites, museums, theme parks, and more. Tourists often engage in activities like sightseeing, hiking, water sports, wildlife watching, and participating in local traditions and festivities. Tourism also promotes cultural exchange and understanding between different regions and societies. Visitors have the opportunity to interact with local communities, experience their customs and traditions, and learn about their way of life. This cultural

A Dissertation Report On Small Scale Industries

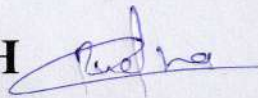
Dissertation submitted to
Doon University

*In partial fulfillment of the requirement
for the award of the degree of*

BACHELOR OF BUSINESS ADMINISTRATION

Submitted by

RUDRAPRATAP SINGH
(IMBA-41)



Under the supervision of
Dr . Prabhat Kumar Singh

**SCHOOL OF MANAGEMENT
DOON UNIVERSITY**

CERTIFICATE OF ORIGINALITY

This is to certify that the project report entitled **“SMALL SCALE INDUSTRIES”** is a bonafide record of project done by **RUDRA PRATAP SINGH**, IMBA41, under my guidance and supervision in partial fulfillment of the requirement for the award of the degree of BACHELOR OF BUSINESS ADMINISTRATION and it has not previously formed the basis for any Degree, Diploma and Associateship or Fellowship.

Dr. Prabhat Kumar
Project Guide

1.1 INTRODUCTION

SMALL SCALE INDUSTRIES

A tiny enterprise is a company that employs a few people and doesn't generate a large volume of revenue.

These businesses are typically in the private sector and provided with sole property rights, unions, or partnerships

.Due to their potential for employment and contributions to total industry production and exports, small and domestic industries have taken on significant importance in the Indian economy.

The Indian government has taken a number of actions to support them.

However, with the new regulations, small and domestic industries are now subject to both internal and external rivalry.

Between the small and domestic industries, there is no obvious distinction.

However, it is often believed that the home-based business is maintained entirely or mostly with the assistance of the family members.

Leasehold work is used in comparison to its modest industry. Additionally, industries are generally coupled with agriculture and provide support jobs in rural areas. When compared to it, small scale units are primarily found in metropolitan areas.

The impact of E-commerce in emerging market(DECATHLON)

**A DISSERTATION SUBMITTED TO THE
DEPARTMENT OF MANAGEMENT, DOON UNIVERSITY
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
BACHELOR OF BUSINESS ADMINISTRATION**

BY

**Nitin pant
(IMBA 51)**



**UNDER THE SUPERVISION OF
DR. JAYATI NAITHANI & DR. PRABHAT KUMAR**



SCHOOL OF MANAGEMENT, DOON UNIVERSITY

KEDARPURAM, DEHRADUN- 248001, INDIA

MAY 2023



CERTIFICATE

This is to certify that Nitin Pant's project report titled "THE IMPACT OF E-COMMERCE IN EMERGING MARKETS, A SPECIAL STUDY AMONG THE COLLEGE STUDENTS OF Doon University" is an authentic record of the work completed under my direction and supervision in part fulfilment of the requirement for the award of the degree previously known as "BACHELOR OF COMMERCE," and it has not served as the foundation for any degree,

DR PRABHAT KUMAR
Project Guide

1.1 INTRODUCTION

E-commerce is more than just the combination of electronics and commerce. It represents a completely new method of conducting business through a platform that modifies the basic rules of conducting business. As a result, strategy and business management are significantly more important than technology. E-commerce and the internet can be tools for assuring future sustainable economic growth if they are properly used for development. Electronic commerce will undoubtedly have a significant impact on global economies and societies, which will undoubtedly lead to an improvement in economic efficiency, competitiveness, and profitability (for those who engage in e-commerce) and, ultimately, the emergence of the information society. E-commerce and other rapidly developing digital technologies and services have the potential to improve millions of people's quality of life

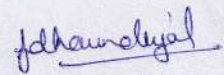
. The true driving force behind the Internet revolution was the fundamental shift in market power from the seller to the buyer. Customers' expectations have changed significantly in the new economy. An organization's understanding of how to enhance economic and social development globally through initiatives and programmes that connect remote regions and bring together scientists, administrators, development specialists, managers, and people. Success will depend on how well it can take advantage of this disparity. The internet, the web, and other modern computing and communication technologies have completely changed how businesses operate by removing geographical and temporal boundaries and creating new virtual communities of suppliers and customers who have different needs for goods and services. E-business only includes a small portion of e-commerce. Companies used to have websites where they could display their goods before beginning to use e-commerce as a channel for distribution in addition to their current e-commerce sales system. All business operations conducted through the use of electronic media, specifically computer networks, are referred to as electronic commerce, or e-commerce. It entails using electronic media for business purposes, making use of

Project Dissertation Report on

**AN ANALYTICAL STUDY OF E-COMMERCE
IN INDIA WITH PARTICULAR REFERENCE
TO FLIPKART**

Submitted By:

Priyanka Dhaundiyal



IMBA63



Doon University

CERTIFICATE FROM THE INSTITUTE

Priyanka Dhaundiyal IMBA63 completed the project report titled "AN ANALYTICAL STUDY OF E- COMMERCE IN INDIA WITH PARTICULAR REFERENCE TO FLIPKART" and submitted it to DOON UNIVERSITY, School of Management, in partial fulfilment of the requirements for the award of the degree of Bachelors of Business Administration.



Signature of Guide

Asst. professor

Dr. Prabhat Kumar

Signature of Head

Place:

Date:

CHAPTER -1

1. INTRODUCTION

Online shopping is the process whereby consumers directly buy goods, services etc. from a seller interactively in real-time without an intermediary service over the internet. Online shopping is the process of buying goods and services from merchants who sell on the Internet. Since the emergence of the World Wide Web, merchants have sought to sell their products to people who surf the Internet. Shoppers can visit web stores from the comfort of their homes and shop as they sit in front of the computer. Consumers buy a variety of items from online stores. In fact, people can purchase just about anything from companies that provide their products online. Among the hundreds of items customers can purchase from an online store are books, clothes, furniture, toys, hardware, software, and health insurance.

Even if internet shopping is convenient, not everyone opts to buy goods and services there. Some consumers prefer the thought of physically visiting a store and engaging in the purchasing experience. They enjoy interacting with others, trying on clothes, and interacting with the merchandise. Customers cannot interact socially or touch items when they shop online. Additionally, it prohibits people from bringing the goods home the same day they purchase them.

Online shopping offers products that are not available in stores and lets you browse through countless options. Online shoppers are sure to get what they're looking for if they're seeking for a speciality item that might not be sold nearby. The opportunity to compare products, whether similar or not, online is much more helpful. He may compare material quality, sizes, and prices while simultaneously searching across multiple stores.

Instantaneous online purchasing transactions allow you to complete other errands while saving time! Additionally, unlike a physical store, online shopping has courteous customer service representatives who are accessible around-the-clock, every day of the week, to help you find, buy, and ship your item.

STUDY OF DEMATEL METHOD AND IT'S APPLICATION IN IDENTIFYING CRITICAL SUCCESS FACTORS IN HEART FAILURE SELF-CARE

*A project submitted in partial fulfillment of the requirements for the degree of
Master of Science in Mathematics*

Submitted by:

Kunal Yadav
(18-MA-15)

Supervisor:

Dr. Komal

Assistant Professor

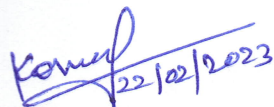


Department of Mathematics
Doon University, Dehradun
Uttarakhand

February 2023

Certificate

This is to certify that the project titled "STUDY OF DEMATEL METHOD AND IT'S APPLICATION IN IDENTIFYING CRITICAL SUCCESS FACTORS IN HEART FAILURE SELF-CARE" being submitted by Kunal Yadav(18-MA-15), of M.Sc.integrated Mathematics, IX semester is a record bonafied work carried out under my supervision. The results in this report have not been submitted to any other university for the award of any degree.


22/02/2023

Dr. Komal
Supervisor
Assistant Professor
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Dr. A.R. Gairola
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Chapter 1

Introduction

Heart failure (HF), identified as the final common pathway of many cardiovascular diseases, is a condition with high prevalence and mortality, affecting about 26 million adults worldwide. Approximately, 17–45% of hospitalized patients with HF die within a year of admission, and most die within 5 years of admission, hence self-care is essential in the long-term management of HF. Self-care is defined as the process of maintaining health through health promoting practices, and monitoring and managing symptoms when they occur.

The primary means of managing HF outside the hospital is patient self-care[1], so appropriate self-care can minimize poor health and avert cardiac crisis. Despite the obvious relationship between good self-care and positive health outcomes, many patients have difficulty following self-care recommendations. Lack of adherence to self-care behaviors in patients with HF may be due to the complexity of the process, lack of a complete understanding of the need for self-care, long-term behavioral changes, lack of motivation, patient-related factors such as age, lack of knowledge, or barriers associated with healthcare professionals.

One challenge faced by clinicians is to understand the complex self-care process so to develop interventions that support patients and their caregivers in maintaining and managing patient health. Common ways to identify the factors associated with HF self-care are not able to clarify the associations between the factors. To understand the complexity of HF self-care structure and optimize interventions for higher impacts. It is necessary to segment HF self-care into meaningful factors so as to find out their relationship and promote the whole process stepwise.

Referring to literatures is a feasible approach to extracting factors influential on HF self-care. A more feasible way is to clarify the association between factors and to find out the most sensitive and important ones, also called critical success factors (CSF), having the highest influence on the whole HF self-care process. If these factors are improved, the efficiency of HF self-care management can be greatly improved.

A Study on Fuzzy MOORA Approach for Multi-Criteria Decision Making and its Application

*A project submitted in partial fulfillment of the requirements for the degree of
Master of Science in Mathematics*

Submitted by:
Soumya Negi (21-MA-56)

Supervisor:
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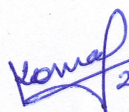


Department of Mathematics
Doon University, Dehradun
Uttarakhand

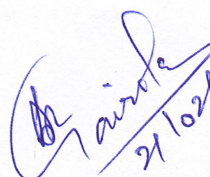
22nd February 2023

Certificate

This is to certify that the project titled "A Study on Fuzzy MOORA Approach for Multi-Criteria Decision Making and its Application" being submitted by Soumya Negi (21-MA-56), of M.Sc. Mathematics, III semester is a record bonafide work carried out by her under my supervision. The results in this report have not been submitted to any other university for the award of any degree.

 21/02/2023

Dr. Komal
Supervisor
Assistant Professor
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 21/02/23

Dr. A.R. Gairola
Head of Department
Assistant Professor
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Incharge Head

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SOPS, Doon University

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Chapter 1

Introduction

The widespread changes and increasing complexity of today's environment have brought the decision-making process in organizations with many challenges. The issues faced by organizations in the real world are such that it is virtually impossible to make the optimal decision based on a single criterion, leading to unrealistic decisions (Mardani et al., 2017 ; Zavadskas et al., 2014, 2015). Multicriteria decision making (MCDM) is a growing field of operations research both from theoretical and implementation perspectives. The importance of MCDM can be drawn from Zeleny : "it has become more and more difficult to see the world around us in a uni-dimensional way and to use only a single criterion when judging what we see. We always compare, rank, and order the objects of our choice with respect to multiple criteria of choice."

In general, the decision making process could be considered as the process of choosing the best option (alternative) among the finite set of options based on the finite set of criteria. The involvement of multiple criteria in the decision-making process, which are sometimes in conflict with each other, has brought this process into a great deal of complexity, making it a major challenge for organizational decision-makers (Garg, 2017).

In recent decades, researchers have developed several methods as multi criteria decisionmaking (MCDM) till overcome these complexities and facilitate the decision-making process in these situations, which their effectiveness for solving complex issues has been explained in various management and technical fields (Garg, 2017; Mardani et al., 2016). Using such methods increases the efficiency, transparency, and logic of the decision-making process and greatly improves the quality of the decisions made. Due to the rapid development of the business environment, the multicriteria decision-making field has been accompanied by a dramatic growth in the last decade.

So far, numerous MCDM methods have been suggested by different researchers, each with its own advantages and disadvantages. Some of the most well-known MCDM methods that have been presented are: Analytic Hierarchy Process (AHP) (Saaty, 1990), Technique for Order of Preference by Similarity to Ideal Solution (TOPSIS) (Hwang and Yoon, 1981), Complex Proportional Assessment (COPRAS) (Zavadskas et al., 1994), additive ratio assessment (ARAS) (Zavadskas and Turskis, 2010), weighted aggregated sum product assessment (WASPAS) (Zavadskas et al., 2012), evaluation based on distance from average solution (EDAS) (Keshavarz Ghorabace et al., 2015),

NUMERICAL STUDY OF THROMBUS AFFECTED COMMON CAROTID ARTERY (CCA) DURING COVID-19

DISSERTATION

SUBMITTED TO

SCHOOL OF PHYSICAL SCIENCES

DOON UNIVERSITY, DEHRADUN

IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD
OF THE DEGREE OF

MASTERS

IN

MATHEMATICS

BY

SAKSHI KANDWAL



DEPARTMENT OF MATHEMATICS

SCHOOL OF PHYSICAL SCIENCES

DOON UNIVERSITY, DEHRADUN

UTTARAKHAND (INDIA)

2023

CERTIFICATE

This is to certify that the Dissertation entitled 'Numerical study of thrombus affected common carotid artery (CCA) during COVID-19' submitted by Sakshi Kandwal has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.


Dr. Sarita Singh

Supervisor

Assistant Professor

Department of Mathematics

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Doon University, Dehradun


Dr. A.R. Gairola

Head of Department

Assistant Professor

Department of Mathematics

School of Physical Sciences

Doon University, Dehradun

Expert: Dr. Chandra Thapliyal Nautiyal

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INTRODUCTION

Over the last year, COVID-19 has been the most widely spoken and researched disease worldwide and, inevitably, other existing pathologies were moved to the background. Amongst these, cardiovascular diseases (CVDs) should be highlighted because they still are by far the major contributor to global mortality. CVDs are mainly caused by a blockage that prevents the blood from flowing properly, known as atherosclerosis. This is a complex disease that affects the medium and large size arteries and consists of a build-up of fatty deposits on the inner walls of the blood vessels, hampering the blood flow through the body. The effect of atherosclerosis can be exacerbated by other diseases that affect blood circulation. Particularly, it has been shown that patients with COVID-19 are prone to develop clots on both arteries and veins, and thus atherosclerosis may be even more important factor to global mortality.

A floating carotid thrombus (FCT) is defined as an elongated thrombus, attached to the arterial wall without complete intraluminal occlusion. Common carotid location of floating thrombus is rare, which is associated with a high risk of early ischemic stroke. During the COVID-19 pandemic, some patients with COVID-19 exhibited thromboembolic complications, including acute ischemic stroke (AIS), which was often associated with a poor prognosis.

There are two main approaches for stimulating blood flow, computational fluid dynamics (CFD) and fluid-structure interaction (FSI). In the first one, the arterial wall is assumed rigid, while in the second one, arteries are considered elastic and the interaction between the blood and the arterial walls are included in the simulation. Although CFD has been widely applied in the study of blood flow under pathological conditions in virtue of lower computational cost, since FSI provides a more realistic simulation of the human vasculature behavior, it has received increasing interest. Nonetheless, this approach requires significantly more computational effort, and the foremost difficulty is stability and convergence. The CVD includes both carotid artery disease and coronary artery (heart) disease. While coronary artery disease reduces blood flow to the heart and cause a heart attack, carotid artery disease reduces the present study, we have presented a numerical study of thrombus affected common carotid artery (CCA).

A New Variant of Mixed Szász-Beta Operators

*A dissertation submitted in partial fulfillment of the requirements for the degree of
Master of Science in Mathematics*

Submitted by:

Preetam Singh & Kangana Jaiswal
(18MA-24) (21MA-53)

Supervisor:

Dr. A.R. Gairola

Assistant Professor



Department of Mathematics
Doon University, Dehradun
Uttarakhand

June 2023

Certificate

This is to certify that the dissertation titled "A New Variant of Mixed Szász-Beta Operators" being submitted by Preetam Singh (18MA-24), Int. M.Sc. Mathematics 10th semester and Kangana Jaiswal (21MA-53), M.Sc. Mathematics 4th semester, is a record bonafied work carried out by both under my supervision. The results in this report have not been submitted to any other university for the award of any degree.

Chanda
16/6/23

Expert: Dr. Chanda Deepiyal Nautiyal

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A NEW VARIANT OF MIXED SZÁSZ - BETA OPERATORS

1. Introduction

In 1995, V. Gupta, G.S. Srivastava and A. Sahai [1] defined a new kind of linear positive operators by combining Szász- operators and Beta operators to approximate Lebesgue integrable functions on $[0, \infty)$ and obtain the rate of convergence in simultaneous approximation as

$$(1) \quad B_n(f; x) = \sum_{k=0}^{\infty} p_{n,k}(x) \int_0^{\infty} b_{n,k}(t) f(t) dt, \quad x \in [0, \infty)$$

where

$$p_{n,k}(x) = e^{-nx} \frac{(nx)^k}{k!} \text{ and } b_{n,k}(t) = \frac{1}{B(k+1, n)} \frac{t^k}{(1+t)^{n+k+1}},$$

$B(k+1, n)$ denotes the Beta function given by $\Gamma(k+1)\Gamma(n)/\Gamma(k+n+1)$.

Now we introduced a new variant of Szász- Beta operator by modifying the kernels of Szász and Beta operators using sequences (α_n) and (β_n) as follows :

$$(2) \quad L_n(f; x) = \sum_{k=0}^{\infty} S_{\alpha_n, k}(x) \int_0^{\infty} b_{\beta_n, k}(t) f(t) dt$$

where, $S_{\alpha_n, k}(x) = e^{-\alpha_n x} \frac{(\alpha_n x)^k}{k!}$, $b_{\beta_n, k}(t) = \frac{1}{B(\beta_n, k+1)} \frac{t^k}{(1+t)^{\beta_n+k+1}}$ and $f \in [0, \infty)$; $\lim_{t \rightarrow \infty} \frac{f(t)}{e^{\alpha_n t}} < \infty$.

Here (α_n) and (β_n) satisfying the following conditions:

- (a) $\beta_n \rightarrow \infty$,
- (b) $\frac{\alpha_n}{\beta_n - 1} \rightarrow 1$ as $n \rightarrow \infty$.

We denote $C_B[0, \infty)$ the space of real valued bounded continuous function f on the interval $[0, \infty)$, the norm on the space is defined as

$$\|f\| = \sup_{0 \leq x < \infty} |f(x)|.$$

Let $W^2 = \{g \in C_B[0, \infty) : g' \in A_{loc}[0, \infty)\}$. The Peetre's K -functional is defined as

$$K_2(f, \delta) = \inf_{g \in W^2} \{\|f - g\| + \delta \|g''\|\}, \quad \delta > 0.$$

There is an absolute constant $C > 0$ such that (see DeVore and Lorentz [2], p.177, Theorem 2.4)

$$K_2(f, \delta) \leq C \omega_2(f, \delta),$$

where, for $f \in C_B[0, \infty)$ a usual modulus of continuity is given by

SUMMER INTERNSHIP REPORT
ON
DIGITAL MARKETING
AT
FATPOS GLOBAL PVT LTD.
OF
MASTER OF BUSINESS ADMINISTRATION
DOON UNIVERSITY



UNDER THE GUIDANCE OF: - DR. JAYATI NAITHANI
SUBMITTED BY: - MANISH SINGH KORANGA
MBA 3RD SEMESTER
MBA 165

BATCH 2021-2023
SCHOOL OF MANAGEMENT

CERTIFICATE



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Date: August 20, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Manish Koranga from, has done her Doon University as Marketing Executive at Fatpos Global Pvt. Ltd. Dehradun from **June 20, 2022, to August 23, 2022**

During her internship, she undertook the following

- o Design, build and maintain our social media presence
- o Assist with the execution and planning of marketing offers
- o Prepare documentation & database of efficient marketing avenues

During the internship, he demonstrated good analytical & communication skills with a self-motivated attitude to learn new things. His performance exceeded expectations and was able to complete the project successfully and on time.

We wish him all the best in his future endeavors.



Priya Behl - HRM
Human Resource Manager
Fatpos Global Private Limited

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www.fatposglobal.com



दून विश्वविद्यालय

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
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Mothrowala Road Kedarpur, P.O. Defence Colony,
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CERTIFICATE

This is to certify that the MBA Student entitled "Online Marketing and Brand Awareness: Fatpos Global" submitted by Mr. Manish Singh Koranga has been done under my supervision. It is also certified that the work in this Report embodies original research and hard work of the candidate.

The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.

Jayati

13th Dec' 2022

Dr. Jayati Naithani

Assistant Professor

School of Management

ACKNOWLEDGEMENT

It gives me immense pleasure to express my deepest sense of gratitude and sincere thanks to our highly respected and esteemed guides Mr. Millind Khangan, Head of the Digital Marketing Department for their valuable guidance, encouragement, and help in completing this work. Their useful suggestions for this whole project and cooperation are sincerely acknowledged. I owe my deep sense of gratitude to **Mr. Akash Naithani** Chief Executive Officer at Fatpos Global for providing me an opportunity to conduct the Internship work at the organization. I am also grateful to our teacher **Dr. Jayati Naithani** for their constant support and guidance. In the end, we would like to express our sincere thanks to all our friends, colleagues, and others who helped us directly or indirectly during this project.

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ABBREVIATIONS

SEO - Search Engine Optimization
SEM - Search Engine Marketing
CMS - Content Management System
SMM - Social Media Marketing
SERPs - Search Engine
ERD - Entity Relation Diagram
DU - Doon University
MBA - Master of Business Administration
UML - Unified Modeling Language
DFD - Data Flow Diagram
PHP - Hypertext Preprocessor
HTML - Hypertext Markup Language
CSS - Cascading Style Sheet
IT - Information Technology
ICT - Information Communication Technology
OTA - Online Travel Agency
CTO - Chief Technology Officer
PC - Personal Computer
ROI - Return on Investment
KPI - Key Performance Indicators
LTV - Life Time Value
B2B - Business To Business
PPC - Pay Per Click

CHAPTER 1: INTRODUCTION

Introduction to Internship

An internship is on-the-job training for post-graduate students that helps to enhance the practical and real-world experience under the guidance of the supervisor or professional in a certain field and helps to identify potential career opportunities. The internship report is prepared for the partial fulfillment of a Master of Business Administration (MBA), a post-graduate degree awarded by Doon University. The internship program is highly effective for the students to attain real-world experience, understand the organization's structure and culture, and enhance their career opportunities. Taking about my personal information, this program has allowed me to work in a real-world scenario and help me to enhance my skill, knowledge, and attitude. The internship in the field of information technology helps to increase exposure and in-depth knowledge of the respective technical platform.

The technical industry is growing rapidly, and recent technology is emerging at the speed of time so, the skill and knowledge gained in college are not enough to compete in the market. We need some real-world experience in the industry and the internship program helps the students to gain professional experience. In the MBA course, we learn various subjects such as Marketing Management, Consumer Behaviour, Business environment, Business Communication, Accounting, Business Finance, Organizational Behaviour, etc.; in the internship program we must try to implement those learning to produce a fruitful outcome.

