

ANNUAL REPORT  
2021 – 2022



DOON UNIVERSITY  
DEHRADUN

Doon University, 2022  
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## MESSAGE FROM The Vice Chancellor



Established by the Government of Uttarakhand by an Act of State Legislature in 2005 with a mandate to provide quality education and to emerge as a Centre for Excellence in higher education, The Doon University is constantly striving to establish new landmarks with the support of its academic and non-teaching staff members. Recognized under Section 12(B) of UGC Act and NAAC accredited, the Doon University is now entering into its fifteenth year.

At present, the University is offering degree programmes in School of Environment and Natural Resources (SENR), School of Physical Sciences (SOPS), School of Media & Communication Studies, School of Languages (SOL), School of Management (SOM), School of Social Sciences (SOSS), School of Technology (SOT) and School of Design (SOD). Among these, the SOPS has four departments, viz., Dept. of Physics, Dept. of Chemistry, Dept. of Mathematics and Dept. of Computer Science within its ambit. School of Biological Sciences, Deptt of Geology, Geography (under the Nityanand Centre for Himalayan Studies), Deptt of Folk and Performing Arts are the new school and department that are doing very good.

At Doon University, we take pride in having very modern physical and research infrastructure which has gradually but steadily improved over past few years. The University has well equipped classrooms, state of art laboratories and computer facilities. Our sports stadium has facilities for basketball, tennis, volleyball, football and cricket. A multipurpose indoor hall, especially for badminton and table tennis, is also available from this year to the University students and faculty. In addition, well-equipped gyms are also available in hostels for both girls and boys. The University has added one more girls hostel with generous support from State Government.

Our highly qualified, experienced and dedicated faculty members are constantly engaged in the pursuit of excellence in their respective fields. We continue to establish collaborative partnerships with business, government, other research institutions as well as various agencies and civil society organizations. We also keep on inviting eminent scholars and scientists to deliver lectures and impart training to the students to keep the students tuned with emerging requirements in academia, profession and industry.

With best wishes

(Prof. Surekha Dangwal)



## 2. About Doon University

The idea of Doon University draws its elements from huge deficit that the state of Uttarakhand has been experiencing in the area of excellence in higher education. The Doon University Bill, 2005 (Uttaranchal Adhiniyam Sankhya 18 of 2005) was passed by the Uttarakhand Legislative Assembly and by the Governor on April 23, 2005. It was published in the Uttarakhand Gazette on April 26, 2005. On 9th May 2009 its Statutes were approved and the University started its first academic session on 6th August 2009. The spirit of the Act is to create an autonomous and accountable institution of higher learning. Accordingly, the University intends to impart socially and economically relevant education. It also aims to provide lead in frontier areas of research and methods of pedagogy. Indeed, the mandate is huge and challenging.

### 2.1. University Vision

In accordance with the provision in Section 5(1) of the Act, Doon University shall become a Centre of Excellence in the chosen areas of studies, and shall carry out research for the advancement and dissemination of knowledge. Such an effort shall be benchmarked with the best in the country and globally. The Doon University will be known for:

- Student and learning-to-learn centered pedagogy supported by a community of eminent research scholars.
- Leadership through collaborative educational ventures &
- Value-based learning

### 2.2 University Mission:

The University shall work to achieve the following

- State-of-the-art educational programmes in cutting-edge disciplines of regional, national and international relevance
- Conduct high quality and multidisciplinary research to expand the boundaries of the knowledge in the chosen areas and
- Provide a challenging and conducive environment for scholars and researchers to engage in pursuit of excellence

### 2.3. Character of the University

In consonance with the spirit of Doon University Act, the character of the University can be as summarized below:

- Centre of excellence in higher studies, sensitive to the requirements of society and having twinning arrangements with leading universities/institutions to offer joint programmes in teaching and research.
- Students to be drawn from across the country and abroad, especially from the developing countries besides from Uttarakhand.
- Selection of the students to various academic programmes to be made strictly on the basis of merit and aptitude.
- Recruitment of high-quality faculty from across the country.

### 2.4. Pedagogy at Doon University:

The pedagogical approach is premised on basic recognition that pedagogical choice for the twenty-first century must reflect the changing educational, technological, professional, societal needs and aspirations. This recognition and its acceptance in turn requires/demands a shift from traditional forms of only classroom-based and teacher-centered instructions to more holistic approach to acquiring knowledge and skills appropriate for the times which is achieved through four key elements of the pedagogical orientation namely: Active learning, Learning beyond the classroom, Education for profession and Career skills. This has been achieved through the following:

- Advisor for each student for close student-teacher interaction
- Tutorials-learning beyond classrooms
- Continuous evaluation through seasonal seminars, projects, assignments, tests/quizzes
- Field Study/Summer Internship for third Semester students for first hand professional experience and hands-on training.
- Dissertation in fourth Semester for enhancing analytical capacity and research aptitude in students

## 3. Governance Structure Of The University

### 3.1 The University Court

The Court is the supreme authority of the University and has the power to review the acts of the Executive Council and the Academic Council. The composition of the University Court is given in Annexure-1.

### 3.2. The Executive Council of Doon University (EC)

The Executive Council is the highest executive body of the University (Annexure II). The Executive Council has an institutional oversight role and coordinates in giving a strategic direction to the University. It has the responsibility of upholding the dignity