Background

An internship program is a special course that provides students with the opportunity to become familiar with the organizational setting. It is designed to develop the students personally and professionally. It allows the proper market and job exposure to the students and also enables them to meet and build network with professionals. It enables the students to understand organizational behavior and sharpen their practical knowledge and skill which will grant them confidence and experience that can be used

CHAPTER 6: CONCLUSION

From the internship program, I get much benefited by having real-world experience in the Software and Web Development Company where the I can implement concepts and logic learned during the study period. Within this short span of time, web development and analysis activities have been observed and learned, which taught the significance of relation, leadership traits, and other managerial and advertisement skills. The greatest thing that was learned doing an internship is how to accomplish the task of doing it in a team, how to make the best use of the internet, how to use different tools to gain efficiency, and how to do code so that is in standard according to presence had been highly significant on the search engine, with good content, proper placement of keywords, and an appreciable number of visits to inbound links, hits, clicks, and impressions. The exposure to the practical environment has increased my experience and confidence to deal with various organizational communications with customers. The system developed, or more precisely the website optimized by studying the existing system and client expectations has improved and given more boundaries to analyze and system to develop software. I have learned to perform amazingly at the presentation and has developed his demonstration skills as well. With this, I have gained knowledge of the practical environment of the organization that he has been part of which has boosted the wisdom of organizational discipline and time management. Finally, the internship program has increased my skill to communicate and report to those parties in time regarding any kind of issues that are dealt with in the organization and build up the confidence level to work in team and real-world projects.

SUMMER INTERNSHIP PROJECT REPORT

On

STUDY ON PERFORMANCE APPRAISAL SYSTEM IN ONGC

ONGC, Dehradun

Submitted for the partial fulfillment of the requirement for the award of degree of

Master of Business Administration

Of

DOON UNIVERSITY

Dehradun



UNDER THE GUIDANCE OF: -

Dr. Ashish Sinha

Assistant Professor

School of Management

Doon University

Mr. Vipon Kumar

Chief Manager (HR)

ONGC

Submitted by:

Vaibhav Bijlwan

MBA 3rd Sem

Batch 2021-23

School of Management

Doon University

Dec, 2022



CERTIFICATE

This is to certify that the Summer Training Project Report entitled "STUDY ON PERFORMANCE APPRAISAL SYSTEM IN ONGC", submitted to Doon University, is an authentic record of bona-fide work carried out by Vaibhav Bijlwan (MBA), under my supervision.

The matter embodied in this report has not been submitted for the award of any other degree or diploma to any University.

DATE:-

DR. ASISH SINHA

Assistant Professor

School of Management

Doon University

DECLARATION

This is to certify that this internship report entitled "A Study on Performance Appraisal (E-AR) of Executives at ONGC, Green Hills, Tel Bhawan, Dehradun" under the guidance of Dr. Shashi Sinha, Assistant professor, School of Management, Doon University and Mr. Vipon Kumar, Chief Manager (HR), ONGC is in the partial fulfilment of the requirement for the award of the degree of Master in Business Administration (MBA) from Doon University, Dehradun. This is an original work and I have not submitted it earlier elsewhere.

Vaibhav Bijlwan
MBA-3rd semester

PREFACE

As an integral part of the curriculum, I student of MBA(HR) , need to get exposed to the Human Resource Environment to get a better understanding of Human Resource Management by way of undergoing practical training.

I consider myself fortunate enough that I had an opportunity to carry out my study in ONGC at its Headquarters, Tel Bhawan, Dehradun for gaining substantial knowledge of Performance Appraisal”.

A progressive and forward-looking organization strives for the improvement of the system and procedure so as to improve the organizational effectiveness. ONGC is one of the pioneers in exploration, drilling and production of Oil and Natural Gas.

ONGC has a unique distinction of being a company with in-house service capabilities in all the activity areas of exploration and production of Oil & Gas and related oil field services.

Needless to emphasize, this was made possible by the human power behind the machine. They include Geologists, Geochemists, Drilling Engineers, Reservoir Engineers, Petroleum Engineers, Production Engineers, Engineering & Technical Service providers, Financial and Human Resource experts, IT professionals and so on.

Human Resource is the major asset of any organization. ONGC has more than 33,000 employees, management of such a vast number requires a proper mix of human technical and conceptual skills to be effective and meet the organizational goal. In the present report, an attempt has been made to study “Performance Appraisal of Executives in ONGC”.

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ONGC was set up under the visionary of Pandit Jawaharlal Nehru. Pandit Nehru's unshakable faith in Shri Keshav Dev Malviya who laid the foundation of ONGC in the form of Oil and Natural Gas division, under Geological Survey of India, in 1955. A few months later, it was converted into an Oil and Natural Gas Directorate. The Directorate was converted into a Commission and christened Oil & Natural Gas Commission on 14th August 1956. In 1994, Oil and Natural Gas Commission was converted into a Corporation, and in 1997 it was recognized as one of the Navratnas by the Government of India. Subsequently, it has been conferred with Navratna status in the year 2010.

ONGC's core business is exploration of hydrocarbons in India. ONGC explores and produces Oil & Natural Gas from desert & deep oceans. ONGC is India's largest producer of crude oil, natural gas, LPG etc. It also produces other value added petroleum products such as naphtha, C2 - C3 (entire propane) aromatic rich naphtha and kerosene internally. ONGC wholly owned subsidiary ONGC Videsh Ltd. (OVL) has a number of existing and upcoming projects of interest in selected oil blocks purchase development a large gas field discovered by it in Vietnam offshore.

HISTORY OF ONGC

1961-1990 :-

Since its inception, ONGC has been instrumental in transforming the country's limited upstream sector into a large viable playing field, with its activities spread throughout India and significantly in overseas territories. In the inland areas, ONGC not only found new resources in Assam but also established new Oil province in Cambay Basin (Gujarat), while adding new petroliferous areas in the Assam - African Fold Belt and East Coast Basins (both inland and offshore).

ONGC went offshore in early 70's and discovered a giant Oil field in the form of Bombay High, now known as Mumbai High. The discovery, along with subsequent discoveries of huge Oil and gas field in Western offshore changed the Oil scenario of the country. It is involved in exploring for and exploiting hydrocarbons in 26 sedimentary basins of India, and owns and operates over 11,000 kilometers of pipelines in the country. Its international subsidiary ONGC Videsh currently has projects in 15 countries. ONGC has discovered 6 of the 7 commercially-producing Indian Basins, in the last 50 years, adding over 7.1 billion tons of In-place Oil & Gas

CONCLUSION

Oil and Natural Gas Corporation Limited (ONGC) is focused in making Performance Appraisal a unique and a better system. By implementing e-PAR, ONGC has carved a niche for itself amongst all the public sector undertakings. plication

By introducing e-PAR, ONGC has gained confidence and trust of its employees. This has been achieved by making Performance appraisal system more transparent, fast, reliable and user friendly.

The Appraisal process provides an opportunity for development and growth to its employees. Employees are able to identify the Performance gaps by analyzing their ratings on different parameters i.e. KRA's and KPI's and thus it helps them to improve their skills and weak points. This makes them ready to take up future challenges.

SUMMER INTERNSHIP PROJECT REPORT
On
CUSTOMER RELATIONSHIP MANAGEMENT AND RETENTION
WITH MULYA CREATIONS
SUBMITTED FOR PARTIAL FULFILLMENT OF THE REQUIREMENT
OF
MASTER OF BUSINESS ADMINISTRATION
Of
DOON UNIVERSITY
DEHRADUN



Under the Guidance of
Dr. PRABHAT KUMAR SINGH
ASSISTANT PROFESSOR
COMPANY GUIDE:
MS. ALISHA MAINDOLIYA
FOUNDER

Submitted by
PRANJAL NEGI
MBA-136

(Batch: 2021-23)
SCHOOL OF MANAGEMENT
DOON UNIVERSITY
DECEMBER 2022



CERTIFICATE OF COMPLETION

this is to certify that

Pranjal Negi

has successfully completed his internship at Mulya creation,
from 10 august 2022 to 30 September 2022.

During his internship, he demonstrated his
skills with self-motivation to learn new skills.
We wish him all the best in his upcoming career.


ALISHA MAINDOLIYA
FOUNDER

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दून विश्वविद्यालय

DOON UNIVERSITY

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CERTIFICATE FROM FACULTY GUIDE

I have the pleasure in certification that **Mr. Pranjal Negi** is a student of Doon University of the master's degree in Business Administration (MBA). His University Roll No. **MBA-136**

He has completed his Internship Report titled as “**Customer Relationship Management and Retention with Mulya Creation**” under my guidance.

I certify that this is his original efforts & has not been copied from any other source. This project has also not been submitted in any other university for the purpose of award of any Degree.

This project fulfils the requirement of the curriculum prescribed by Doon University, Dehradun, for the said course.

I recommend this Internship Report for evaluation & consideration for the award of Degree to the student.

Prabhat
13/12/22
Signature

Name of the Guide: Dr. PRABHAT KUMAR SINGH

CANDIDATE'S DECLARATION

I, **PRANJAL NEGI** hereby declare that the report, entitled **CUSTOMER RELATIONSHIP MANAGEMENT AND RETENTION WITH MULYA CREATIONS** submitted to the **DOON UNIVERSITY, Dehradun** in partial fulfillment of the requirements for the award of the Degree of Master of Business Administration is a record of original research work undergone by me under the supervision and guidance of **Dr. PRABHAT KUMAR Singh (Asst. Professor)**, DOON UNIVERSITY, and it has not formed the basis for the award of any Degree/Fellowship or other similar title to any candidate of any University/Institution.

13/12/2022
Date:


PRANJAL NEGI

ACKNOWLEDGEMENT

I would like to thank and express my gratitude to Dr. Prabhat Kumar Singh, Asst. Professor Doon University, Dehradun, Uttarakhand for helping me in many ways throughout the period of my project with his timely suggestions.

I sincerely owe my respect and gratitude to Dr. Prof. H. C Purohit, Head of School of Management, Doon University, for his continuous and patient encouragement during all time of my project and helped me in completing this study successfully.

I would also like special thanks to Ms. Alisha Maindoliya (Founder) of Mulya Creation, Dehradun, Uttarakhand, who extended their kind support to complete my project report.

I thank every employee of Mulya Creation for his/her help and guidance in completing my project. I also thank all the customers without their feedback this project would stand nothing.

I am grateful to all those who helped directly or indirectly for completing this project report successfully.



Pranjal Negi

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CHAPTER 1

INTRODUCTION

CUSTOMER RELATIONSHIP MANAGEMENT

Relationships have proved to be the central element in the success of business since time immemorial. They are the invisible threads, which bind all business associates. To remain competitive and to carve a niche in a global market, it has become imperative to manage customers effectively. Organizations have realized the lifetime value of a customer. CRM has once again acquired the highest place in every strategist's priority list. Organizations are redesigning their strategies and sharpening their focus on Customer Relationship Management for achieving sustainable competitive advantage. Sophisticated toolkits, involving latest technology inputs, are being used to implement CRM programs without proper knowledge of their impact on customers. The biggest Challenge faced by marketers is to know the effectiveness of their CRM programs. Keeping in view the requirements of marketers, it becomes essential to identify the determinants of CRM effectiveness. We see a great usage of CRM in the service industry, especially in the cellular services where each service provider is trying to have an edge over the other by means of enhancing customer satisfaction.

Origin of CRM:

The origin of CRM, began in the early 1970's. When academics and consultants had an epiphany determining it would be better for companies to become "customer centric" vs. "product centric." It is less costly and more profitable to retain a customer than to find a new one.

Birth of CRM was because of the heedful perceptiveness. The famous writer and management consultant Peter Drucker wrote, the true business of every company is to make and keep customers. Traditionally every transaction was on paper and dependent on goodwill which created hindrance in clutching customers. People used to work hard in

CHAPTER 7

CONCLUSION

- The initiatives taken by MULYA CREATION in CRM have helped MULYA CREATION to achieve a great amount of success.
- On measuring the effectiveness of the services provided by MULYA CREATION in terms of responsiveness, reliability, empathy, assurance, and tangibles it was found that the overall perception about its service quality is quite high.
- MULYA CREATION being the first to introduce a wide array of value-added services like customized clothing and Jaimala Edition.
- MULYA CREATION is making use of the latest technology and focusing on building long term relationship with the customers as a result of which most of the people perceive MULYA CREATION as a really promising clothing brand.

SUMMER TRAINING PROJECT REPORT
ON
"TRAINING & DEVELOPMENT IN VIVO UTTARAKHAND"
SUBMITTED FOR PARTIAL FULFILLMENT OF THE RECRUITMENT
OF
DEGREE OF
MASTER'S OF BUSINESS ADMINISTRATION
OF
DOON UNIVERSITY
DEHRADUN



UNDER SUPERVISION OF:

Dr. REENA SINGH
(ASSOCIATE PROFESSOR, DOON UNIVERSITY)

COMPANY GUIDE:

AYUSHI DIXIT
(ASSISTANT MANAGER, VIVO UTTARAKHAND)

SUBMITTED BY:

NEHA KOTHIYAL
MBA 127

BATCH 2021-23
SCHOOL OF MANAGEMENT
DOON UNIVERSITY
DECEMBER, 2022

MGM SALES PRIVATE LIMITED

Date: 17/8/2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. **NEHA KOTHIYAL** has done her internship in HR Department at MGM Sales Private Ltd. Dehradun from 1st of July to 16th of August 2022.

She has worked on a project titled "**TRAINING & DEVELOPMENT**". This project was aimed at to understand the purpose of training and development of Company. As part of the project, she has worked with HR training team.

During her internship she has demonstrated her skills with self-motivation to learn new skills. Her performance exceeded our expectations and she was able to complete the project on time.

We wish her all the best for her upcoming career.

AMIT GAUR

SR. HR Manager
17/8/2022

CERTIFICATE

This is to certify that the internship report entitled "Training and Development in VIVO Uttarakhand" submitted by Neha Kothiyal has been done under my supervision. It is also certified that the work in this report embodies the original research and hard work of the candidate.

The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.

Dr. Reena Singh
Associate Professor
School of Management

DECLARATION

I, Neha Kothiyal ,do hereby declare that the report titled, "Training & Development in Vivo Uttarakhand" is a bonafide record of work done by me under the guidance of Dr. Reena Singh. I further declare that the study has not previously formed the basis for the award of any study, research or the similar title or recognition.

Name : Neha Kothiyal, MBA 127

Place : Doon University, Dehradun

ACKNOWLEDGEMENT

Through this acknowledgement, I express my sincere gratitude towards all those people who have helped me in the preparation of this report, which has been a learning experience.

Firstly I would like to thank "**Vivo Uttarakhand**" for giving me the opportunity to get trained in their office and complete this project.

I put on record my sincere thanks to my college, **Doon University, Dehradun**. I am extremely grateful to **Prof. H. C. Purohit**, HOD, School Of Management and **Dr. Reena Singh**, Associate Professor, who played a pivotal role in the preparation of my project. I would also like to thank her for her continuous support, advice and encouragement.

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INTRODUCTION

TRAINING AND DEVELOPMENT

Training and development initiatives are educational activities within an organization that are designed to improve the job performance of an individual or group. These programs typically involve advancing a worker's knowledge and skill sets and instilling greater motivation to enhance job performance.

Training programs can be created independently or with a learning administration system, with the goal of employee long-term development. Common training practices include orientations, classroom lectures, case studies, role playing, simulations and computer-based training, including e-learning.

Sometimes referred to as Human Resource Development (HRD), most employee training and development efforts are driven by an organization's HRD function. These efforts are roughly divided into two types of programs:

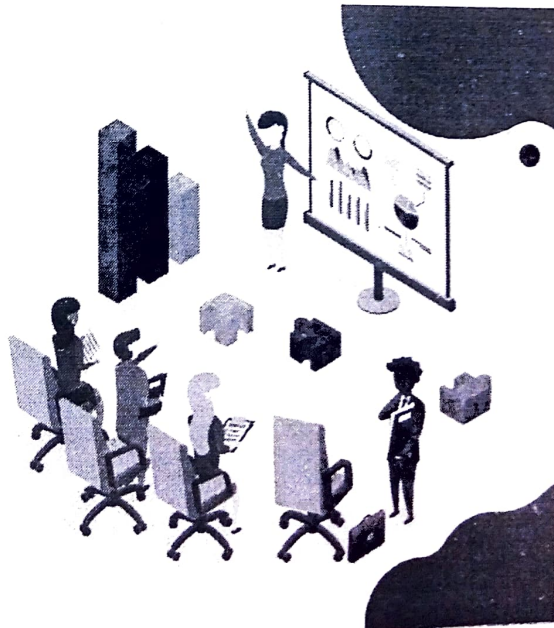
Employee Training and Development

A strategic tool for improving business outcomes by implementing internal educational programs that advance employee growth and retention.

Management Training and Development

The practice of growing employees into managers and managers into effective leaders by the ongoing enhancement of certain knowledge, skills and abilities.

EMPLOYEE TRAINING AND DEVELOPMENT



CONCLUSION

HRM is nothing but managing the human resource, from the date of recruitment till the retirement and each employee needs some training program to develop their skills and ability. Today we are living in a competitive world in order to survive among other factors, it is the employees who make the organisation reach their desired goal. Identification the training and development needs in the employees which is very important in the organisation .it will help to achieve individual goals has well has organisation goals it also help in productivity of the present employees and also the standard of living of the employees and their family.

Training & Development refers to educational activities within a company created to enhance the knowledge and skills of employees while providing information and instruction on how to better perform specific tasks.

Training and Development Develops Future Leaders Targeting employees with the skills for future leadership can be vital in establishing a business for growth and evolution.

Leadership talent can be acquired through new hires, or HR professionals can select current employees as managerial candidates. Training and development programs provide a host of benefits. They enhance employee performance, boost employee productivity, reduce employee turnover, and improve company culture. Explore the importance of training and development programs foremployees and employers by pursuing a career in human resources.

Training and development describes the formal, ongoing efforts that are made within organizations to improve the performance and self-fulfillmentof their employees through a variety of educational methods and programs.

Employees can also get training for self-management, where they can systematically enhance their self-efficiency. In human resource management, training and development is the field concerned with the activity of an organizations directed towards the improvement of an individual or a group. It is also known as human resource development.

Training and development is considered as a strategy for growth in every organization. It is adopted by the organization to fill the gap between skills and future opportunities. These training programs definitely enhance skills, improve efficiency, and productivity and growth opportunities for employees.

SUMMER TRAINING PROJECT REPORT
ON
SUPPLY CHAIN MANAGEMENT
BRITANNIA INDUSTRIES LIMITED
SUBMITTED FOR PARTIAL FULFILLMENT OF THE REQUIREMENT
OF
MASTERS OF BUSINESS ADMINISTRATION
AT

DOON UNIVERSITY
DEHRADUN

Sudhanshu Joshi
13.12.2022

56% similarity found
(Thermitin report)
(Rept examined)

UNDER SUPERVISION OF:

DR. SUDHANSHU JOSHI
ASSISTANT PROFESSOR

SUBMITTED BY:

PRIYANKA JOSHI
MBA 125

COMPANY GUIDE

MR. RAJ KISHORE SINGH
ASSISTANT MANAGER



BATCH 2021-2023
SCHOOL OF MANAGEMENT
DOON UNIVERSITY
DECEMBER, 2022



Date 16th August 2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. Priyanka Joshi student of MBA (Operations & Supply Chain Management), bearing the enrollment no. MBA125 from Doon University Dehradun, has completed internship at Britannia Industries Ltd. Pantnagar starting from 02.07.2022 to 16.08.2022.

The title of her project is '**Supply Chain Management of Biscuit Plant**'. During the tenure of her internship, we found her enthusiastic, resourceful and sincere. Her performance on the project was satisfactory.

We would like to state that all information and data acquired in the project is the nature and the sole property of Britannia Industries Ltd. and is not to be circulated outside.



दून विश्वविद्यालय

मोथरोवाला रोड, केदारपुर, पो. ०३०० डिफेंस कॉलोनी,
देहरादून - 248001 (उत्तराखण्ड) भारत

DOON UNIVERSITY

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

This is to certify that the internship report entitled "Supply Chain Management" submitted by Miss Priyanka Joshi has been done under my supervision. It is also certified that the work in this report embodies original research and hard work of the candidate.

The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.

Dr. Sudhanshu Joshi
Assistant Professor
School of Management

DECLARATION

I hereby declare that the work being presented in this report entitled "**Supply Chain Management**" is an authentic record of my own carried out under the supervision of my mentor **Dr. Sudhanshu Joshi**. The matter embodied in this report has been submitted to the School of Management at Doon University as a part of the requirements for Masters of Business Administration degree.

I confirm that the work presented in this report is original and that no part or whole of the term report has been submitted to any other university in any form for any degree or other purpose.

Priyanka Joshi
MBA 125

School of Management

ACKNOWLEDGEMENT

A successful project can never be prepared by the single effort or the person to whom project is assigned, but it also demand the help and guardianship of some conversant person who helps in the completion of a successful project.

It is my honor to get an opportunity to pursue my summer internship with Britannia Industries Limited, Rudrapur. I would like to thank Mrs. Gargi Pandey for giving me an opportunity to undertake summer internship in the company.

My special thanks Mr. Raj Kishore Singh for guiding me throughout and providing all needed information to complete my project. I choose this moment to acknowledge his contribution gratefully.

I extend my sincere gratitude to Dr. Sudhanshu Joshi for providing his valuable suggestions at various stages of the project.

I perceive this opportunity as a big milestone in my career development. I will strive to use gained skills and knowledge in the best possible way, and I will continue to work on their improvement, to attain desired career objectives.

Sincerely

Priyanka Joshi

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Company Profile

Britannia Industries Limited is an Indian food and beverage firm. It is one of the India's oldest still-operating firms; it has its headquarters in Kolkata and was founded in 1892.

It is part of the Wadia Group headed by Nusli Wadia. The company sells its Britannia and Tiger brand of biscuits, bread, and dairy products throughout India and in more than 60 countries across the world. It enjoys a large market share and is exceedingly profitable.

It belongs to the Nusli Wadia-led Wadia Group. Britannia biscuits, bread, and dairy goods are sold by the corporation in India and in more than 60 other nations. It has a significant market share and generates enormous profit.

One of India's top food firms, Britannia Industries has a 100-year history and generates more than Rs. 9000 Cr in revenue each year. One of the most reputable food manufacturers and brands is Britannia.

Favorite brands that are well-known in India include Milk Bikis, Marie Gold, Good Day, Tiger, and Nutri Choice. Biscuits, bread, cakes, rusk, and dairy items like cheese, drinks, milk, and yoghurt are all part of Britannia's product line. Over 50% of Indian homes are served by Britannia products, which are distributed through nearly 5 million retail locations nationwide.

With a passion for enhancing goodness along the food value chain, Britannia's sustainability ambition is to be a responsible global total foods company. It aims to offer customers wholesome food that fits their daily nutritional needs while being fresh, tasty, and healthy. The greatest ingredients are used to create each of its goods, which are then packed to preserve their unaltered natural goodness. This unwavering commitment helps it fulfill its promise to provide excitement and goodness in every bite.



More than 52% of its goods are enhanced with vital micronutrients, keeping with its motto of "Exciting Goodness." Britannia has the distinction of being India's first Zero Trans Fat Foods Company after removing over 8,500 tonnes of Trans Fat from its goods over the past few years. By utilising its Research & Development (R&D) resources, it is able to give better nutrition through the use of alternative cereals, whole grains, super seeds, and protein isolates in Britannia goods. It is dedicated to strengthening the positives in its brands while lowering the disadvantages.

Conclusion

The food and beverage industry is very dynamic. For this accurate supply chain information is a key measure, not just for planning, but also for operational efficiency. Britannia biscuits industries has a great opportunity to take advantage of modern technologies available that can help it to increase the level of customer service, create new operational efficiencies, reduce risk, and increase profitability. It still a vastly untapped area of supply chain management.

The common factors which have contributed towards manufacturing and service both are rise in e-commerce and sourcing out. Globalization and liberalization policies have benefited the service sector more than the manufacturing sector.

The customer today are not very forgiving, referring to the consequences of missed delivery schedules. If a company was able to manufacture a product with the right quality and the right price but missed on delivery, the other two got nullified. So company should deliver at right time. Service should be standardized.

The organization today wants value for their money. They want quality and quick service. This is because time saved is the money gained. So that organization fulfils the requirements of the customers with high satisfaction. Britannia industries also try to give maximum satisfaction to their customers. The company's main motive is to provide the right quality to right customer at right time with satisfaction. Company is using supply chains to control the cost.

The Britannia brand is all about eating healthy, to lead a better life. It advocates values that stand for health, hygiene, family, trust and taste. It reflects the strong link between physical and mental wellbeing that is so important to a person and is typically a result of what one eats.

Today, Britannia, driven by a passion for excellence, manifested by its innovative thinking has been able to weave itself into the fabric of the customer's everyday life. While Britannia strives to give customers a healthier life, the consumer on the other hand, has come to expect innovation from Britannia's offerings- A huge challenge for the company.

With employment opportunities increasing in the food processing sector, the industry has increased the demand for skilled professionals. Hence, this internship has helped me to gain valuable industrial experience and given me exposure to food processing industry. It provided me an opportunity to learn about the work culture of a food industry, as the final product. Through this internship, I learned about industrial work and gained more confidence in myself. It has added a very valuable experience under my belt.



CONCURRENT FIELD WORK REPORT

SUBMITTED TO-
DR. NARESH MISHRA
FIELD SUPERVISOR
SEMESTER - 2nd

SUBMITTED BY-

Meynye Atta

MSW -1ST

19MSW23

MASTER OF SOCIAL WORK
MSW FIELD WORK PRACTICUM REPORT
First/Second/Third Semester



Submitted By:

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Roll Number..... 19MSW123

Name of the Agency..... Waste Warriors

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Name of the Agency Supervisor..... Ms. Oceanika

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Mothrowala Road, Dehradun



CONCURRENT FIELD WORK REPORT

SUBMITTED TO-

DR. NARESH MISHRA

FIELD SUPERVISOR

SUBMITTED BY-

KIRAN BISHT

MSW -2nd SEMESTER

19MSW22

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MASTER OF SOCIAL WORK
MSW FIELD WORK PRACTICUM REPORT
First/Second/Third Semester



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Name of the Field Supervisor..... Dr. Naresh sir & Dr. Priyanka ma'am

Name of the Agency Supervisor..... Mr. Akhilesh

Siddiqui

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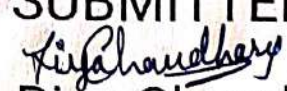
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 Std. : Master of Social Work Roll No : 19MSW 28 E-mail: hanansiddiqui6320@gmail.com
 School/College: DOON UNIVERSITY

S.No.	NAME OF THE EXPERIMENTS	DATE	PAGE	REMARKS
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CONCURRENT FIELD WORK REPORT

SUBMITTED TO 
DR. NARESH MISHRA
FIELD SUPERVISOR
SEMESTER - 2nd

SUBMITTED BY-

Riya Chaudhary
MSW -1ST YEAR
19MSW25

CONTENT

- 1- Waste Warriors
- 2- Doon Swachhta League
- 3- Croonj
- 4- Collection Camp
- 5- Impact Dash
- 6- Energy Swaraj Foundation
- 7- Menstrual Hygiene day

MASTER OF SOCIAL WORK
MSW FIELD WORK PRACTICUM REPORT

First/Second/Third Semester



Submitted By:

Name.....Pushpendra Panwar.....

Roll Number.....19 MSW 26.....

Name of the Agency.....Waste Warriors.....

Name of the Field Supervisor.....Dr. Naresh Singh & Dr. Priyanka.....

Name of the Agency Supervisor.....

Pushpendra

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 School/College: Doon University

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(7)	Sambhav Foundation	14 May 23		
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CONCURRENT FIELD WORK REPORT

SUBMITTED TO-

DR. NARESH MISHRA

FIELD SUPERVISOR

SUBMITTED BY-

GAURAV GARG

MSW -II SEMESTER

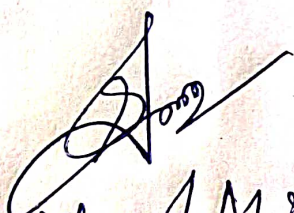
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MSW FIELDWORK PRACTICUM REPORT


Dr. Naresh Mishra


SUBMITTED BY-Riya Chaudhary
SUBMITTED TO-Dr. Naresh Mishra
M.S.W Ist year .

AGNOSTIC DOCUMENT

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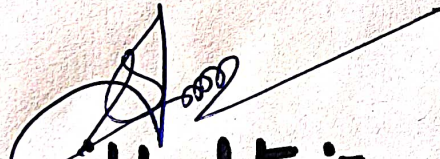
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- 2- GIC, Maldeuta
- 3- Prem Dham Old Age Home
- 4- Help Age India
- 5- Health and Wellness Centre
- 6- GIC, Rajpur Road

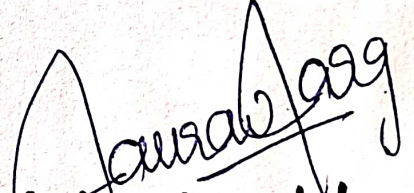
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- 2- International Day of Peace
- 3- International Day of Older Person
- 4- World AIDS Day
- 5- International Conference : Bhartiya Women - A true perspective.
- 6- International Men's day

CONCURRENT FIELD WORK REPORT



Submitted to :-
Dr. Naresh Mishra
FIELD SUPERVISOR



Submitted by :-
GAURAV GARG
19MSW27

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2. Report on 'GIC Maldevta', DehraDun
3. Report on 'Help Age India', DehraDun
4. Report on 'GGIC Rajpur Rd', DehraDun.

MASTER OF SOCIAL WORK
MSW FIELD WORK PRACTICUM REPORT

First/Second/Third Semester



Submitted By:

Name..... Hassan Siddiqui

Roll Number..... 19 MSW 28

Name of the Agency..... Health and Wellness Centre, Dehradun

Name of the Field Supervisor..... Dr. Naresh Mishra sir

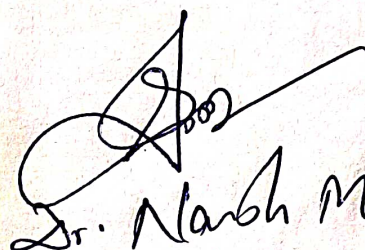
Name of the Agency Supervisor..... Mamta Kandari Raswat

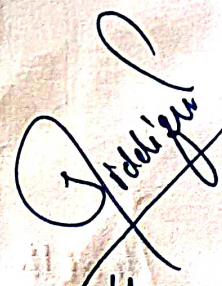
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Mothrowala Road, Dehradun


Dr. Naresh Mishra


Hassan Siddiqui
19 MSW 28

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- Agency Profile
- Program of Agency
- Major outcomes of the agency
- Major challenges of the agency
- Conclusion and suggestion.

MASTER OF SOCIAL WORK
MSW FIELD WORK PRACTICUM REPORT
First/Second/Third Semester



Submitted By:

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Roll Number 19 MSW 26

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Name of the Field Supervisor Mr. Sonit Garg


Name of the Agency Supervisor Mr. Chaitanya Upadhyay

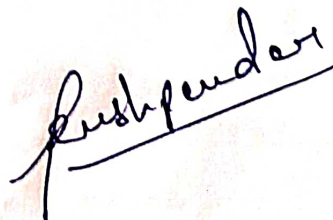
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Dr. Nandh Mishra


Pushpender

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Agency Profile:

- * Name of the Organization (Agency)
- * Address of the Organization
- * Registered Under
- * Establishment
- * Organizational Structure
- * Funding Organization
- * Mission of the Organization
- * Major Challenges
- * Suggestion & Conclusion

About Agency:

- * Mission of the Organization
- * Objectives of the Organization

Major Challenges:

What kind of challenges agency facing towards delivering their services.

Conclusion & Suggestion

Summarize the report

MASTER OF SOCIAL WORK
MSW FIELD WORK PRACTICUM REPORT
First/Second/Third Semester



Submitted By:

Name..... Meynye Atta

Roll Number..... 19MSW23

Name of the Agency..... IMA Blood Bank of Dehradun

Name of the Field Supervisor..... Dr. Priyanka & Mr. Sanjit Gang


Name of the Agency Supervisor..... Mr. Sudhakar Joshi


Department of Social Work

School of Social Science

Doon University

Mothrowala Road, Dehradun


Dr. Nishu Mishra


Meynye Atta
19MSW23

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- Agency Profile
- About Agency
- Programs of the Agency
- Major Outcomes of the Agency
- Major Challenges for the Agency
- Conclusion



CONCURRENT FIELD WORK REPORT

SUBMITTED TO-

DR. NARESH MISHRA

FIELD SUPERVISOR

SUBMITTED BY-

KIRAN BISHT

MSW -1ST SEMESTER

19MSW22

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MASTER OF SOCIAL WORK
MSW FIELD WORK PRACTICUM REPORT
First/Second/Third Semester



Submitted By:

Name..... Aayush Bhatt

Roll Number..... 19MSW24

Name of the Agency..... Health & Wellness Center

Name of the Field Supervisor..... Dr. Naresh Mishra

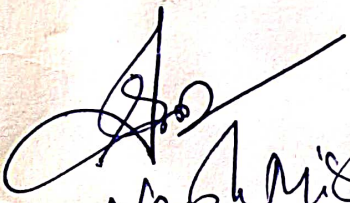
Name of the Agency Supervisor..... Mr. ~~Sethi~~ Mamta Kandan

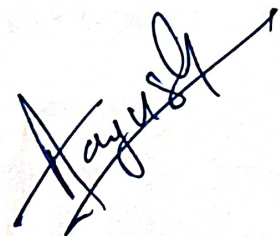
Department of Social Work

School of Social Science

Doon University

Mothrowala Road, Dehradun


Dr. Naresh Mishra


Aayush Bhatt

Timing: 10: am to 1:30 pm

Date 11/Nov/2022

(* Agency Profile

(* Name of the Organisation

→ Health and wellness centre

(* Address of the organization

→ Health and wellness centre, 582,
Banjrawala Dehradun, Uttarakhand (248001)
(248121)

(* Registered under

→ Government (non-profit organization),
Health & wellness act of 2018

(* Concept

→ This concept was brought by Prime
minister of India (Mr. Narendra Modi)

(* Name of the Agency

Ayushman Bharat - Health & wellness centre

DISSERTATION
ON
A STUDY ON OUT-MIGRATION CAUSES AND PATTERN IN THE
BARANGAL PANCHAYAT OF SYLADE BLOCK OF ALMORA
DISTRICT, UTTARAKHAND

Submitted in Partial Fulfillment of the Degree in Social Work (MSW)

SUBMITTED BY:
AKANKSHA SINGH
(19MSW14)
BATCH 2021-2023



SPECIALIZATION: RURAL COMMUNITY MANAGEMENT
UNDER THE SUPERVISION OF: MR. JAYDEEP UTKARSH
(FACULTY OF SOCIAL WORK)

DOON UNIVERSITY
DEHRADUN

ABSTRACT

This dissertation investigates out-migration in the Barangal Panchayat, Almora District, Uttarakhand. This study attempts to explore the different causes and patterns related to out-migration in the study area. Another objective of the study is to analyse the socio-economic status of migrant households, caste dynamics, and gender-related aspects. The study primarily used quantitative research methods with some aspects of qualitative methods. Primary data was collected using personal interviews, Key Informant Interview and Focus Group Discussions (FGD). FGD was used to gather in-depth insights and capture the experiences, perspectives, and aspirations of migrants and community members. Secondary data was collected from different reports published by government and semi-government institutions. The study finds that the main reasons for migration were employment and education. In the study it was found that most of the migrants migrated to other states and the duration of migration was from 6-12 months. The findings of this dissertation contribute to a comprehensive understanding of out-migration in the study area. They shed light on the socio-economic conditions of households with migrants, reveal key factors influencing out-migration, and provide insights into migration patterns, including different types of migration, caste dynamics, and gender-related aspects. The research emphasises the importance of integrated policies and interventions that address the challenges associated with out-migration, promote economic opportunities, and ensure equitable outcomes for all migrants in the region.

CHAPTER 1

INTRODUCTION

Human migration has reportedly been a worldwide phenomenon from ancient times. According to the United Nations (UN) Migration is defined as a form of geographical mobility or spatial mobility between one geographical unit to another, generally involving place of origin to place of departure. According to Census 2011 the total number of in-migrants in India was 45.58 crores; which accounts for around 37% of the population. Migration from rural to urban areas has been a common trend at national as well as global level. According to an estimate of the UN the share of the world's population living in urban areas will reach atleast 60 percent by 2030. But if we see the 1950s data related to migration we find that 30 percent of the global population was living in urban areas. There may be different push and pull factors responsible for migration. Some push factors may be- lack of employment opportunities, poverty, natural calamity, degradation of environment, unsustainable exploitation of natural resources etc. limits the livelihood options. The allure of a better life in urban areas has led to an increasing number of migrants (Castle and Miller, 1993). As per UN Asian and African countries will witness the highest rural to urban migration in the coming decades.

Uttarakhand is one of the states which have been severely affected by out-migration. As per 2001 census it had the highest migration rate among the four hill states of India. Migration from the hills is influenced by both push and pull factors. Push factors compel people to migrate, while pull factors attract them to specific locations. In Uttarakhand's hilly areas, there are various push and pull factors that contribute to migration. Lack of employment opportunities, inadequate healthcare and education facilities, among others, act as push factors, leading people to migrate to the plain. The substantial outflow of educated youth has weakened the voices of villagers in local Gram Panchayats (village councils). Many of these Gram Panchayats struggle to advocate for development projects and essential services from government authorities. Their concerns and demands are often overlooked by politicians and development agencies (Mamgain and Reddy, 2017). Migration plays a very significant role in the context of rural development (Varghese, 2018). Many individuals have abandoned their ancestral farmlands, which were cultivated over the years through the hard work of their ancestors. This trend is particularly noticeable in districts like Pauri Garhwal and Almora,

DISSERTATION

ON

**Study on the Knowledge of Premenstrual Syndrome
and Sustainable menstruation products**

Submitted in Partial Fulfillment of the degree of Masters of Arts in Social Work

SUBMITTED BY

Apurva Negi

(19MSW20)

BATCH : 2021-2023



SPECIALIZATION: RURAL COMMUNITY MANAGEMENT

UNDER THE SUPERVISION OF : DR. PRIYANKA PAHWA

(FACULTY OF SOCIAL WORK)

DOON UNIVERSITY

DEHRADUN

DECLARATION

I, Apurva Negi, hereby declare that this dissertation titled “A study on the knowledge of premenstrual syndrome and sustainable menstruation products” is the outcome of my own study undertaken under the guidance of Dr. Priyanka Pahwa, Assistant Professor, Department of Social Work, School of Social Sciences, Doon University. This study has not been used formerly as a basis for the award of any degree, diploma or certificate of this institute or any other institute or university. I have duly acknowledged all the sources from which the data has been taken by me for the preparation of this dissertation.



Apurva Negi

19MSW20

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Chapter 1

Introduction

“I bleed every month. but do not die. how am I not magic.” - Nayyirah Waheed

1.1 Premenstrual Syndrome

Premenstrual syndrome is a condition which comprises emotional, behavioral and physical changes that occurs in a menstruating individual in the luteal phase of the menstrual cycle. The luteal phase is of 14 days which starts at ovulation and ends at the onset of menstruation.

Premenstrual syndrome is associated with a wide range of physical emotional and behavioral symptoms it has been linked with around 200 symptoms which vary in its degree from individual to individual. The causes and triggers behind the symptoms are unclear, one of the causes is variation in the reproductive hormones of the menstruating individuals. The hormonal changes also vary within menstruating individuals which explains the subjective experiences of the symptoms. The intensity of the symptoms can vary in different individuals as well as in the menstrual cycles of the same individual. The symptoms are chronic and cyclical in nature. Some common physical symptoms of premenstrual syndrome are abdominal bloating, abdominal cramps, breast tenderness, food cravings, headache, muscle and joint pains, acne, constipation or diarrhea. On the other hand, the behavioral and emotional symptoms include anxiety, mood swings, social withdrawal, change in sexual desire in appetite, insomnia, depression, restlessness and forgetfulness. (Allihabi,2019) Since the symptoms are very generic and can be indicative of other illnesses or disorders, there are specific guidelines to diagnose premenstrual syndrome based on the symptoms. According to the Royal College of Obstetricians and Gynecologists

DISSERTATION

ON

**A STUDY ON THE CANNABIS USE PATTERN IN INDIA AND ITS
CONNECTION WITH MENTAL AND PHYSICAL HEALTH**

Submitted in Partial Fulfillment of the the Degree in Social Work (MSW)

SUBMITTED BY

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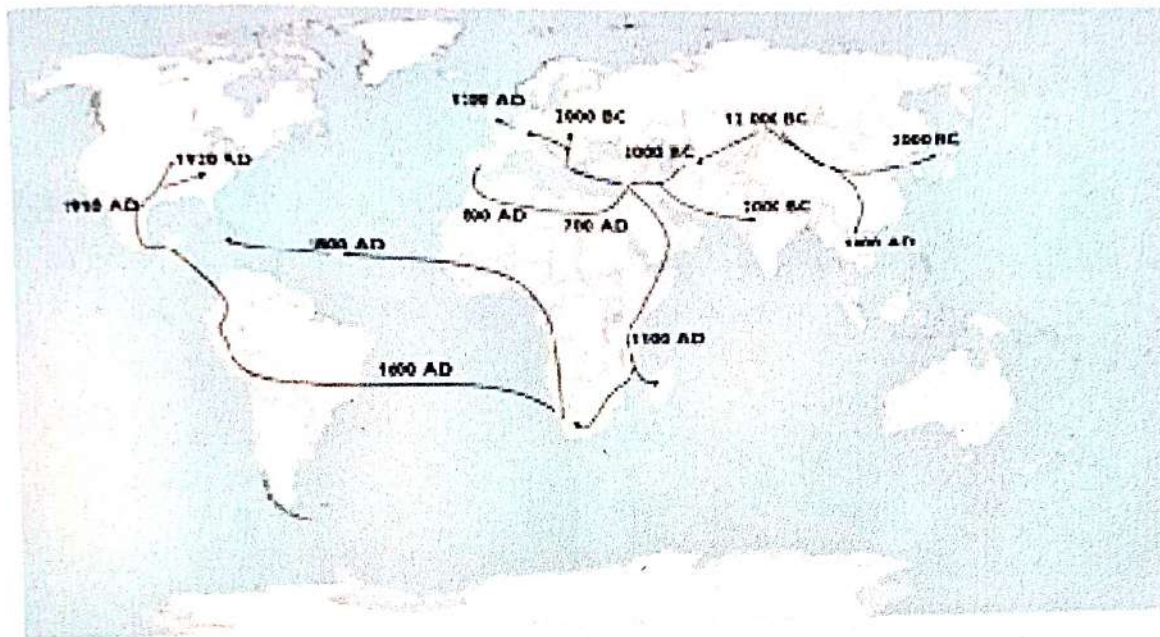
DEHRADUN

ABSTRACT

In India, whose population is just over a billion, 31 million people (2.8% of the total population) reported using cannabis in the last year. There has been a growing evidence supporting the close relationship with cannabis use and psychotic illness which also affects the academic performances. The purpose of this study is to understand the cannabis use pattern in India and more importantly its impact on mental health and education. Motive Identification behind the use of cannabis is important to support adolescents to manage their cannabis use. Lack of information regarding cannabis harms is another reason for increase in the rate of cannabis use especially among the adolescent. Weed is illegal in India, so the availability and quality is not consistent, which leads to flow of spiked weed especially among the college students. The Narcotic Drugs and Psychotropic Substances Act (NDPS) of 1985 prohibits the consumption, storage and supply of cannabis or weed in India. However, spiked weed is something that the NDPS Act did not foresee. Spiked weed is the contamination of the drug with any other substance, contaminants can include shoe polish, cheaper drugs, anxiety pills, detergent powder, caffeine, and ground glass, among other nasty adulterants. There is a hippie connotation attached to weed like it's something natural and organic, and hence, safe which is completely wrong. People who use cannabis have about a 10% likelihood of becoming addicted. The risk of developing marijuana use disorder is greater in people who start using marijuana during youth or adolescence and who use marijuana more frequently which has been further discussed in the study. Most of the people who smoke cannabis for first time is either due to peer pressure or recreational reasons or because it helped them with a physical condition like insomnia or to ease anxiety but over the time the benefit they received from cannabis began to diminish and in some cases the habit started having a negative impact on their health and lives.

CHAPTER 1- INTRODUCTION TO THE STUDY

BRIEF HISTORICAL OVERVIEW



(Figure 1-Introduction of cannabis into different nation)

Cannabis is perhaps one of the most controversial psychoactive substances of the 21st century. The history of cannabis use is rooted in the Asian subcontinent. The indigenous strain of *Cannabis indica* has been growing freely along the Himalayan foothills and adjacent plains of India for centuries. The plants grows wild in the following states: Assam, Bihar, Madras, Uttar Pradesh, Punjab, West Bengal, Jammu & Kashmir, Patiala and East Punjab States Union, Rajasthan. Travancore-Cochin, Himachal Pradesh, Manipur and Tripura. The states where there is no wild growth include Bombay, Kuitch Madhya Pradesh, Orissa, Hyderabad, Mysore, Saurashtra, Ajmer, Coorg, Delhi, Andhra, Bhopal, Vindhya Pradesh and the Andaman and Nicobar Islands. On account of the widely scattered habitat of the plant, it is not possible to arrive at any reliable estimate of the total area under it. The wild growth appears to be less prevalent in the western and southern parts of the country. It is most luxuriant along the southern slopes of the Himalayas and along the eastern border of Assam up to an altitude of 10,000 feet above sea level.

DISSERTATION

ON

An Evaluation of Pradhan Mantri Kaushal Vikas Yojana

Submitted in Partial Fulfillment of the the Degree in Social Work (MSW)

SUBMITTED BY

Nidhi Gusain

(19MSW17)

BATCH : 2021-2023



SPECIALIZATION: RURAL COMMUNITY MANAGEMENT

UNDER THE SUPERVISION OF : DR. NARESH MISHRA

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DECLARATION

I hereby declare that the research dissertation work title 'An Evaluation Of Pradhan Mantri Kaushal Vikas Yojana' which is submitted here with to the DOON UNIVERSITY for the partial fulfillment of degree of Masters of Social Work, in the faculty of social science (Social Work), is my own original work and is not substantially the same, which has not submitted to this or any other University for award of any degree.



Nidhi Gusain
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CHAPTER 1

INTRODUCTION

Introduction

Prime Minister Narendra Modi launched a Skill India campaign on 15 July, 2015. This campaign goal is to train over forty crore candidates in India in different-different skills by 2022. It includes various program of the government like **Pradhan Mantri Kaushal Vikas Yojana (PMKVY)**, National Skill Development Mission, National Policy for Skill Development and Entrepreneurship and the "Skill Loan scheme".

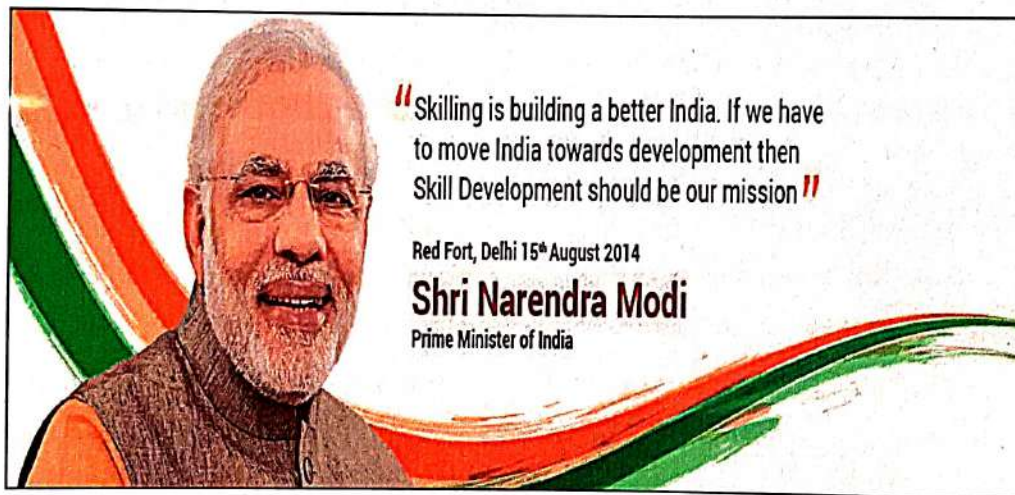


Figure: 1.1 Caption of Launching Skill India campaign

Source: <http://pmkvyofficial.org/>

PMKVY is a unique initiative that aims to offer meaningful, industry relevant, and skill based training to twenty-four lakh Indian youth. Under this initiative, the trainees were offered a government certification and monetary reward on successful completion of training, which will help them to earn money or securing.

CHARACTERISATION AND WEIGHT LOSS TEST OF ELECROLESS Ni-P/Ni-P-W NANO COMPOSITE COATING

DISSERTATION

SUBMITTED TO
DEPARTMENT OF PHYSICS
SCHOOL OF PHYSICAL SCIENCES
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF

MASTER
IN
PHYSICS
BY

SHITAL GUSAIN

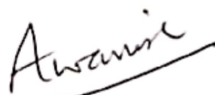
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UTTARAKHAND (INDIA),
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This is to certify that Dissertation entitled “Characterisation and weight loss test of Ni-P/Ni-P-W nanocomposite coating”, submitted by Shital Gusain has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged



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Chapter – 1

INTRODUCTION AND DESCRIPTION OF PROBLEM

1.1 Introduction

One of the most common and pervasive phenomena that we generally experience every day is corrosion. The effects of this electrochemical phenomena, which are primarily negative, may be seen all around us in metals used for industrial and domestic reasons. Materials deterioration and wear and tear are caused by this phenomena. It shortens a construct's life. Its impact may be seen in nearly all fields, from domestic appliances to industrial machinery. Examples of corrosion include rusting of iron, steel equipment, refrigerators, metal handles, gates, blistering of chrome plating, dullness in the lustre of metals and paint work on automobiles. This unavoidable tendency affects both micro and macro structures. Corrosion is defined from an industrial perspective as an unintentional electrochemical reaction between a metal and its environment, which frequently contains significant amounts of water vapour, chemicals and gases. These substances react with the metal surfaces, changing its properties and causing rust to form. It also creates metal oxides and metal sulphides, which make the metal brittle and weak, affecting its hardness and strength. Consequently, rust substantially impairs the material's strength, ductility, stability hardness etc. Giant metal bodies are weakened, plants fail early and wear and tear are caused by it. A factory or product's maintenance and operating costs are rising as a result of this issue. Because of this occurrence, billions of rupees are lost. All of this has an impact on the global economy and as result significant resources are devoted to combating the negative effects of corrosion. Although the phenomenon of corrosion is unavoidable, there are a number of strategies and actions that may be taken to slow down the process and increase the life span of a material that is susceptible to corrosion. Corrosion is a serious threat to a nation's economy and even to human life. According to the CORCON

STRUCTURAL AND SURFACE MORPHOLOGICAL PROPERTIES OF TiO₂

DISSERTATION
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IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
OF THE DEGREE OF
**Master in
PHYSICS**
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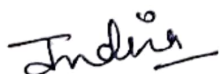


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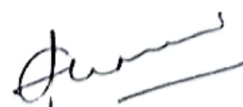
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Co-Supervisor/Guide

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Dr. Himani Sharma

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Introduction

The field of nanotechnology is concerned with the manipulation of matter at the nanoscale, which is one to one hundred nanometers in size. It is possible to observe unique characteristics and behaviours in materials that are not present in their bulk counterparts at this exceedingly small size. This permits material engineering and exact control, resulting in the development of new structures and gadgets with improved capabilities. Having the ability to improve material qualities is one of nanotechnology's main benefits. Scientists can change the strength, conductivity, reactivity, and other properties of materials by modifying them at the atomic and molecular level. The possibility of creating new materials that perform better than conventional ones in several applications is now possible.

Miniaturisation is a noteworthy additional benefit. Smaller, more effective systems and apparatus can be produced because to nanotechnology. Components can be created to be thin, light, and highly effective by working at the nanoscale. This is especially true in the field of electronics, where the use of nanoscale transistors and sensors allows for the creation of more efficient, portable, and potent gadgets.

The manipulation and arrangement of atoms and molecules can also be precisely controlled by nanotechnology, enabling extremely precise production and assembly. Complex nanostructures and customised materials with particular characteristics and capabilities can be made thanks to this level of control. The creation of cutting-edge components and goods is made possible by the opening of new pathways for engineering and manufacturing processes.

Certificate

This is to certify that Dissertation entitled "**Synthesis of Molybdenum disulfide at various concentrations**" submitted by "**Ashish Ranjan Singh**" has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



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SYNTHESIS OF MOLYBDENUM DISULFIDE AT VARIOUS CONCENTRATION

DISSERTATION

Submitted to
Department Of Physics
School Of Physical Sciences
Doon university, Dehradun
In partial fulfillment of the requirements for the award of the degree of

MASTER IN PHYSICS

Submitted
By
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21PH-64



DEPARTMENT OF PHYSICS
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DOON UNIVERSITY, DEHRADUN UTTARAKHAND (INDIA)
2023

INVESTIGATION ON TERAHERTZ RADIATIONS AND ITS EFFECT ON HUMAN BODY

DISSERTATION

SUBMITTED TO

DEPARTMENT OF PHYSICS

DOON UNIVERSITY, DEHRADUN

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD
OF THE DEGREE OF

MASTERS

IN

PHYSICS

By

NIKITA UNIYAL



DEPARTMENT OF PHYSICS
SCHOOL OF PHYSICAL SCIENCES
DOON UNIVERSITY

2023

i

Certificate

This is to certify that the Dissertation entitled 'Investigation of Terahertz Radiation and its effect on human body' submitted by Nikita Uniyal has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledge.



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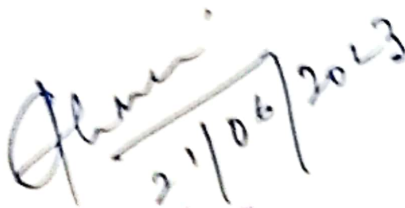
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1. INTRODUCTION

Terahertz (THz) radiation is an electromagnetic radiation whose frequency lies in between the microwave and infrared regions of the spectrum.

The THz region is typically defined to include the frequencies ranging from 0.1 to 10 THz, (where 1 THz equals 10^{12} Hz).

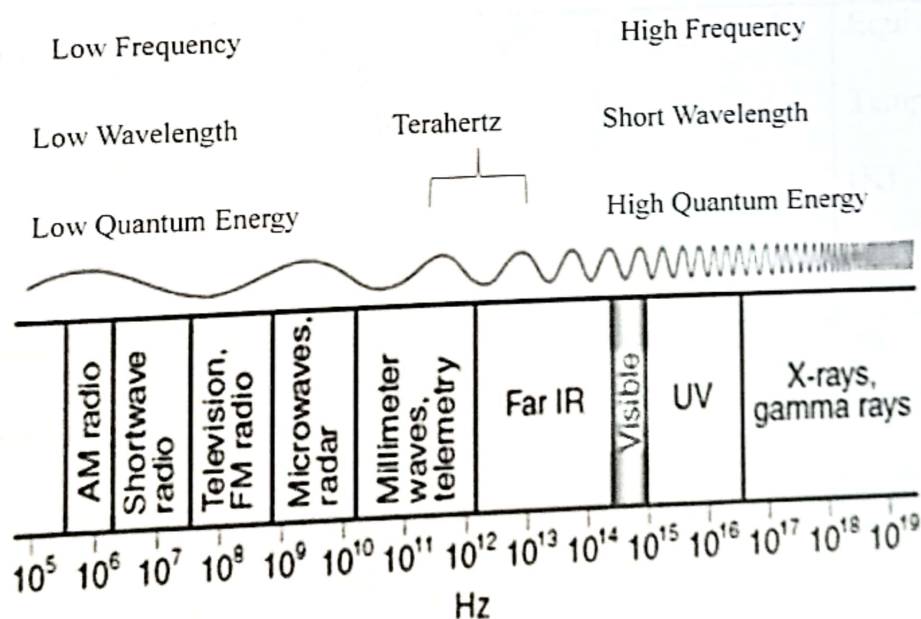
In terms of- wavelength (30–3000 μm)

wavenumber k (3.3–334 cm^{-1})

period t (0.1–10 picoseconds)

temperature T (4.8–478 K)

photon energy E (0.4–41 milli-electron volts)



In following sections first, we are going to introduce terahertz radiations, their various properties and applications. Second section consist of sources, detectors, various spectroscopy and imaging techniques. In third section we will talk about terahertz as a human body scanner.

SYNTHESIS AND CHARACTERIZATION OF MOLYBDENUM DISULPHIDE

DISSERTATION

Submitted to

Department of Physics

Doon University, Dehradun

for the partial fulfillment of the requirements for the award of the degree

of

MASTERS IN PHYSICS

By - JATIN NAINWAL



DEPARTMENT OF PHYSICS

SCHOOL OF PHYSICAL SCIENCES

DOON UNIVERSITY

[2023]

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(Supervisor/Guide)

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Himani

Dr. Himani Sharma
Head of Department, Physics
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INTRODUCTION

1.1 Nanotechnology

Nanotechnology, the science and engineering of materials at the nanoscale, has emerged as a field with the potential to revolutionize multiple sectors, including energy, medicine, electronics, and environmental science. In recent years, nanomaterials have gained widespread attention due to their unique physical and chemical properties that differ from their bulk counterparts [1]. The manipulation of these properties offers opportunities for the development of new materials and devices with enhanced properties and performance. The term "nanomaterials" refers to materials that have at least one dimension in the nanoscale range (1-100 nanometers). Nanomaterials can be classified into two broad categories: nanoparticles and nanocomposites. Nanoparticles are discrete particles that have a diameter of less than 100 nanometers, while nanocomposites are materials that consist of two or more different types of nanoparticles or a nanoparticle and a bulk material.

One of the most significant advantages of nanomaterials is their high surface area-to-volume ratio, which provides a large surface area for interactions with the environment. This feature makes them useful for applications such as catalysis, where the increased surface area enhances the reaction rate [2]. Nanomaterials also exhibit unique optical, electronic, and magnetic properties that can be exploited in various applications, including drug delivery, biosensing, and energy conversion. One of the most promising applications of nanomaterials is in the field of medicine. Nanoparticles can be engineered to target specific cells or tissues in the body, enabling the delivery of drugs directly to the affected area. Additionally,

**ANGULAR RESPONSE OF
n-TYPE HPGe
DETECTOR TO GAMMA RAYS**

DISSERTATION
SUBMITTED TO
SCHOOL OF PHYSICAL SCIENCES
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR
THE AWARD OF THE DEGREE OF

MASTERS IN PHYSICS

BY

RIDDHI TIWARI

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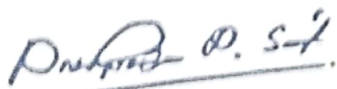


**DEPARTMENT OF PHYSICS
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DOON UNIVERSITY, DEHRADUN**

2023

CERTIFICATE

This is to certify that the dissertation entitled '**ANGULAR RESPONSE OF n-TYPE HPGe DETECTOR TO GAMMA RAYS**' submitted by **RIDDHI TIWARI** has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



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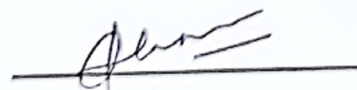
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CHAPTER 1

Introduction

1.1 Interaction of gamma-ray with matter

The three major mechanisms by which gamma ray interacts with the particles of matter are:

- Photoelectric absorption
- Compton Scattering
- Pair Production

All the above processes cause the partial or complete transfer of the gamma-ray photon energy to electron energy, leading to abrupt changes of the gamma-ray photon. The photon completely disappears or is scattered with a significant angle after the interaction[1]. This interaction completely contrasts the charged particle interactions where the photons slow down gradually through continuous and simultaneous interactions with many absorber atoms; conversely, in gamma-ray interaction, it either completely disappears or is scattered with a significant angle after the interaction.

1.1.1 Photoelectric Absorption

Photoelectric absorption occurs when a photon of given energy interacts with an absorber atom and vanishes completely. Consequently, the atom ejects a photoelectron from one of its bound shells, and the atom itself becomes ionized. The interaction cannot take place with free electrons. Provided sufficient initial gamma-ray energies, K-shell (most tightly bound) is the most probable origin of the photoelectron. The ejected photoelectron appears with the energy:

$$E_e = h\nu - E_b$$

RANGE MODELING FOR THERMAL IMAGING SYSTEMS

DISSERTATION

submitted to

Department of Physics

Doon University, Dehradun

*for the partial fulfillment of the requirements for the award of the degree
of*

MASTERS IN PHYSICS

By - Anurag Jaguri



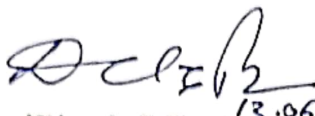
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DOON UNIVERSITY**


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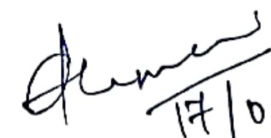
Certificate

I declare that the work presented in the Dissertation entitled [**Range Modeling For Thermal Imager**] submitted by [**Anurag Jaguri**] has been done under my supervision.

It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.


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Chapter 1

Preface

1.1 Introduction

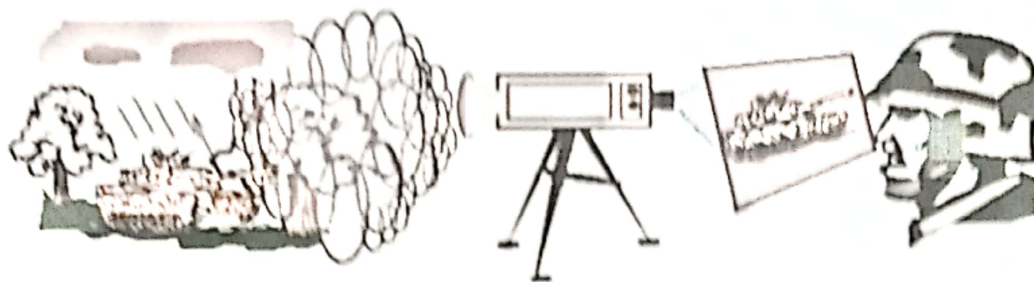


Figure 1.1: Soldier Trying to Identify a Tank as Friend or Foe

1.1.1 Background

Imaging technology has significantly advanced in recent years, revolutionizing various fields and opening up new avenues for research and applications. From medical diagnostics to remote sensing and surveillance, imaging systems play a crucial role in capturing and analyzing visual data. This research dissertation aims to investigate and contribute to the field of imaging by exploring novel techniques, analyzing their performance, and addressing key challenges.

1.1.2 Main Context

The field of thermal imaging systems plays a critical role in various applications, including military operations, surveillance, and firefighting. These systems provide the ability

SYNOPTIC SCALE DUST STORMS AND THEIR IMPACT ON THE HIMALAYAN REGION

DISSERTATION

SUBMITTED TO
DEPARTMENT OF PHYSICS
SCHOOL OF PHYSICAL SCIENCES
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
OF THE DEGREE OF

**Master in
PHYSICS**

BY

APURV DHYANI

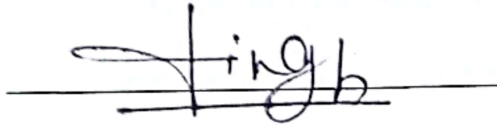


DEPARTMENT OF PHYSICS
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(INDIA)

2023

Certificate

This is to certify that the Dissertation entitled “*Synoptic Scale Dust Storms and their Impact on the Himalayan Region*” submitted by *Apurv Dhyani*, has been done under my supervision. It is also certified that the work in this Dissertation embodies the original research and hard work of the candidate. The assistance and support received during the course of the investigation and all the sources of literature have been fully acknowledged.



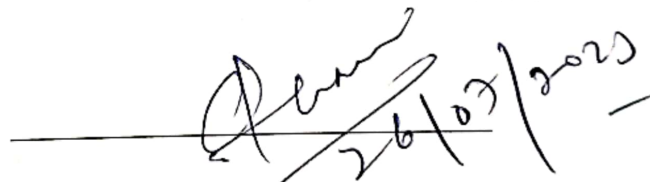
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Chapter 1

Introduction

1.1 Why Study Dust?

One of the main atmospheric constituents and a significant natural source of atmospheric particulate matter is airborne dust, which is primarily emitted from soils in arid and semi-arid regions. The most significant aerosol by mass is dust, which is more significant than other aerosols such as sea salt, soot from natural fires, sulphates from industrial exhaust, ash from volcanic eruptions, and sulphates (Knippertz & Stuut, 2014). Atmospheric dust can modulate Earth's radiation budget and atmospheric dynamics. It delivers micronutrients from source regions to various remote continental and maritime ecosystems. It negatively impacts human health and lifestyle by causing various respiratory diseases and infections, and it can also trigger serious epidemics by carrying pathogens. It can dim the solar radiation reaching the surface of solar panels, thus reducing their efficiency, and it can affect plant life in a similar manner by dimming the solar radiation reaching the surface of their leaves. Dust deposits on snow and ice in the glaciated regions, thus changing the albedo and ice crystal structure and altering the melting behaviour and snowpack energy balance. It also plays an important role in different aspects of weather and climate dynamics, cloud microphysics, and atmospheric chemistry. The International Panel on Climate Change's fifth assessment and fourth assessments both emphasize the limited information that is understood scientifically about the effects of aerosols, both natural and anthropogenic, on climate. This necessitates the need to further advance our understanding of dust mobilisation, dispersal, and deposition, as well as the impacts of atmospheric dust.

PROBING THE EAST-WEST ASYMMETRY OF COSMIC RAYS WITH GRAPES-3 MUON TELESCOPE

DISSERTATION

SUBMITTED TO

SCHOOL OF PHYSICAL SCIENCES

DOON UNIVERSITY, DEHRADUN

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR

THE AWARD OF THE DEGREE OF

MASTERS IN PHYSICS

By

PRACHI RAWAT

ENROLLMENT ID: 18 PH-19



DEPARTMENT OF PHYSICS

SCHOOL OF PHYSICAL SCIENCES

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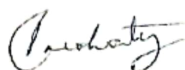
UTTARAKHAND (INDIA)

2023



Certificate

This is to certify that the dissertation entitled '**PROBING THE EAST-WEST ASYMMETRY OF COSMIC RAYS WITH GRAPES-3 MUON TELESCOPE**', submitted by **PRACHI RAWAT** has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



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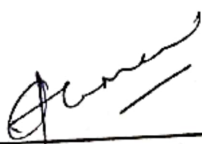
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1 Introduction

In this dissertation, we briefly studied about the cosmic muon distribution and its dependence on the zenith angle (θ). Furthermore, we used the Monte Carlo simulation and compared it with one day data of GRAPES-3 data and observed the East-West asymmetry.

1.1 Cosmic Rays: An Introductory Overview

Cosmic rays, predominantly originating from outer space, are highly energetic particles. Some of these particles are believed to come from sources outside our galaxy. The primary cosmic rays are composed of 90% protons, 9% alpha particles, and a small percentage of heavier nuclei. When the primary cosmic rays collide with gas molecules in the atmosphere, secondary cosmic rays are produced. These secondary particles, as depicted in Fig. 1.1, mainly consist of pions and a few kaons. Neutral pions (π^0) undergo decay, generating gamma rays that form electromagnetic showers (e^+ , e^- , γ). These showers have limited penetration capability. Charged pions (π^+ , π^-) decay into muons and neutrinos.

Muons, which are essentially heavier electrons, share similar spin and charge properties but have approximately 200 times greater mass. Muons are unstable, with positive muons (μ^+) decaying into a positron and two neutrinos, and negative muons (μ^-) decaying into an electron and two neutrinos. While muons are minimally affected by Bremsstrahlung radiation due to their larger mass, electrons rely on it significantly. Bremsstrahlung radiation refers to the emission of radiation resulting from the deceleration of a particle. The amount of Bremsstrahlung radiation is inversely proportional to the square of the mass of the radiating particle. Neutrinos, on the other hand, have a minute interaction cross-section and often traverse through the Earth without significant further interactions.

The muon particle is among the most frequently observed particles that can reach the ground level. The average muon flux at sea-level is approximately one muon per square centimeter per minute, with a mean energy of about 4 GeV. The flux of low energy muons (less than 10

**EXPLORING THE PHENOMENON OF ACADEMIC
PROCRASTINATION AMONG COLLEGE STUDENTS:
FACTORS, IMPLICATIONS AND STRATEGIES**

**DISSERTATION
SUBMITTED TO
DEPARTMENT OF PSYCHOLOGY
SCHOOL OF SOCIAL SCIENCES
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF**

**MASTERS
IN
PSYCHOLOGY**

**BY
NISHITA NAYYAR**

**SUPERVISOR
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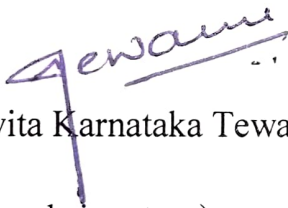


SESSION 2021-2023

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This is to certify that the Dissertation entitled “Exploring the relationship between academic procrastination and fear of failure in undergraduate students and its impact on academic coping strategies used by the students” submitted by Nishita Nayyar has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



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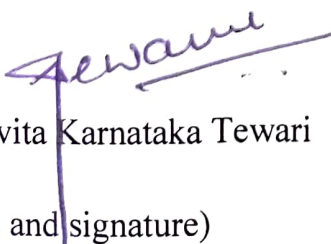
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1. INTRODUCTION

Academics is the process and period where the student is expected to be devoted to his/her studies, and acquire all the knowledge and skill based on which he will survive and earn in this world. In our country where academics is seen as a means to success and a bar up to which each person is expected to reach. Still, it is also most aversive for some people since the constant pressure attached to it. The arising competition is acting as fuel to this aversion. Students have to engage in various courses to survive in this world of competition.

But, in recent times, these students are also the greatest victims of theft. Procrastination. Rightly said, procrastination is the thief of time, and students these days are deeply involved in the practice of Academic Procrastination. It can be defined as the inability to sufficiently motivate oneself to complete an academic assignment, which results in delays in starting or finishing the task. (Sepehrian, 2012).

The above two statements may sound contradictory to each other but this is the reality to most of the students. Though sometimes delay in doing these activities can be advantageous or non-harming, the issue arises when the student delays the work to sometime later and have inner discomfort which can be in the form of guilt, self-doubt, frustration, anxiety, or regret. The other side or outcomes of this procrastination can be seen as impairment in performance, obstacles in progress, hampering self-esteem, or, questioning of self. (Lay & Schouwenburg, 1993)

There have been various studies conducted for identifying reasons of academic procrastination through which several factors are found to be responsible for the indulgence of student in this process of delaying their academics related tasks. Some of the commonly found causes are lack of guidance, motivation and encouragement, student's inability to commit to the work and inappropriate management of time, addition to overconfidence and daily hassles in social and emotional environment. (Hussain & Sultan, 2010)

Another reason of procrastination, which is exclusively pointed out by most of the parents and teachers is Internet Usage. A study done by Meier (2016), mentioned a term 'facebocrastination' to relate the use of Facebook as a tool of students and simultaneously cause of procrastination within them.

**TO STUDY EMOTIONAL REGULATION AND SELF-
ESTEEM AMONG YOUNG ADULTS LIVING WITH
CAREGIVERS AND LIVING ALONE**

SUBMITTED TO DEPARTMENT OF PSYCHOLOGY

DOON UNIVERSITY, DEHRADUN

**IN PARTIAL FULFILMENT OF THE REQUIRMENTS FOR THE AWARD OF THE
DEGREE OF**

MASTERS

IN

PSYCHOLOGY

BY VAANYA NANADA

UNDER THE SUPERVISION OF

DR RAJESH BHATT



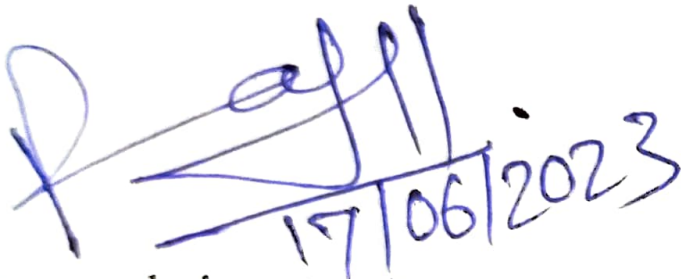
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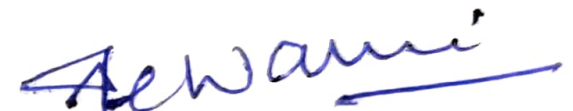
CERTIFICATE

This is to certify that the Dissertation entitled “TO STUDY EMOTIONAL REGULATION AND SELF ESTEEM AMONG YOUNG ADULTS LIVING WITH CAREGIVERS AND ALONE” submitted by Vaanya Nanda has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



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Supervisor/ guide



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Co-supervisor/ guide

INTRODUCTION

The research is based on the emotional regulation and self esteem of college going young adults living with caregivers and living alone. The young adults are to be between 18-25 years of age going to college. In the journey towards adulthood, the transition from adolescence to young adulthood is a critical phase characterized by significant changes and newfound independence. For college-going young adults, the choice of living arrangements during this period can have a profound impact on their emotional well-being and overall adjustment to adult life. Specifically, the decision to live with caregivers or to live alone presents a unique set of opportunities and challenges. Living with caregivers offers a sense of familiarity, emotional support, and financial stability, while living alone provides increased independence and the chance to develop crucial life skills. Understanding the implications of these different living arrangements on emotional regulation and self-esteem is crucial for promoting the psychological well-being of young adults. This study aims to investigate the influence of living arrangements (living with caregivers versus living alone) on emotional regulation and self-esteem among college-going young adults. By exploring the experiences and challenges associated with these living arrangements, this research seeks to provide valuable insights for researchers, practitioners, and policymakers in supporting the emotional needs of young adults during their transition to adulthood.

The introduction chapter includes the theme of the research which is to study emotional regulation and self esteem amongst young adults living with caregivers and living alone who are pursuing higher education and are currently in university or colleges. The study has been done on a population of young adults from Dehradun city in Uttarakhand going to college or university. The students are from other states currently residing in hostels or living independently without a caregiver and students who belong to the city itself and are living with their caregivers. The introduction chapter also covers the statement of purpose where the study aims to fill the existing gap in knowledge and provide a comprehensive understanding of how living arrangements, specifically living with caregivers versus living alone, influence emotional regulation and self-esteem in college-going young adults. The purpose and significance of research is the emotional regulation and self-esteem of college-going young adults living with caregivers and living alone is to gain a deeper understanding of the impact of different living arrangements on these psychological factors. The transition to adulthood for college-going young adults involves a shift in living arrangements, which can have a significant impact on their emotional well-being. Emotional regulation and self-esteem are

Perceived Parenting Style And Neuroticism Among College Students

**SUBMITTED TO THE DEPARTMENT OF
PSYCHOLOGY**

DOON UNIVERSITY , DEHRADUN

**IN FULFILMENT OF THE REQUIREMENTS FOR THE
AWARD OF THE DEGREE OF**

MASTERS

IN

PSYCHOLOGY

BY NIDHI GOVIND

UNDER THE SUPERVISION OF

DR RAJESH BHATT



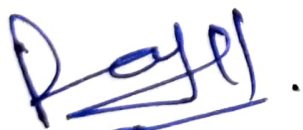
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Co-Supervisor/Guide



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Head of Department

INTRODUCTION

Today, many parents complain about their kid's personalities and behaviour without acknowledging that one of the main causes is their parenting style and the environment they have created. The strong influence of the family environment affects the personality development of a child; according to *I. Syndrova* (2008) family is the most important factor, which influences the formation and maturation of the personality. The family is a significant influence on various aspects of an individual's life, including their happiness, satisfaction, love, and overall healthy development. However, it is important to acknowledge that family dynamics can also give rise to negative experiences such as dissatisfaction, conflict, and suffering. These negative influences can have far-reaching effects on individuals, impacting various areas of their lives. For instance, they may increase the likelihood of engaging in risky behaviours like substance abuse. Family experiences can also contribute to the development of mental health issues and adjustment problems. Furthermore, the impact of the family extends beyond psychological well-being and can also affect an individual's physical health. It is crucial to recognize the complex and multifaceted role of the family in shaping an individual's overall well-being

Bowlby's attachment theory proposes that when parents are unresponsive to a child's needs or limit their child's autonomy, it can contribute to the emergence of an anxious attachment style in the child.. Children with such anxious attachment styles grow up having anxious, insecure, over-dependent, or immature personalities also they are at higher risk for developing psychiatric disorders such as depression, anxiety disorder, and other disorders. Children are significantly impacted by the

**A CORRELATION STUDY ON THE LEVEL OF SELF-COMPASSION,
GRIT, AND LIFE SATISFACTION AMONG UNIVERSITY STUDENTS**

**DISSERTATION
UNDER THE SUPERVISION OF
DR. RAJESH BHATT**

**SUBMITTED TO THE DEPARTMENT OF PSYCHOLOGY
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF
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**IN
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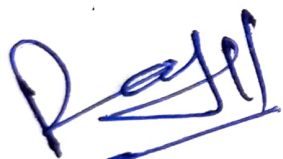


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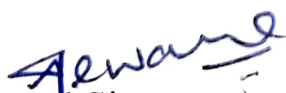
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1.1 Statement of the Problem

Recent research indicates that shortly after starting college, more than 50% of university students experience signs of depression (Dahlin et al., 2005; Dessie et al., 2013; Kumar, 2016; Verger et al., 2010). A number of studies from North America and Europe demonstrate that college or university students experience more mental distress than the general population (Dessie et al., 2013; Kumar, 2016; Verger et al., 2010). In addition, countless university students report severe sleep-related issues. In other study by Taylor et al., (2013), results revealed that problematic alcohol and drug use was prevalent in this group and was linked to clinically significant anxiety and sadness. Moreover, Depression and anxiety were the most frequently identified causes of sleep problems (Taylor et al., 2013). life at college does not pleases every youth and can be extremely tough and stressful for many students. Research on this section of population has not been touched by many and since it is an important group of society in terms of human capital, and economic it is vital to enhance the well-being of university students. The study of stress among college students is currently centred on the sources of stress (aka stressors), coping mechanisms, and related outcomes.

According to, Abu-Ghazaleh et al. (2011), and Behere et al. (2011), academic stress is among the most significant variables affecting the magnitude of stress. Regardless of their age, sex, education level, parent's occupation etc., stress appears to be a universally widespread condition in all students (Behere et al., 2011). A majority of Indian college students reported experiencing moderate to low levels of stress, where a number of students had significant levels of stress (Chhetri et al., 2021). Likewise, Kumar et al., (2016) in a study found that students from various disciplines, including the medical, engineering, and social sciences, experience a significant high level of psychological distress. The educational system in India is workbook-based and heavily emphasizes cramming for exams, demanding extensive study sessions. The hectic routine leaves little or no time for socializing and other activities (Deb et al., 2015).

In India, parents are primarily responsible for their children's choice of streams or fields. They provide them with the necessary resources and devote their time, money, and energy towards their well-being. Parents in India place a high value on their children's academic performance. Programmes such as, undergraduate, postgraduate, and doctoral degree in arts, sciences, and business are among the most common choice for Indian students. Due to the economic importance of education, several students from underdeveloped regions of India move to locations with better academic resources (Alonso et al., 2020). Therefore, many

**COGNITIVE DISTORTIONS AMONG THE UNIVERSITY STUDENTS:
ASSESSING THE PREVALENCE IN ACHIEVEMENT AND SOCIAL
CONTEXT**

DISSERTATION

SUBMITTED TO

DEPARTMENT OF PSYCHOLOGY

SCHOOL OF SOCIAL SCIENCES

DOON UNIVERSITY, DEHRADUN

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS

FOR THE AWARD OF THE DEGREE OF

MASTERS

IN

PSYCHOLOGY

BY

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SESSION 2021-2023

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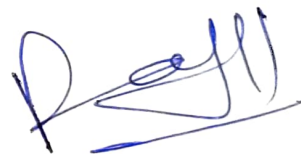
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Dr. Savita Karnatak Tewari

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Head of Department

INTRODUCTION

The human brain, a remarkable organ, serves as the epicenter of our thoughts, emotions, and behaviors. In the field of psychology, the study of the brain is an essential component, as it provides insights into the intricate workings of the mind. With its vast network of neurons and complex neural pathways, the brain orchestrates the synthesis of our experiences, memories, and perceptions, shaping our very sense of self. Understanding the interplay between brain function and psychological processes offers a profound understanding of human behavior, mental health, and cognitive abilities. Delving into the enigmatic realm of the brain allows us to unravel the mysteries of the human psyche.

Thinking is a fundamental cognitive process that enables us to interpret, analyze, and make sense of the world around us. It involves mental activities such as perception, memory, reasoning, problem-solving, and decision-making. Our thoughts shape our perceptions, emotions, and behaviors, influencing every aspect of our lives. For instance, when faced with a challenging situation, our thinking processes determine how we approach and resolve it. For example, if someone believes they are incapable of succeeding, they may feel discouraged and avoid taking necessary actions. Understanding the intricacies of thinking allows us to enhance our cognitive abilities, challenge cognitive biases, and make more informed choices, leading to personal growth and well-being. There are some key elements of thinking such as concepts, propositions and images. On these basic elements these cognitive elements are built, namely, cognitive processes, cognitive biases, cognitive development, cognitive schemas and beliefs, cognitive flexibility, metacognition.

The reason why one is unhappy is never because of the situation but the thoughts one has about it.

The text above indicates distortion in thinking process which is cognitive distortion. There is a relationship between cognitive distortions and thinking. The connection between thinking and cognitive distortions is highly intertwined. Cognitive distortions refer to distorted patterns of thinking that are biased, exaggerated, or altered, resulting in distorted perceptions of reality and negative emotions. Our thoughts, beliefs, and how we interpret events play a crucial role in the formation and persistence of cognitive distortions. The way we perceive and understand events is influenced by different factors such as our previous experiences, cultural background, and personal

Thesis Project
on
**VISUAL IDENTITY DESIGN FOR
PAUSE, A COMMUNITY CAFE**

Submitted in Partial Fulfilment of the Degree
BACHELOR OF DESIGN
(2019 - 2023)

BY
AKSHITA SEMWAL

Under the Supervision Of
Ms Dhriti Dhaundiyal
School of Design



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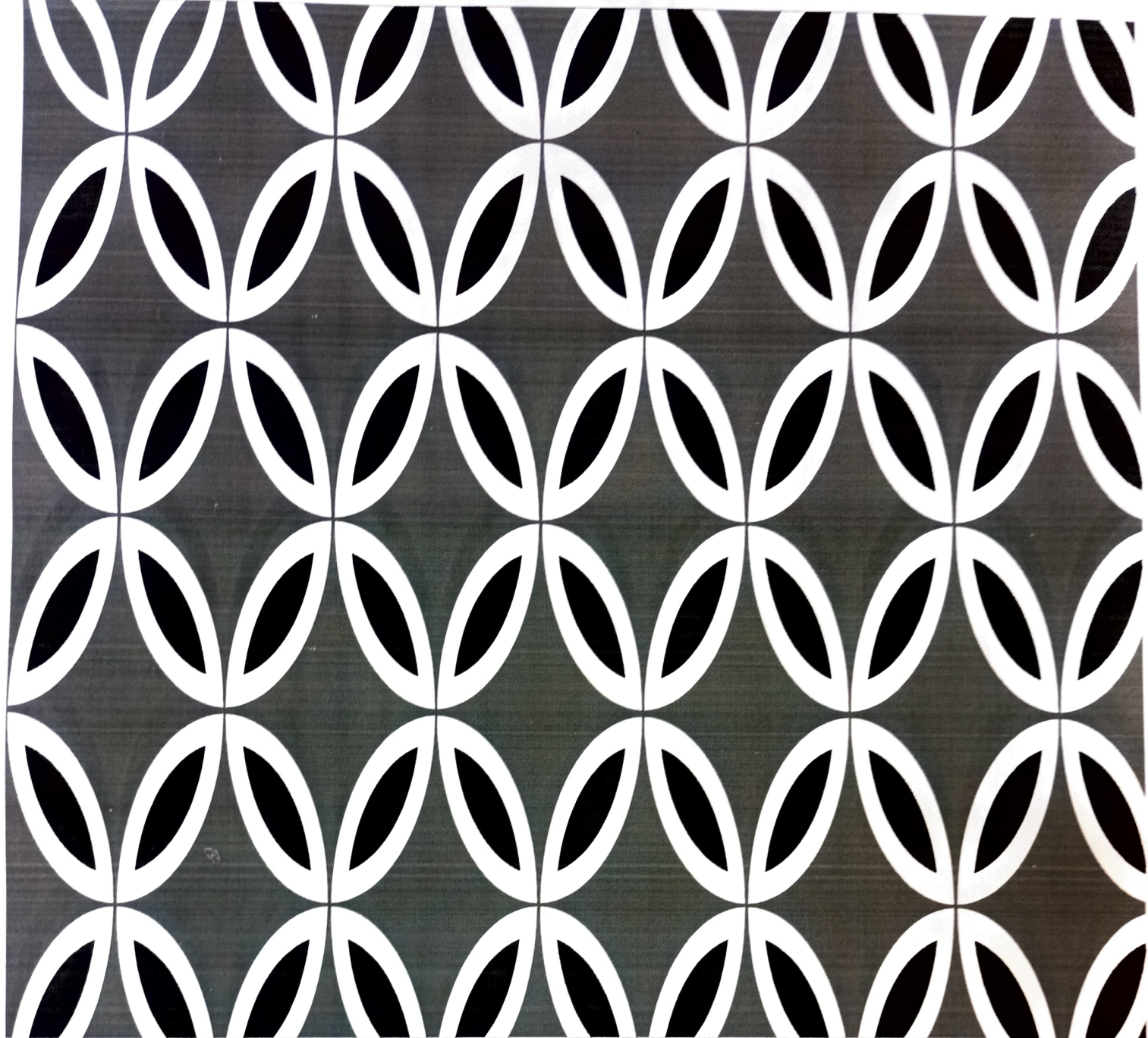
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INTERNSHIP REPORT

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Doon University

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Signature of Student

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7.07.23

Signature of Student

7.07.23 **Date**

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Doon University

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ROHIT NEGI
SOD 113

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INTERNSHIP REPORT

SCHOOL OF DESIGN

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Doon University

DABUR INDIA LTD

SATVIKA GUPTA
SOD 100

Internship Report

School of Design

Doon University

Dhriti Dhaundiyal

Dhriti Dhaundiyal
HOD I/C School of Design
Doon University

Advertisement Mascot Design Project For Nature Fresh Professional

DESIGN THESIS
SUBMITTED TO
SCHOOL OF DESIGN
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILMENTT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF

**BACHELORS
IN
DESIGN**

BY

AAKRITI NAUTIYAL



**DESIGN DEPARTMENT
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DOON UNIVERSITY**

2015-19

Declaration

I declare that the work presented in the Design Thesis entitled ' Advertisement Mascot Design Project ' being submitted to the School of Design, Doon University, Dehradun for the award of Bachelor in Design is my original project work.

The Design Thesis embodies the results of research, ideation and project execution carried out by me. I have neither plagiarized any part of the dissertation nor have submitted same work for the award of any other degree/diploma anywhere.



(Signature)

Aakriti Nautiyal

SOD- 003

Certificate

This is to certify that the Design Thesis entitled "Advertisement Mascot Design Project " submitted by Aakriti Nautiyal has been done under my supervision. It is also certified that the work in this Dissertation embodies original designs and hard work of the candidate.
The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



(Name and signature)
Academic Supervisor/Guide

(Name and signature)
Industry Sponsor/Guide



(Name and signature)
Head of Department

School of Design
Doon University

RUNG RAJU PATU

REGIONAL MAP OF THE RUNG TRIBE

Graduation Project by **Anubhav Kukreti**

Guided by **Ms. Priyanka Tolia**

Sponsored by **Rung Kalyan Sanstha**

Graphic Design, B.Des, 2020,
School of Design, Doon University

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Campaign: Promotion For Cyberhub

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DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF

**BACHELORS
IN
DESIGN**

BY

DEEPTI JUHAL



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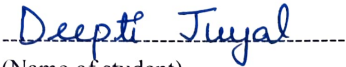
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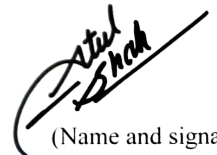
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THESIS PROJECT
ON

“ GAME DESIGN ON SELF CONCEPT ”

Submitted in Partial Fulfillment of the Requirement for the Degree of
BACHELORS OF DESIGN
(2016 - 2020)

BY
MUSKAN SRIVASTAVA
B.Des VIII Semester (Graphic Design)

Under the Supervision Of
Mrs. Richa Pant



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Bachelor of Design, Graphic Design, 2016-20
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GRADUATION PROJECT

Branding for iVoltaa

DESIGN THESIS
SUBMITTED TO
SCHOOL OF DESIGN
DOON UNIVERSITY DEHRADUN
IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS
FOR THE AWARD DEGREE OF
BACHLORS IN DESIGN

BY
NIMISHA KHARE
UNDER THE SUPERVISION OF
MRS.RICHA PANT
(FACULTY GUIDE SCHOOL OF DESIGN)



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DOON UNIVERSITY

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SOD- 028

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JUMBLE TUMBLE MARBLE ROLL

TOY IN MAKING LEARNING SMARTER

Amrita Bisht | Product Design | Graduation Project | 2015 -2019

Smartivity



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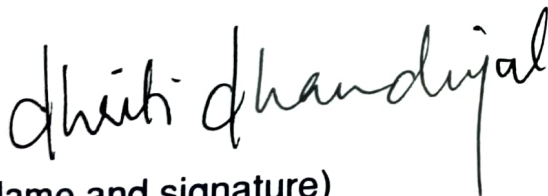
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Doon University

NSG MUSEUM

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IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF

**BACHELORS
IN
DESIGN**

BY

DIVYA RAWAT



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Rahul Bahuguna

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MOBILE OFFICE BUS

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BACHELORS
IN
DESIGN

BY

NISHANT DHIMAN



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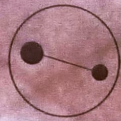


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EXCEL COMBAT

DESIGN THESIS



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IN
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BY

SNEHA NEGI



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Rahul Batuguna

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外语学院，中文系

苏杰生演讲的批评话语分析与其在中国的影响：基于在斯洛伐克举行的 GLOBESEC 2022 布拉迪斯拉发论坛上发表的演讲

A Critical Discourse Analysis and Impact of the S. Jaishankar Speech in China: Based on the delivered speech in Slovakia during GLOBESEC 2022 Bratislava Forum

研究生名字： 王伟平 ， Deepanshu Saini

学科，专业： 中文

研究方向： 中国政治修辞

指导教师姓名,职称: Mr Shanky Chandra , Assistant Professor

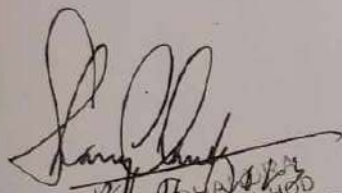
提交日期: 6th June '2023


Abstract

India and China are two of the world's oldest civilizations with rich cultural and historical backgrounds. India-China relations have a long history and the mutual relations between the two countries are one of the important bilateral relations for their diplomacy. But after the 1962 war, the diplomatic relations between the two countries broke down. While Rajiv Gandhi's visit to China in 1988 was an important moment in the history of India-China relations and helped lay the foundation for improved relations between India and China, the 2020 Galwan Valley conflict brought India-China relations to their lowest point in decades. But surprisingly in 2022, Indian Foreign Minister S. Jaishankar's speech at the GLOBESEC 2022 Bratislava Forum in Slovakia became popular in China. Despite the fact that S. Jaishankar's speech was severely criticized by the West, his speech was highly praised by the Chinese foreign minister as well as by the netizens. The objective of this dissertation is to find out why did S. Jaishankar's speech become so popular in China? Has his rhetoric and metaphor about Europe and the Western countries played a significant role in appeasing the Chinese netizens? Is there any historical background that resonate with the sentiments of Chinese and Indian people? I hope my dissertation will raises some valid questions.

CERTIFICATE

This is to certify that the Dissertation entitled “苏杰生演讲的批评话语分析与其在中国的影响：基于在斯洛伐克举行的 GLOBESEC 2022 布拉迪斯拉发论坛上发表的演讲” submitted by Deepanshu Saini has been done under my supervision. It also certified that the work in this Dissertation embodies the candidate's original research and hard work. This assistance and support received during the investigation and all the sources of literature have been fully acknowledged.


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School of Language,
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Department of Chinese Studies
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杜恩大学

外语学院，中文系

中国电影中的同性恋表现：《东宫西共》的案例研究

**Representation of Homosexuality in Chinese Films: A case study of
“East Palace West Palace”**

研究生名字: 吴刚, Himanshu Tripathi

学科, 专业: 中文

研究方向: 中国文学

指导教师姓名, 职称: Mr. Madhurendra Kumar Jha, Assistant Professor

提交日期: 3rd June 2023

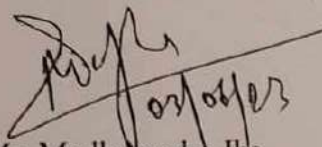
Abstract

The objective of this research paper is to examine the cultural and societal views on homosexuality in China, with a specific emphasis on the film "East Palace West Palace." By analyzing this film, the intention is to gain a deeper comprehension of the obstacles encountered by the LGBTQ+ community in China, their pursuit for acceptance and equality, and the advancements made since the late 20th century. Moreover, discussing the portrayal of homosexuality in Chinese cinema throughout the years can serve as an indicator to measure changes in societal attitudes and the current situation of homosexuals in 21st century China. The introduction of the "open door" policy in the 1980s facilitated the emergence of a more visible LGBTQ+ community, indicating the evolving political landscape in China. The release of Zhang Yuan's film "East Palace West Palace" in 1996 is recognized as a significant moment in Chinese cultural history. This film tackled the topic of homosexuality in a compassionate and nuanced manner, challenging prevailing pathologizing perspectives and depicting the challenges faced by LGBTQ+ individuals in China. Its release marked a pivotal shift in public discourse, fostering greater acceptance and understanding. The research paper aims to enhance our comprehension of the cultural and societal attitudes towards homosexuality in China, the hurdles encountered by the LGBTQ+ community, and the progress achieved over time. The analysis of "East Palace West Palace" will serve as a lens to explore these themes and provide insights into the representation and acceptance of homosexuality in Chinese cinema.

I hope my dissertation will raise some valid questions.

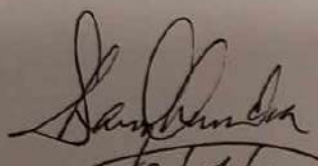
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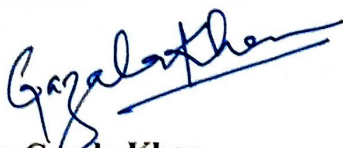


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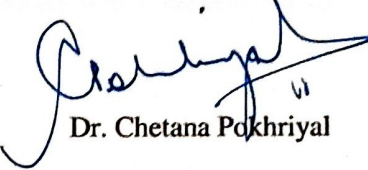
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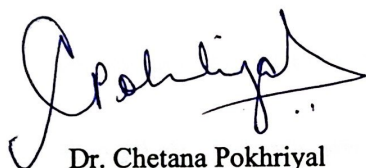
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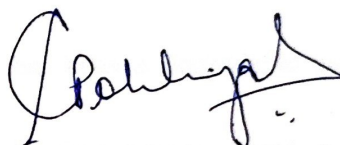


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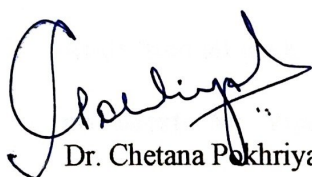
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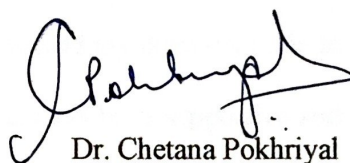
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(Head of Department)

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(Supervisor)

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Department of English

School of Languages

Doon University



Dr. Chetana Pokhriyal

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Department of English

School of Languages

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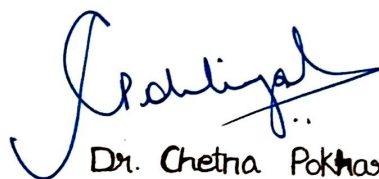
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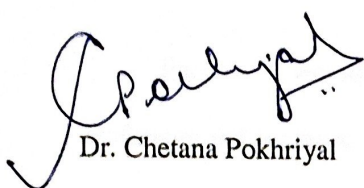
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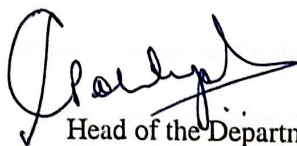
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Department of English,

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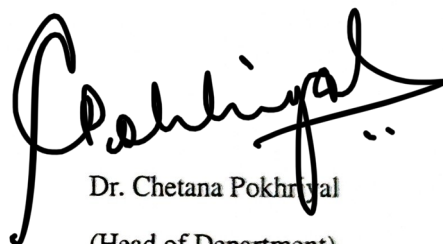
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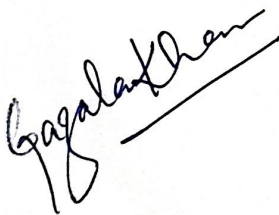
School of Languages

Doon University

Certificate

This is to certify that the dissertation entitled, "Albert Camus' *The Plague* and the absurdity of existence in the pandemic years," submitted by Vaishnavi Rana has been done under my supervision. It is also certified that the work in this dissertation embodies original research and hard work of the candidate.

The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



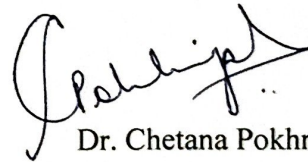
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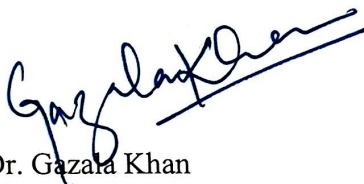
School of Language

Doon University

Certificate

This is to certify that the dissertation Psychoanalysis of the protagonist in Gillian Flynn's *Gone Girl* by Tanishka Rana is submitted in partial fulfilment of the requirements for the award of the degree of B.A. (Honours) English under the supervision of Dr. Gazala Khan, Department of English, School Of Language, Doon University, Dehradun, Uttarakhand.

This is an original work and the dissertation fulfills the requirements of this University and meets the standards for submission. The content of this dissertation have not been submitted either in part or in full for the award of any other degree or diploma in this or any other University.

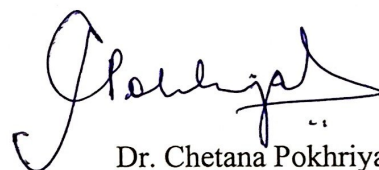


Dr. Gazala Khan

(Supervisor)

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Dr. Chetana Pokhriyal

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Certificate

This is to certify that the Dissertation entitled “Analysing *The Unquiet Woods* by Ramchandra Guha through various Ecocritical Perspectives and Linking it to the Dynamic Phenomenon of Climate Change” submitted by Harshita Rawat has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. This assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.

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Certificate

This is to certify that the dissertation entitled 'Pantheism in Enid Blyton's *The Enchanted Wood*: An Ecocritical Analysis,' submitted by Vansika, has been written under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

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Dr. Gazala Khan

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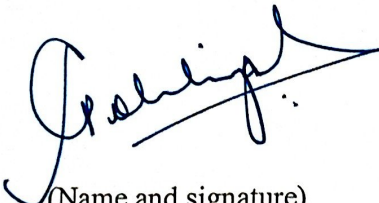
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This is to certify that the Dissertation entitled 'Portrayal of Casteism and Exploitation of Women in *Draupadi and Breast Giver*' submitted by Ishika Thapliyal has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

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(Name and signature)
Supervisor/Guide

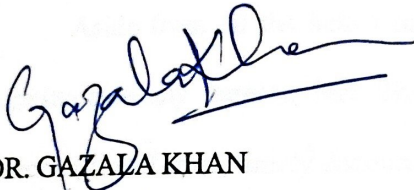


(Name and signature)
Head of Department

Certificate

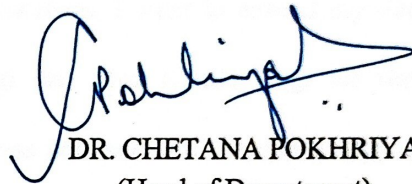
This is to certify that the Dissertation entitled "The Study of Female Characters in Chitra Banerjee Divakaruni's *Palace of Illusions*" submitted by Ms. Tamanna Negi has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



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This is to certify that the Dissertation entitled **Representation of the Adversity Faced by Women in the Folk Songs of Uttarakhand** submitted by Dipalee Upadhyay has been done under my supervision. It is also certified that the work in this Dissertation embodies the original research and hard work of the candidate.

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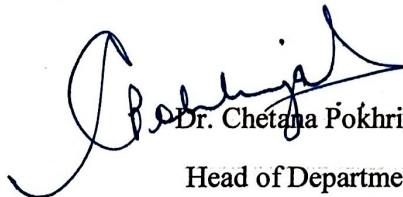
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This is to certify that the Dissertation entitled "Appropriation of Mythology: A Comparative Study of *Immortals of Meluha* and *Dharmayoddha Kalki: Avatar of Vishnu*" submitted by Ms. Shweta Bisht has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged



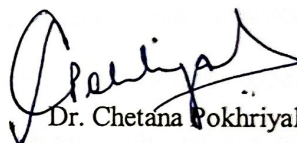
Dr. Chetana Pokhriyal

(Supervisor)

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(Head of Department)

Department of English

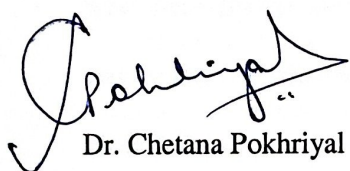
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Certificate

This is to certify that the Dissertation entitled 'Understanding the traditional roles of women in the three countries (Italy, India and Indonesia) in *Eat Pray Love* by Elizabeth Gilbert' submitted by Miss Sanjana Rana has been done under my supervision. It is also certified that the work done in this dissertation embodies original research and hard work of the candidate.

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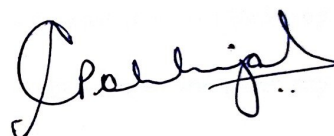
Dr. Chetana Pokhriyal

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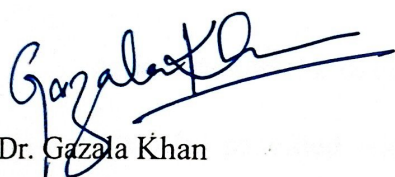
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Certificate

This is to certify that the Dissertation entitled "A Comparative Study in D.H.Lawrence's *Odour of Chrysanthemums* with Reference to its Film Adaptation" was prepared by Ms. Vaishnavi Binjola under my supervision and guidance in the Department of English, School of Language, Doon University, Dehradun. To the best of my knowledge, the work is a result of original investigation and study done by her. It is further certified that she has completed the dissertation within stipulated time allotted to her.



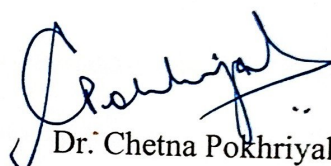
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(Head of Department)

Department of English

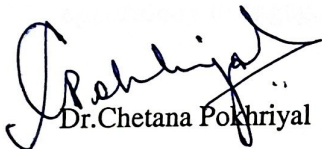
School of Languages

Doon University

Certificate

This is to certify that the Dissertation entitled 'Comparative Study of African American Women and Dalit Women in Alice Walker's *The Color Purple* and Bama's *Karakku* through Feminist Perspective' submitted by Ms.Unzila Shams has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

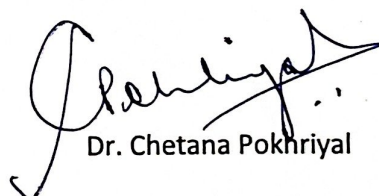
The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



Dr.Chetana Pokhriyal

(Head of Department,
Department of English,
School Of Languages, School Of Languages,
Doon University)

Supervisor/Guide



Dr. Chetana Pokhriyal
Head of Department

CERTIFICATE

This to certify that the dissertation entitled Aphra Behn's *The Rover*: Representation of the Restoration Women was prepared by Deeksha Purohit under my supervision and guidance in the Department of English, School of Languages, Doon University, Dehradun. To the best of my knowledge, the work is a result of original investigation and study done by her. It is further certified that she has completed the dissertation within the stipulated time allotted to her.



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Head of Department

Dr. Chetana Pokhriyal

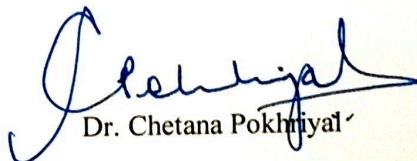
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Dr. Chetana Pokhriyal

(Supervisor)



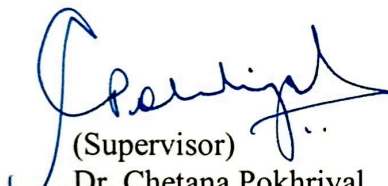
Dr. Chetana Pokhriyal

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Certificate

This is to certify that the Dissertation entitled “An Ecofeminist Evaluation of *Kalidasa Abhijana Shakuntalam*” submitted by Miss. Aishwarya has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

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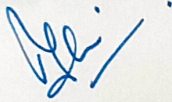
(Supervisor)
Dr. Chetana Pokhriyal
Head of Department

Certificate

This is to certify that the Dissertation entitled "Sisterhood in *The Liberation of Sita*" submitted by Aparna Arora has been done under my supervision.

It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.

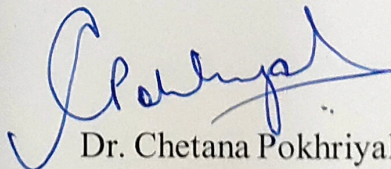


Dr. Richa J. Pandey

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Assistant Professor

Doon University



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Head of Department

Doon University

Certificate

This is to certify that the Dissertation entitled “**Themes of War and Trauma in Viktor Frankl’s: *Man’s Search For Meaning***” submitted by Anushka Lekharu has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

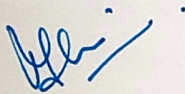
I also dedicate this work to my supervisor Dr. Richa Joshi Pandey, whose constant

The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.

Dr. Chetana Pokhriyal for giving me the opportunity to present this Dissertation.

Lastly, I dedicate this work to our Almighty God for the continued blessings. Thank you for the guidance, support, strength, power of mind, protection and skills. All of these, I offer to you.

Signature:



Name: Dr. Richa Joshi Pandey

Supervisor/Guide



Certificate

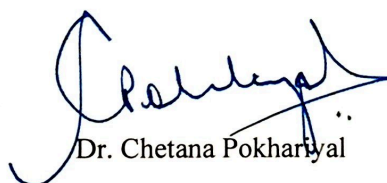
This is to certify that the Dissertation entitled "**A Socio-Cultural study of African-American women in Maya Angelou's 'And still I rise and Phenomenal woman'**" submitted by Ms. Anushka Bhaisora has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

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Dr. Richa Joshi Pandey

Supervisor



Dr. Chetana Pokharyal

Head of Department

Certificate

This is to certify that the Dissertation entitled "**Patriarchal bargains and Dowry deaths : A study of Dina Mehta's *Brides are not for Burning***" submitted by **Kritika Rawat** has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

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Dr. Chetana Pokhriyal

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Associate Professor

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Dr. Chetana Pokhriyal

(Head of Department)

Certificate

This to certify that the dissertation entitled **Exploring the Theme of Nationalism in Literature of Uttarakhand with the Arrival of the Press: A Study of the Influence of the British Raj in Uttarakhand** submitted by **Ms. Radhika Dhasmana** under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



Dr. Richa Joshi Pandey

Supervisor/Guide


(Signature)

Dr. Chetna Pokhriyal

Head Of the Department



Certificate

This to certify that the dissertation entitled “**Feminism in Shashi Deshpande’s *That Long Silence***” was prepared by **Ms Gunjan Khatri** under my supervision and guidance in the Department of English, School of Languages, Doon University, Dehradun. To the best of my knowledge, the work is a result of original investigation and study done by him. It is further certified that he has completed the dissertation within the stipulated time allotted to him.



Dr. Chetana Pokhriyal

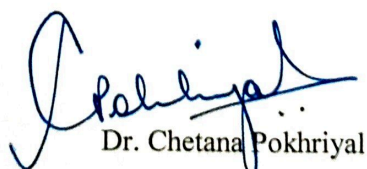
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Dr. Chetana Pokhriyal
(Head of Department)

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This is to certify that the Dissertation entitled “Where the worlds collide and days are dark: Evolution of the Bond Figure from Ian Fleming’s novel and Terence Young’s Film *From Russia with Love* to Sam Mendes’ film *Skyfall*” submitted by Shreshtha Bhakuni has been under my supervision.

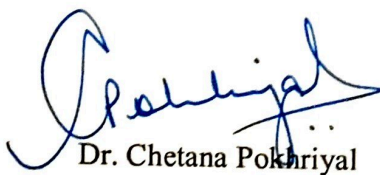
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Dr. Richa Joshi Pandey

Supervisor

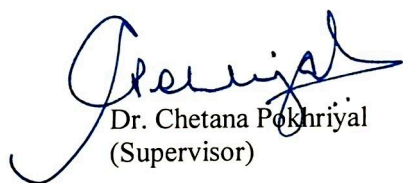


Dr. Chetana Pokhriyal

Head of Department

Certificate

This to certify that the dissertation entitled **Violence and Trauma in *Chronicle of a Death Foretold* by Gabriel Garcia Marquez** submitted by Ms. Deepakshi Bisht has been done under my supervision and guidance in the Department of English, School of Languages, Doon University, Dehradun. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



Dr. Chetana Pokhriyal
(Supervisor)

Associate Professor
Department of English
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Dr. Chetana Pokhriyal
Head of Department

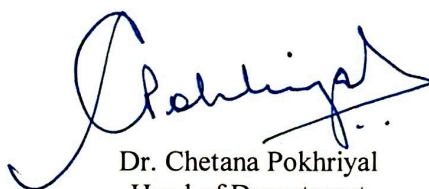
Certificate

This is to certify that the Dissertation entitled **A Comparative Study of Male Gaze versus Female Gaze: A Study of Male Characters in Literature** submitted by **Ms. Sindhu Khanduri** has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



Dr. Richa Joshi Pandey
Supervisor/Guide



Dr. Chetana Pokhriyal
Head of Department

Certificate

This is to certify that the Dissertation entitled '**Deconstructing Heteronormativity** in *The World That Belongs to Us: an Anthology of South Asian Queer Poetry*' submitted by Aanchal Chauhan has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

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Dr. Richa Joshi Pandey

Supervisor

Assistant professor

Doon University



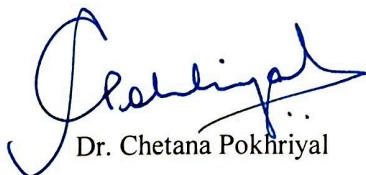
Dr. Chetana Pokhriyal

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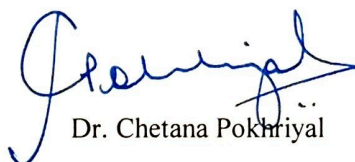
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Dr. Chetana Pokhriyal

(Supervisor)



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Certificate

This is to certify that the Dissertation entitled, 'A Sociocultural Study of GarhwaliMaangal Geet', submitted by Mr. Shivank Thapliyal, has been done under my supervision. It is also certified that the work in this Dissertation embodies the original research and hard work of the candidate.

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Supervisor/Guide



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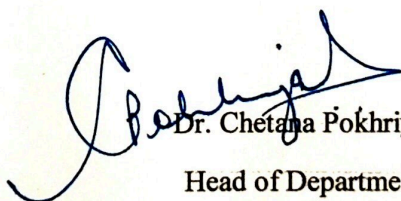
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Dr. Chetana Pokhriyal

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**L'APPRENTISSAGE DU FRANÇAIS À TRAVERS LES OUTILS
NUMÉRIQUES**

ÉTUDE DE CAS : LES CHAÎNES DU FLE SUR YOUTUBE

A Dissertation submitted to

DOON UNIVERSITY

In partial fulfilment for the Degree of

MASTER OF ARTS

BY

ADITI KAMBOJ

Under the guidance and supervision of

Dr Varun Dev Sharma



DEPARTMENT OF FRENCH AND FRANCOPHONE STUDIES

SCHOOL OF LANGUAGES

DOON UNIVERSITY

DEHRADUN 248001

2023

DEPARTMENT OF FRENCH AND FRANCOPHONE STUDIES

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CERTIFICATE

This is to certify that this work of M.A. dissertation entitled **L'APPRENTISSAGE DU FRANÇAIS À TRAVERS LES OUTILS NUMÉRIQUES. ÉTUDE DE CAS: LES CHAÎNES DU FLE SUR YOUTUBE** has been carried out in the **DEPARTMENT OF FRENCH AND FRANCOPHONE STUDIES, DOON UNIVERSITY, DEHRADUN.**

This work is original and has not been submitted in part or full for any degree or diploma of any other University/Institution.

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M.A. II year

Shubhra Kukreti
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Dr Varun Dev Sharma
Supervisor

De nos jours, la technologie dans le domaine de l'éducation est largement utilisée et préférée par les étudiants. Il y a plusieurs outils numériques comme Google Classroom, Kahoot, Skype, Zoom, etc. qui rend l'apprentissage et l'enseignement du FLE plus intéressant.

Après la pandémie, l'émergence des outils numériques à augmenter rapidement puisque tout le monde était dépendant des cours en ligne. Il y avait plusieurs changements significatifs dans le domaine de l'éducation. C'était impossible d'avoir les cours en présentiel. Mais, grâce à la technologie, les cours se sont poursuivis à l'aide d'outils numériques. Du même pour attirer les attentions des étudiants, c'était important pour les enseignants d'utiliser des outils audio-visuels pour que les étudiants s'intéressent à la langue.

Les différentes méthodologies du FLE sont remplacées aux nouveaux besoins de la société par exemple la méthodologie audio-visuel qui emploie l'utilisation du TICE (Technologie de l'enseignement et de la communication pour l'enseignement) devient inévitable. Tous ces technologies en classe du FLE renforce la motivation et la confiance d'étudiants. En plus je suis passionnée par la technologie en classe du FLE, donc, je compte analyser ces outils TIC et leur influence sur les étudiants, L'étude de cas de cette recherche est basée sur l'exploitation des chaînes du FLE sur YouTube au niveau BA à l'Université Doon.

Selon Francis Bangou :

« Intégrer les TICE dans l'enseignement-apprentissage des langues étrangères, c'est non-seulement utiliser des outils et des ressources numériques, mais aussi développer les compétences spécifiques liées à ce technologie¹ »

C'est-à-dire que l'intégration des TICE mène à développer les compétences spécifiques comme l'innovation, analyse de données, les présentations etc. avec usage des outils et les ressources numériques.

¹ BANGOU Francis, *Intégration des TICE et apprentissage de l'enseignement : une approche systématique*. (2006)
<https://journals.openedition.org/alsic/290>

Fritz Haber: Hintergegrast die Ethik des Nobelpreis

Vorgelegt von

Taramaya

SLG- 808

Unter der Betreuung von

Dr. Vipul Goswami

ABTEILUNG FÜR GERMANISTIK

SCHOOL OF LANGUAGES

Bei teilweiser Erfüllung der Anforderungen an den Grad der

MASTERS IN ART

Mit Spezialisierung in German Honor

DEHRADUN - UTTARAKHAND

DOON UNIVERSITY



Inhaltsverzeichnis

Anerkennung

Einführung

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- 1.2. Ära des Aufstiegs und Glanzes
- 1.3. Tugenden des Patriotismus
- 1.4. Clara Immerwahr
- 1.5. umstrittener Nobelpreis
- 1.6. verständnisvoller deutscher Chemiker Fritz Haber

Kapitel 2

- 2.1. Überblick über Fritz Haber: Chemiker, Nobelpreisträger, deutscher Jude von Dietrich Stolzenberg
- 2.2. Überblick über „Mastermind: Der Aufstieg und Fall von Fritz Haber“ von Daniel Charles
- 2.3. Vergleichende Studie

Schlussbemerkungs

Bibliographie

Einführung

Ich habe mich für die Fachrichtung Chemie entschieden, weil Chemie ein unglaublich faszinierendes Studienfach ist. Als ich noch zur Schule ging, beschloss ich, mich mit Chemie zu befassen, weil ich mich sehr dafür interessierte. Da die Chemie so grundlegend für unsere Welt ist, spielt sie im Leben eines jeden Menschen eine Rolle und berührt in irgendeiner Weise fast jeden Aspekt unserer Existenz. Grundkenntnisse der Chemie ließen mich immer tiefer in die Materie tauchen. Als ich zunächst das Thema meiner Dissertation wählte, beschloss ich, dass ich mich mehr auf die Entdeckung von Ammoniak konzentrieren werde, da es die größte Entdeckung dieser Zeit war und auch der Menschheit zugute kam. Wenn ich jedoch tiefer in die Materie eintauche, anstatt sie zu verarbeiten, finde ich den Nobelpreis von Fritz Haber faszinierender.

Die Hauptperspektive meiner Forschungsfrage „War der Nobelpreis, der Fritz Haber verliehen wurde, gerechtfertigt? die Entwicklung der chemischen Kriegsführung und die Rolle, die er beim Einsatz von Giftgas im Ersten Weltkrieg spielte?“ denn Wissenschaft und Technik sind nicht von der Gesellschaft getrennt. Bei der Entscheidung, wie wissenschaftliche Erkenntnisse genutzt werden sollen, müssen wir ethische Fragen im Zusammenhang mit sozialen und ökologischen Belangen berücksichtigen. Bei ethischen Fragen geht es um Entscheidungen darüber, was richtig und was falsch ist, und die Wissenschaft allein kann keine Antworten liefern. Daher müssen wir jeden Aspekt genauer untersuchen, um bessere Ergebnisse zu erzielen.

Bis zum Ende des 19. Jahrhunderts betrug die Weltbevölkerung ca. 1,6 Milliarden, und am Horizont zeichnete sich eine Massenhungerattacke ab. Tatsächlich warnte der bedeutende britische Wissenschaftler Sir William Crooks im Jahr 1898, dass innerhalb weniger Jahrzehnte Millionen Menschen verhungern würden, weil es an Nahrungsmitteln mangelt, die auf unzureichende Mengen an Stickstoffdünger zurückzuführen sind, die für die Nahrungsmittelproduktion unerlässlich sind. Doch das änderte sich bald, als ein deutscher Chemiker namens Fritz Haber auf der Bildfläche erschien. Er wurde einer der größten Chemiker des 20. Jahrhunderts und eine herausragende Persönlichkeit des modernen Deutschlands. Seine Erfindung der Synthese von Ammoniak aus seinen Elementen Wasserstoff und Stickstoff hat die Produktion von Stickstoffdüngern in großen Mengen ermöglicht und dadurch Milliarden vor dem Hungertod bewahrt. Während des Ersten

Eine komparative Untersuchung von *Hänsel und Gretel* und *Charlie and the Chocolate Factory*



Bei teilweiser Erfüllung der Anforderungen an den Grad der Masters in Art
Mit Spezialisierung in Germanistik

vorgelegt von

Arpita Das

SLG – 1469

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Kapitel 1 Theoretischer Hintergrund

1.1 Überblick auf die bestehende Literatur

Haase (1993) ist der Meinung, dass die Brüder Grimm die Märchen gesammelt und veröffentlicht haben, weil sie glaubten, die Geschichten würden sterben. Die Märchen der Gebrüder Grimm sind die besonderen Geschichten, die uns ein Leben lang begleiten. Die Adaption von Grimms Märchen an Disney-Filme zeigt die Relevanz von Märchen in der Gesellschaft. Die Märchen wurden in Animationen, Filme, Audios, Grafiken, Illustrationen und vieles mehr umgewandelt. Die Gelehrten, Übersetzer, Herausgeber, Leser, Schriftsteller und Geschichtenerzähler haben die Märchen aus ihrer eigenen Perspektive interpretiert.

Bosmajian (1985) ist der Meinung, dass Kinderliteratur ein komplizierteres künstlerisches, psychologisches und soziales Phänomen sei als Erwachsenenliteratur. Der Autor projiziert Erinnerungen durch Unschuld. Komödie und Romantik sind die häufigsten Muster in der Kinderliteratur. Es sind die Modi und Genres, die etablierte Werte und Traditionen haben. Eine kleine Verschiebung in Roald Dahls „Charlie and the chocolate factory“ eröffnet neue Möglichkeiten: „Die ganze Familie – die sechs Erwachsenen und Charlie Bucket – leben zusammen in einem kleinen Holzhaus am Rande einer Großstadt. Der Grund, auf dem die Figuren skizziert sind, ist oft undeutlich, obwohl er den Figuren Energie verleiht. Die Kinderliteratur sollte für den Interpreten von besonderem Interesse sein. Die Charaktere sind oft Teil unschuldiger Lieder in Charlie und die Schokoladenfabrik. In der Schokoladenfabrik darf alles geleckert und gegessen werden. In diesem Kinderbuch wird die Grimmigkeit durch die strukturellen Figurationen von Komödie und Romantik sowie durch die angenehmen Assoziationen von Schokolade gemildert.

Pullman (2012) sagte, dass Kinder- und Hausmärchen der Brüder Grimm der Ursprung des Zufallsmärchens seien. Aber wenn die Gebrüder Grimm nicht alle diese Märchen gesammelt hätten, hätte es vielleicht jemand anderes getan. Die Quellen, auf die sie sich vertraut, waren sowohl mündlich als auch literarischer Natur. Zwei der schönsten Märchen, „Der Fischer und seine Frau“ und „Der Wacholderbaum“, schickte ihnen der Maler Philipp Otto Runge. Wissenschaftler der Literatur und Folklore, der Kultur- und Politikgeschichte, Theoretiker einer Freudianer-, Christen-, Marxisten-, Strukturalisten-, Poststrukturalisten-, Feministin-,

Un estudio crítico, de la película hindi *Rukmavati ki Haveli* una adaptación del
drama *La casa de Bernarda Alba*.

Ipshita Banerjee

SLS-1491

SLS 510 Dissertation

**A DISSERTATION SUBMITTED IN PARTIAL FULFILMENT OF THE
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MASTERS OF ARTS**



DOON UNIVERSITY

DEPARTMENT OF SPANISH STUDIES

SCHOOL OF LANGUAGES

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DR. MALA SHIKA

7 JUNE, 2023

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También me gustaría expresar mi agradecimiento a mi familia y amigos por su apoyo y esfuerzos incansables que me mantuvieron motivado durante la realización de esta tesis.

Abstract

The cinematographic adaptation of the literary text is as old as the cinematographic medium itself including the translation and adaptation of literary works into other languages and genre. This work mainly focuses on highlighting and critically analysing one of the adaptations popularly known as *Rukmavati ki Haveli*, (1991), a Hindi movie made by great Indian director Govind Nihalani, of most prominent work of Spanish literature, *La casa de Bernarda Alba* (1936) written by one of the most significant artists and the member of famous Generation 27, from Andalusia, Spain, Federico Garcia Lorca. The present work also discusses the challenges of adapting a literary work into a movie, breaking the barrier of language by adapting various translation strategies.

Resumen

La adaptación cinematográfica del texto literario es tan antigua como el propio medio cinematográfico incluyendo la traducción y adaptación de obras literarias a otros idiomas y géneros. Este trabajo se centra principalmente en destacar y analizar críticamente una de las adaptaciones popularmente conocidas como *Rukmavati ki Haveli*, (1991), película en hindi realizada por el gran director indio Govind Nihalani, de la obra más destacada de la literatura española, *La casa de Bernarda Alba*, (1936).) Escrito por uno de los artistas más significativos y miembro de la famosa Generación 27, de Andalucía, España, Federico García Lorca. El presente trabajo también analiza los desafíos de adaptar una obra literaria a una película, rompiendo la barrera del idioma al adaptar varias estrategias de traducción.

**EL ENCUENTRO DE DOS MUNDOS: UN INTENTO CONSCIENTE DE LA
COLONIZACIÓN CULINARIA**

Kritika Mehra

SLS-1490

SLS 510 Dissertation

**A DISSERTATION SUBMITTED IN PARTIAL FULFILMENT OF THE
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También me agradezco a mi familia y amigos por su apoyo, paciencia, comprensión y sus esfuerzos incansables que me mantuvieron motivado durante la realización de esta tesis.

Abstract

Although there have been many researches on “discovery of Latin America” by Columbus, there still remains a gap in how cuisine was used as a tool for colonization. Food is the key to the development of group of the people, and there is a significant string that attaches food practices to the identities of the colonized. The political utilization of food as a way to colonize is often overlooked, yet when analysed closely it is clear how profoundly engrained colonial food practices are embedded in food practices. This work, however, analyses the history of culinary colonization started by Columbus after 1492 when he encountered the “New World”. This research highlights that how food holds a cultural identity and how it can be a main tool for colonization.

Keywords: Columbus, Cuisine, Culinary Colonization.

Resumen

Aunque ha habido muchas investigaciones sobre el "descubrimiento de América Latina" por parte de Colón, todavía queda una brecha en cómo se utilizó la cocina como herramienta para la colonización. La comida es la clave para el desarrollo del grupo de personas, y hay una cadena significativa que vincula las prácticas alimentarias a las identidades de los colonizados. La utilización política de los alimentos como una forma de colonizar a menudo se pasa por alto, sin embargo, cuando se analiza de cerca, queda claro cuán profundamente arraigadas están las prácticas alimentarias coloniales en las prácticas alimentarias. Este trabajo, sin embargo, analiza la historia de la colonización culinaria iniciada por Colón a partir de 1492 cuando se encuentra con el “Nuevo Mundo”. Esta investigación destaca cómo la comida tiene una identidad cultural y cómo puede ser una herramienta principal para la colonización.

Palabras Claves: Colón, Cocina, Colonización Culinaria.

**REFLEJO DEL RACISMO CONTRA LOS LATINOS EN LOS EE.UU POR UNAS
PELÍCULAS SELECCIONADAS**

Yamini Yadav

SLS 1484

SLS- 510: DISSERTATION

**A DISSERTATION SUBMITTED IN PARTIAL FULFILLMENT OF THE
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Por último, quiero expresar mi gratitud a todas las personas que han contribuido directa o indirectamente a esta tesis. Su ayuda, aliento y confianza en mis capacidades han sido inestimables.

Abstract

This research explores the portrayal of racism against Latinos in the United States through the analysis of two films, *Mi Familia* and *In the Heights*. Employing a qualitative methodology, this research investigates the themes and strategies employed by the filmmakers to address the issue of racism and its impact on the Latino community. The analysis delves into the depiction of cultural identity, experiences of discrimination, and the pursuit of the American Dream. By shedding light on the portrayal of racism against Latinos in *Mi Familia* and *In the Heights*, this study contributes to a deeper understanding of the challenges faced by this community in the United States. Through its analysis of these films, this research offers valuable insights into the experiences of Latinos and encourages further examination of racism against this community in the United States.

Resumen

Esta investigación explora la representación del racismo contra los latinos en Estados Unidos a través del análisis de dos películas, *Mi Familia* e *In the Heights*. Empleando una metodología cualitativa, esta investigación indaga en los temas y estrategias empleados por los cineastas para abordar la cuestión del racismo y su impacto en la comunidad latina. El análisis profundiza en la representación de la identidad cultural, las experiencias de discriminación y la búsqueda del sueño americano. Al arrojar luz sobre la representación del racismo contra los latinos en *Mi Familia* e *In the Heights*, este estudio contribuye a una comprensión más profunda de los retos a los que se enfrenta esta comunidad en Estados Unidos. A través de su análisis de estas películas, esta investigación ofrece valiosas perspectivas sobre las experiencias de los latinos y anima a seguir examinando el racismo contra esta comunidad en Estados Unidos.

LGBTQ EN CINE ESPAÑOL

:Un análisis de la dinámica familiar a través de la película Carmen y Lola

Yukta Chaudhary

SLS-834

SLS-510 RESEARCH METHODS OF DISSERTATION

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Ms. Swagata Basu

07/06/2023

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Abstract

The Spanish society has led to the representation of LGBTQ in the mainstream media. And since visual media is now a new form of literature and studies as well it is important to understand these productions. The Spanish queer cinema is well flourished and have works in all the aspects of the term LGBTQ. And the latest movie ranges from a love story of roma couples to the love story of two mothers. But the problem that still needs to be dealt with is the aspects of family acceptance in the society of LGBTQ. Therefore through my thesis I will be analyzing the family dynamics in the life of LGBTQ people.

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La visión de una mujer a través de las pinturas de Frida Kahlo.

Anchal Lekhwar

SLS -1487

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**DOON UNIVERSITY
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**Submitted Under the supervision of
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7th of June, 2023

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Absract

This study presents the most famous work painter Frida Kahlo. Frida is a feminist icon who represents her life time journey. She represents feminism from her paintings. Despite having lots of problems in her life, she stood up for herself. Frida Kahlo explores the themes of birth, miscarriage, emotions, pain. It is linked with all the womens who suffers the same pain. Feminism has been a brewing force within cultures since art is the medium through which ideologies spread. Females are center of attraction in this work through the art work of Frida Kahlo. The use of colours are main element that depicts the mood of artist or the background of that time. This research holds the key elements of feminist. From the paintings of Frida Kahlo it shows the suffering of women and how they identify their path for future. Art is the pure thing that tells everything without the words. Similarly the very famous painter Frida Kahlo painted her life experiences and her emotions. She was the strong woman who clearly shows her pain through the paintings. This work analysis the Frida Kahlo paintings and how the women inspired are by her paintings. This research helps to find that hoe Frida's paintings represent a feminist intervention in an art history.

Resumen

Este estudio presenta la obra más famosa de la pintora Frida Kahlo. Frida es un icono feminista que representa su viaje de vida. Ella representa el feminismo de sus pinturas. A pesar de tener muchos problemas en su vida, se defendió. Frida Kahlo explora los temas del nacimiento, aborto espontáneo, emociones, dolor. Está vinculado con todas las mujeres que sufren el mismo dolor. El feminismo ha sido una fuerza que se está gestando dentro de las culturas, ya que el arte es el medio a través del cual se propagan las ideologías. Las hembras son el centro de atracción en esta obra a través de la obra de arte de Frida Kahlo. El uso de colores son el elemento principal que representa el estado de ánimo del artista o el fondo de esa época. Esta investigación contiene los elementos clave de la feminista. A partir de las pinturas de Frida Kahlo muestra el sufrimiento de las mujeres y cómo identifican su camino hacia el futuro. El arte es la cosa pura que lo dice todo sin las palabras. Del mismo modo, la muy famosa pintora Frida Kahlo, pintó sus experiencias de vida y sus emociones. Ella era la mujer fuerte que muestra claramente su dolor a través de las pinturas. Este trabajo analiza las pinturas de Frida Kahlo y cómo las mujeres se inspiran en sus pinturas. Esta investigación ayuda a encontrar que las pinturas de Frida representan una intervención feminista en la historia del arte.

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**THE STUDY OF CONCEPT AND ROLE OF KARMA AS REFLECTED IN
THE SELECTED STORIES OF MUNSHI PREMCHAND & AKUTAGAWA
RYUNOSUKE**

ムンシー・プレムチャンドと芥川龍之介の物語に反映されるカルマの概念と
役割に関する研究

DISSERTATION

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OF MASTERS IN JAPANESE**

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DATE: 20TH JUNE 2023

CERTIFICATE

THIS IS TO CERTIFY THAT THE DISSERTATION ENTITLED "A STUDY OF CONCEPT AND ROLE OF KARMA AS REFLECTED IN THE SELECTED STORIES OF MUNSHI PREMCHAND AND AKUTAGAWA RYUNOSUKE" submitted by Satkar Tripathi has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate.

The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.

Ravi
21/6/23

Dr. Ravi Kumar
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HEAD OF DEPARTMENT

初めに

わたしはインド人であり、ヒンディー語の小説を読んでいる。プレムチャンドの多くの作品を読んだ。彼はウルドゥー語とヒンディー語の両方の最高の短編小説家であり、小説家の一人である。日本語の学生であったことで、芥川龍之介の物語を読む機会を得た。彼は短編小説と小説の多作家であり、日本の短編小説の父として知られている。彼のいくつかの物語を読んでいる間、両者の作品で「因果応報」の概念を強調しているように感じた。それが最初に私の注意を引き、さらに調べてみると、両者の作品では因果応報のテーマに基づく研究が十分に行われていないことがわかった。そこで、私はそれぞれ2つの物語を選んで、彼らの作品における因果応報の役割がそれぞれの文学ではどのように描かれたを探すためにこのトピックを選んだ。

研究のタイトルは「ムンシー・プレムチャンドと芥川龍之介の選択された物語に反映されるカルマの概念と役割に関する研究」である。

本研究の目的

インドと日本におけるカルマの概念について、選択されたの文学作品を通して理解する。また、ムンシー・プレムチャンドと芥川龍之介の物語を分析することで、カルマの描写という点で、インドと日本の間に類似性があるかどうかを確認する。

「カルマ」とは、インドや日本の宗教や哲学の基本的な考え方で、ある行為には必ず結果があり、その結果がその人の将来の運命を決定するという原理を指す。カルマは、インドと日本の両方の文学、芸術、文化の中心的なテーマであり、現代社会でも重要な概念の一つである。世界中のほとんどすべての宗教がカルマについて話している。それは彼らの文化や哲学における重要な側面の一つです。しかし、ヒンズー教と仏教はカルマ（因果応報）について大いに語っている。プレムチャンドと芥川龍之介は、それぞれインド文学と日本文学で有名な作家である。二人とも、人々が生きていく中で直面する難しい問題や道徳



インドと日本の童話に見られる道徳的な価値について、

パンチャントラや日本の民話を用いた比較研究

**A COMPARATIVE STUDY OF MORAL VALUES AS SEEN IN INDIAN AND
JAPANESE CHILDREN STORIES USING PANCHATANTRA AND
JAPANESE FOLKTALES**

DISSERTATION

SUBMITTED TO

DR RAVI KUMAR

ASSISTANT PROFESSOR

DEPARTMENT OF JAPANESE STUDIES, SCHOOL OF LANGUAGES

DOON UNIVERSITY, DEHRADUN

**IN PARTIAL FULLFILMENT OF THE REQUIREMENTS FOR THE
DEGREE OF MASTERS IN JAPANESE**

SUBMITTED BY

SHAFIQUE AFREEN

SLJ – 1480

MA 2ND YEAR

BATCH: 2021-2023

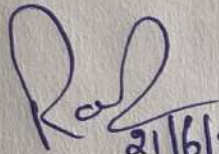
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21/6/23

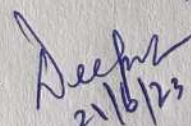
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21/6/23
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(NAME AND SIGNATURE)

HEAD OF DEPARTMENT

初めに

道徳的な価値観は個人の性格を形成するのに役立つ。そのため、私たちは子供の頃から道徳的な価値観を教えられ、善悪を識別し、良い人間になることができる。道徳的な価値観は、人生のあらゆるレベルにおける人間関係に不可欠である。スムーズかつ協力的に仕事を進めるためには、どこでも必要とされる。それは私たちの人生の本当の目的を見つけるのに役立つ。道徳的な価値観に従って人生の道を歩み始めると、私たちは人生の本当の目的を認識し始める。私たちは他人に対して利他的で、献身的で、愛情深く、思いやりのある人になる。これは将来に、道徳的に正しい社会人になることが必要である。また、子供たちが正しい道から外れないよう美德を教えるためにも使用される。Patil (2013)によれば道徳のない教育は香りのない花のようなものである。学生には、自分のキャリアと同じ必要性を自分の性格与える必要があると述べている。

道徳教育は学生生活において非常に重要である。それは生徒の人格を形成し、倫理的な意思決定を導き、前向きな人間関係を育むものであるため、生徒の生活に不可欠である。個人の成長、責任、共感を促進し、学生が責任ある市民として長期的に成功できるよう準備する。これは正直さと勤勉の大切さを教えてくれる。

価値重視の教育は、インドと日本の両国で非常に重要視されている。インドでは、古代の文化や哲学的な伝統に根ざし、学問的な学習とともに道徳的な発達を重視している。カリキュラムには、誠実さ、思いやり、他者への尊重などが教えられる。同様に、日本では教育システムにおいて、規律、調和、社会的責任などの価値が重要視されている。両国は、生徒のキャラクターの育成、総合的な成長の促進、倫理観の確立により、社会に貢献するバランスの取れた人材の育成の重要性を認識している。

道徳的な価値観を伝えるための源泉として、親、教師、文学などがある。親は、指導や模範を通じて道徳的な価値観を植え付ける重要な役割を果たす。



アニメが大学生に与える影響を分析する:ドゥーン大学の
学生を対象とした研究

ANALYZING THE IMPACT OF ANIME ON UNIVERSITY STUDENTS:
A STUDY ON DOON UNIVERSITY STUDENTS

DISSERTATION
SUBMITTED TO
Ms DEEPIKA BHATIA
ASSISTANT PROFESSOR
DEPARTMENT OF JAPANESE STUDIES, SCHOOL OF LANGUAGES
DOON UNIVERSITY, DEHRADUN

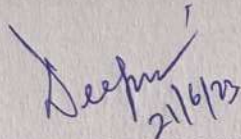
IN PARTIAL FULLFILMENT OF THE REQUIREMENTS FOR THE DEGREE OF
MASTERS IN JAPANESE

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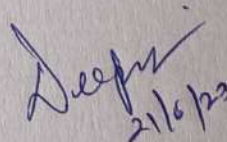


(NAME AND SIGNATURE)

SUPERVISOR

(NAME AND SIGNATURE)

EXTERNAL EXAMINER



(NAME AND SIGNATURE)

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はじめに

アニメは、世界中で人気のあるエンターテインメントだ。あらゆる年齢層の人々がアニメを楽しむのは、アニメが困難を克服し、努力し、友情を大切にするよう促すからであり、アニメには字幕がついているので、言葉の壁もない。実際、アニメは多くの人が日本語を学ぶのに役立っている。

私がドゥーン大学の学生の5年間に、アニメの人気が大きく伸びているのを目の当たりにしたからである。私が1年生のとき、学生が自分の好きなアニメやその最新トレンドについて話しているのを耳にした。しかし、当時、私は特にアニメを見たいとは思っていなかったもので、あまり気にも留めていなかった。

しかし、コロナウイルスによるロックダウン後、私の大学ではアニメのファンが急に増えたことに気がついた。学生の約半数、10人中5人が、服やフィギュアなどのアニメグッズを所有していたのである。具体的には、日本学科以外の学部の学生がアニメやその関連分野に非常に興味を持っていることに気づきました。これは私の好奇心を刺激し、この人気の高まりの背後にある理由を理解したいという欲求を引き起こしました。そこで私は、本大学の学生がアニメに関する好み、思考などが知りたいという願望を持つようになった。

だから、私の研究の目的は、アニメを見ることがドゥーン大学の学生に与える根本的な影響を調べることであり、本研究のタイトルは、「アニメが大学生に与える影響を分析する：ドゥーン大学の学生を対象とした研究」である。

ASSESSING PHYSICAL AND FINANCIAL PROGRESS UNDER NATIONAL RURAL LIVELIHOODS MISSION (NRLM) SCHEME IN UTTARAKHAND & HIMACHAL PRADESH

Dissertation submitted to the Department of Economics

School of Social Sciences

In partial fulfilment for the award of

M.SC. in ECONOMICS, 2023

Submitted By

Anshu Bharti

Supervisor- Dr. Madhu Bisht

Associate Prof. Department of Economics

Doon University

DOON UNIVERSITY



School of Social Sciences

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School of Social Sciences

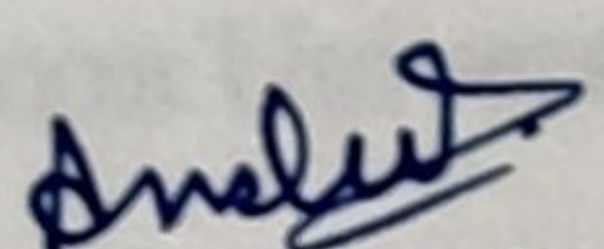
Department of Economics

CERTIFICATE

This is to certify that **Ms. Anshu Bharti, ID SSEI 387**, has completed her dissertation entitled **“Physical and Financial Progress under National Rural Livelihoods Mission (NRLM) Scheme in Uttarakhand & Himachal Pradesh”** in partial fulfilment for the award of the Degree of Master in Economics, School of Social Sciences, Doon University under my supervision.

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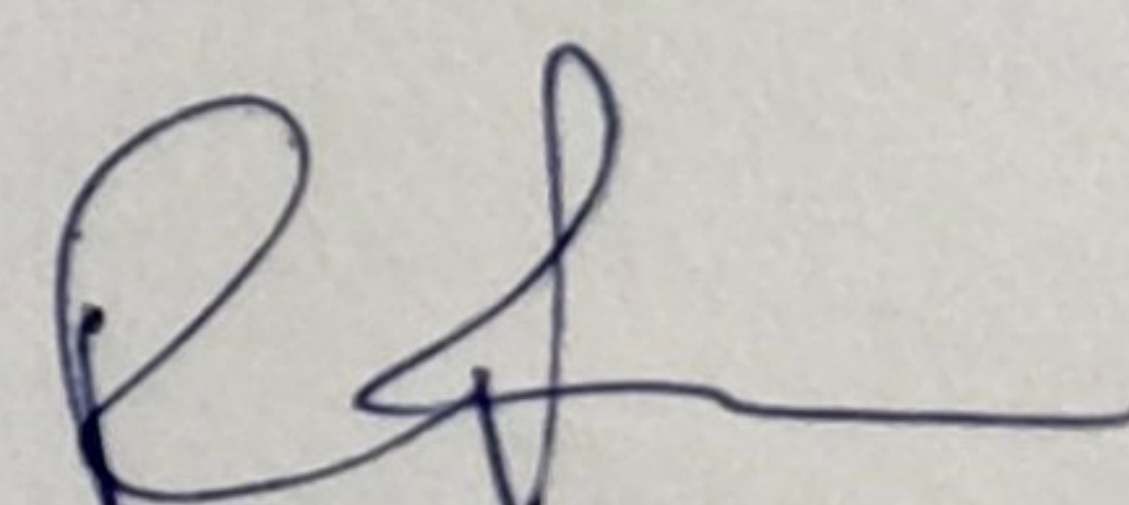
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Date: 14/07/2023

Supervisor/Co- Supervisor

This dissertation is hereby placed for evaluation and examination.

External Examiner


HoD/In-charge

CHAPTER-1

INTRODUCTION

1.1 THE CONTEXT

The Swarnajayanti Gram Swarozgar Yojana was a rural development scheme brought out by the Government of India as a path to uplifting as well as enhancing the lives of those that fall under the Below Poverty Line as well as those residing in the rural areas. The scheme was first introduced in the year 1999-2000 on April 1 as a scheme enclosing six other similar schemes that fall under the same purview. The six other replaced schemes were Integrated Rural Development Programme, Training for Rural Youth for Self Employment, Development of Women and Children in Rural Areas, Supply of Improved Toolkits for Rural Artisans, and Ganga Kalyan Yojana as well as Million Wells Scheme. The Swarnajayanti Gram Swarozgar Yojana is a scheme run by both the central as well as the state governments in a 75:25 ratio while also being one that is deployed by commercial banks, cooperative banks as well as regional banks. Along with these institutions, several other institutions are involved as well, such as Non-Governmental Organisations (NGO's), District Rural Development Agencies (DRCA) as well as the local surrounding Panchayati Raj organisations. These networks of institutions as well as organisations worked together as a measure of looking into the implementation, planning as well as monitoring of the scheme as well as the smooth structure and functioning of the scheme. The Swarnajayanti Gram Swarozgar Yojana, as the name suggests, focuses mainly on those low-income groups or families, who, in local dialect, are known as Swarozgars. It seeks to help them rise above the poverty line through income as well as employment generation. However, for this to efficiently take place; one has to focus on first building up the lives as well as skills of these people through training, capacity building, social mobilisation as well as sustainable income among others. This is possible only through the organising as well as maintaining of Self Help Groups (SHG's) by joining the rural population into these organisations or institutions.

The SGSY scheme was targeted at rural poor families, including Scheduled Castes (SCs), Scheduled Tribes (STs), and women. It also provided financial assistance to rural poor families through combination of subsidies, credit and training. The scheme provided a subsidy of 30% of the project cost for general category families and 50% for SC/ST families, up to a maximum of Rs 7,500 per family. The scheme also provided training and capacity building to rural poor families to help them develop skills and knowledge in areas such as entrepreneurship, marketing, and financial management.

A COMPARATIVE STUDY OF FINGER MILLET PRODUCTION IN UTTARAKHAND AND HIMACHAL PRADESH

Dissertation submitted to the Department of Economics

School of Social Sciences

In partial fulfillment for the award of

MSc. Degree in Economics, 2023

By

Lakshika Upreti

Supervisor: Dr. Madhu Bisht

Faculty, Department of Economics, Doon University



School of Social Sciences

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Dehradun, Uttarakhand

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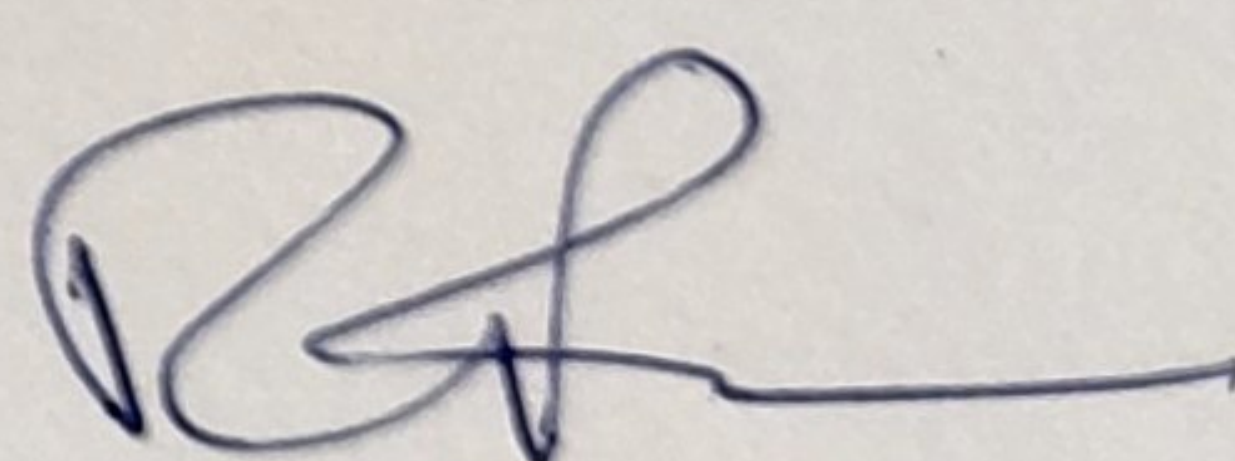
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Date:

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Dr. Madhu Bisht
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Prof. Rajendra P. Mamgain
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CHAPTER-1

INTRODUCTION

1.1 THE CONTEXT

Millets are collective group of small seeded annual grasses that are grown as grain crops, primarily on marginal land in dry areas of temperate, sub tropical and tropical regions. In India, Rajasthan is the highest producer of millet followed by Karnataka.

UNITED NATIONS (UN) has declared 2023 as International Year of Millets. It was the proposal of Government of India and was supported by 72 countries.

India produces more than 170 lakh ton which is 80% of Asia's & 20% of global production. (According to International Year of Millet 2023 agricoop report).

Global average yield of Millet is 1229 kg/ha, and of India 1239 kg/ha.

Karnataka is the largest producer of Finger Millet followed by Uttarakhand and Tamil Nadu. In the Himalyan states, Uttarakhand is the largest producer of Millets. They form an important part in subsistence agriculture in Himalayan region.

❖ Varieties of Millets in India:

s.no.	Millet (English name)	Millet (Hindi name)	Scientific name
1.	Sorghum	Jowar	
2.	Pearl Millet	Bajra	Pennisetum glaucum
3.	Little Millet	Kutki	Panicum sumatrense
4.	Proso Millet	Cheena	Panicum miliaceum
5.	Kodo Millet		Paspalum scrobiculatum

DIGITALIZATION OF EDUCATION IN INDIA: A STATEWISE COMPARATIVE STUDY

Dissertation submitted to the Department of Economics

School of Social Sciences

In partial fulfillment for the award of

M.SC. in ECONOMICS, 2023

Submitted By

SHIVANI RAWAT

M.SC Integrated Economics, 2023

Supervised By

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Faculty, Department of Economics

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Date:

Dr.Madhu Bisht

Supervisor

The dissertation is hereby placed for evaluation and examination.

Dr. R P Mamgain

Head, Deptt. Of Economics

INTRODUCTION

1.1 THE CONTEXT:

Digitalization is the process all about moving existing processes into digital technologies. Digitalization is the use of digital technologies to change a business model and provide new revenue and value-producing opportunities; it is the process of moving to a digital business.

Digital Transformation, Digitalization, And Digitization: Don't Get Them Mixed Up .The terms "digitization" and "digitalization" enter the conversation as the excitement surrounding digital transformation continues to grow, adding to the uncertainty and raising the level of hype. These three phrases actually have different meanings, or at least we can interpret them differently depending on which source we follow. But this question is not only a semantic exercise. They are actually being misunderstood in ways that minimise the influence and significance of digital transformation, endangering the very existence of their organisations. Digitization: The Straightforward Term Digitization essentially refers to taking analog information and encoding it into zeroes and ones so that computers can store, process, and transmit such information.

India's Digital Education Challenges

For digital education to be accessible to kids across the nation, the government will need to make numerous technology-based adjustments. The following are some of the principal issues with digital education in India: One of the most important prerequisites for digital education is the universal accessibility of internet connectivity. This will need to be accomplished by the government for easy access to information. Giving technology and devices to those from socioeconomically disadvantaged groups so they don't miss out on an education. Training instructors is another difficulty. Teachers can only teach digital classes when they are proficient

IMPACT OF CARBON RISK ON COST OF DEBT FINANCING IN THE CORPORATE WORLD

DISSERTATION

**SUBMITTED
TO**

**DEPARTMENT OF ECONOMICS, SCHOOL OF SOCIAL SCIENCES
DOON UNIVERSITY, DEHRADUN
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF**

**MASTERS
IN
ECONOMICS**

BY

**AAKASH AGARWAL
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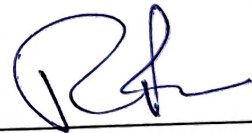
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The assistance and support received during the course of investigation and all the sources of literature have been fully acknowledged.



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Chapter - 1

Introduction

Public concern over the environment has intensified in recent years due to heated debates over climate change, which is mostly being caused by rising greenhouse gas concentrations and the occurrence of unexpected and damaging weather patterns. Climate change has the potential to disrupt not only diverse natural systems, but also to wreak catastrophic economic and health damage. These worries have spurred governments in many nations to enact laws and policies targeted at lowering and regulating industrial carbon emissions. These worries have also fuelled the emerging idea that banks have a duty to engage in socially responsible lending in addition to making profits.

There is frequent conflation of the terms "carbon risk," "environmental risk," and "climate change risk." Carbon risk, defined as "any corporate risk related to climate change or the use of fossil fuels," is a subset of environmental issues. Labatt and White (2007) looked into the carbon risk and divided it into three distinct categories: regulatory, physical, and business risk. The first consideration is the potential implementation of carbon-related rules and/or policies, which may have penalties associated with compliance or rewards in the event of good deeds. Otherwise, the only thing that poses a bodily risk is a natural occurrence, such as an earthquake, flood, tsunami, or prolonged drought. Finally, the authors discuss the business risk associated with the 360-degree corporate environment, which also contains other risk sub-components like legal, reputational, and competitive risk. In this regard, Romilly (2007) demonstrates how uncertainty about the economic-

Assessing Local Traditional Grocery Retailers' Perceptions and Preparedness to Deal with the Impact of Modern Formats of Grocery Retailing

Master's Dissertation
Submitted to the Department of Economics, School of Social Sciences,
Doon University

Submitted by: Dishee Pandey

Student ID: SSE 122,
M.A. Economics, 2021-2023

*In partial fulfillment of the requirements for the degree of
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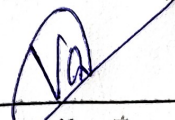
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2. The work is neither published nor submitted to any other university/institution in India for the award of any Degree or Diploma


Date: _____

Dissertation Supervisor



(Ms. Vartika Pande Singh)

HoD/IC



(Prof. R.P. Mamgain)

Chapter 1: Introduction

1.1 Overview of the Retail Sector in India

'Retail' is the sale of goods and services in small quantities to consumers for final use or consumption. A *retailer* is a person or business that buys goods from manufacturers or wholesalers in large quantities and sells them in small quantities to the end consumer at a higher unit price. (Mahmoud, n.d.).

"Retailing is the final step in the process of product distribution. It is one of India's fastest-growing industries and provides employment opportunities to many people with the increase in people's purchasing power and the rural reach of retailers, the scope of retailing has increased manifold." (Think With Niche, 2022).

As per the report of the India Brand Equity Foundation, 'Indian retail industry has emerged as one of the most dynamic and fast-paced industries due to the entry of several new players. It accounts for over 10% of the country's gross domestic product (GDP) and around 8% of employment. India is the world's fifth-largest global destination in the retail space.' (IBEF, n.d.). 'India is known as the *'nation of shopkeepers'* (TOI, 2006). After agriculture, retailing is the second largest employer in India. Approximately, over 12 million shops exist in various parts of the country. (your article.com, Agarwal, n.d.). These shops are mostly unorganized, independent, owner-managed outlets. The presence of unorganized/traditional retailing is highly prominent in small towns and cities with the main presence of neighborhood "kirana" stores, push-cart vendors, "melas" and "mandis".' (Agarwal, n.d.). While the Indian retail market has largely been unorganized, 'the organized retail market increased by 50 percent between 2012 and 2020,' according to the government-backed investment facilitation agency, Invest India. (Fox, 2022). 'As of 2020, India's organized retail market was valued at 12 percent of the total retail market, implying that around 88% of the market is still working in the unorganized format.' (Fox, 2022). So it can be rightly said that in India, the retail market mainly consists of small traditional retailers: who buy from wholesalers and sell to the consumers, by serving as the last point in the distribution system. These traditional retailing outlets' network is highly spread and these are located at every

COMMERCIAL USE OF BRAHMAPUTRA RIVER IN ASSAM: AN ANALYSIS OF ITS IMPACT ON ECOLOGY AND ECONOMY

**Dissertation submitted to the Department of Economics, School of
Social Sciences in partial fulfillment for the award of degree**

MASTER'S IN ECONOMICS

by

Mridusmita Das

Supervisor

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CERTIFICATE

This is to certify that **Miss Mridusmita Das, ID SSE-129** has completed her dissertation entitled **“Commercial use of Brahmaputra River in Assam: An analysis of its impact on ecology and economy”** in partial fulfillment for the award of the Degree of Master’s in Economics, School of Social Sciences, Doon University under my supervision.


It is certified that:

1. The dissertation compiles an original piece of work carried out by her during M.A. Economics IV semester, 2023.
2. Institution neither published nor submitted to any other university /institution in India for award of any Degree or Diploma.

Date: 07th July, 2023


Dr. Angshuman Sarma
Supervisor

The dissertation is hereby placed for evaluation and examination.


Dr. Rajendra P. Mamgain
Head of Department (HoD)

External Examiner

CHAPTER I

BACKGROUND

The River Brahmaputra, a symbol of life, culture, and history, has long been a source of fascination and intrigue for scholars, explorers, and travelers alike. This mighty river, which originates in the Tibetan Plateau and traverses through three countries before emptying into the Bay of Bengal, has played a pivotal role in shaping the lives of millions of people who reside along its banks. In this dissertation, we delve into the enigmatic world of the Brahmaputra, role it played in shaping the economic life and growth of the valley and surrounding hill regions, its commercial use which started in the colonial period and finally, we analyze the devastation resulted from the post-colonial period and connection of such devastation with use of the river for economic purposes.

As we move ahead in this chapter, we get to learn why rivers are so important in the economy and why it is an important matter of study in the field of economics in terms of ecology.

The chapter then talks about the river's journey from its birthplace in the glaciers of the Tibetan Plateau to its confluence with the Ganges and Meghna rivers in Bangladesh and how it reaches India. We will examine the commercialization of the river that has shaped the river's course, as well as the diverse ecosystems it supports along its path.

Moving forward, we embark on a virtual exploration of the Brahmaputra, highlighting its breathtaking beauty and the rich cultural heritage that has flourished along its banks. We will see how the river has been influencing the socio-economic life on the people of Assam, and how the river has inspired and nurtured the civilizations that have called it home.

Next, the chapter delves into the historical significance of the Brahmaputra, examining its role in the pre-colonial era as a vital trade route and source of sustenance for the indigenous communities. We will then explore the river's transformation during the colonial period, as it became a strategic asset for the British Empire, and its continued importance in the post-colonial era as a vital resource for the nations it traverses.

HOW AUTOMATION HAS CHANGED INTERNATIONAL TRADE

A DISSERTATION

*Submitted to Department of Economics, School of Social Science
in partial fulfillment for the award of the degree of*

MASTER OF ECONOMICS

by

SHIVANI RAWAT

SUPERVISOR

MS. VARTIKA PANDEY



Department of Economics

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It is certified that:

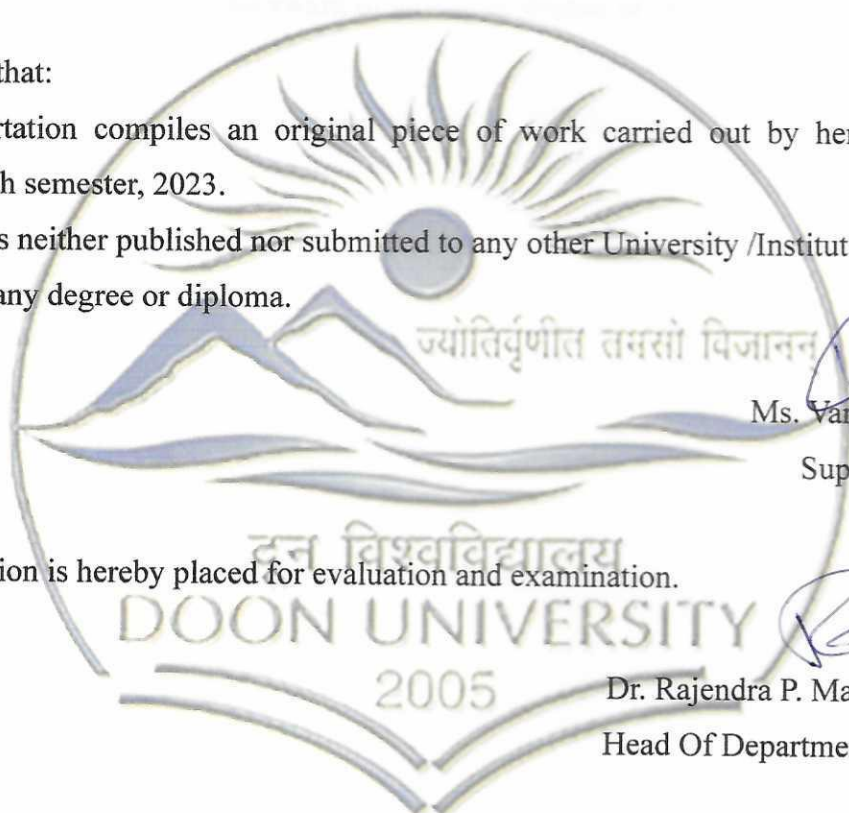
1. The dissertation compiles an original piece of work carried out by her during M.A. Economics 4th semester, 2023.
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CHAPTER 1

INTRODUCTION

HOW AUTOMATION HAS CHANGED INTERNATIONAL TRADE

In today's rapidly evolving global landscape automation has emerged as a transformative force reshaping various industries and sectors. Its impact extends beyond organizational processes, reaching the realm of international trade. Automation driven by technological advancements in areas such as artificial intelligence (AI), robotics and data analytics has the potential to redefine trade patterns, enhance trade competitiveness and transform trade relationship on a global scale. This research paper aims to explore the impact of automation on international trade through qualitative study.

1.1 BACKGROUND AND SIGNIFICANCE

With the goal of illuminating the paradigm shift that automation and global commerce have sparked, this study will look into the complex link between these two factors. This study offers a detailed overview of the essential characteristics, difficulties, and possibilities originating from the junction of automation and global trade by synthesizing the most recent insights from academic studies, industry publications, and reliable sources.

1.1.1 GROWING AUTOMATION IN THE TRADE:

Automation and Productivity Improvement: The incorporation of automation technology, including automated systems and industrial robots, has greatly improved productivity and efficiency in the manufacturing and service industries. Automated processes provide for more efficient operations, lower costs, better quality control, and increased output capacity, all of which strengthen a country's competitive advantage in international trade.

Disruption of the Labor Market: One important factor to take into account is how automation will affect the labor markets. Some monotonous and routine duties have been replaced as a result, but new work opportunities have also been created. The displacement effect, however, needs to be taken into consideration because it has the potential to worsen economic disparities and job polarization, especially in developing nations with inadequate resources for worker upskilling.

Evaluating Factors Responsible for Acceptance of Electric Vehicles Behaviour

DISSERTATION

Submitted to

School of Social Science

Doon University, Dehradun

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS

FOR THE AWARD OF THE DEGREE OF

MASTERS

IN

ECONOMICS

BY

Veethika Gupta



Department of Economics

School of Social Sciences

Doon University, Dehradun

2023

Certificate

This is to certify that the Dissertation entitled '**Evaluating Factors Responsible for Acceptance of Electric Vehicles Behaviour**' submitted by Veethika Gupta has been done under my supervision. It is also certified that the work in this Dissertation embodies original research and hard work of the candidate. The assistance and support received throughout the course of investigation and all the literature sources have been fully acknowledged.



Dr. Rahul Saxena
(Supervisor)



Dr. R.P. Mamgain
(Head of the Department)

Evaluating Factors Responsible for Acceptance of Electric Vehicles Behavior

1. Introduction

In India transportation system plays a crucial role in the development of the country. Road transport contributes to nearly one-fifth of the EU's total emissions of CO₂, the main greenhouse gas (GHGs) (European Commission, 2012). Last so many years' people are trying to develop new technologies those are low carbon transportation technologies can reduce carbon emission level (Schulte, I.; Hart, D.). Additionally, between 1990 and 2010, CO₂ emissions from road travel rose by almost 23%, and they are continuing increasing within the EU. Around 15% of the CO₂ emissions in the EU are produced by light-duty vehicles, such as cars and vans (sometimes referred to as passenger cars) (European Commission, 2012). The growing electrification of energy; in 2016, spending by the world's consumers on electricity approached parity with their spending on oil products (World Energy Outlook, 2017). Electric Vehicles are currently introduced as a solution for the carbon emission problem and dependency on the petrol and diesel as well as other environmental issues.

In order to increase vehicle efficiency, electric vehicles, also referred to as battery electric vehicles (BEVs), plug-in hybrid electric vehicles (PHEVs), and hybrid electric vehicles (HEVs), all use electricity. As a result, they are all referred to as electric vehicles. Different types of electric vehicles:

1. Pure Electric Vehicles- possess a battery that can be charged by plugging the car at a charging station. These automobiles always run on electricity and often have a range of 150 to 400 miles.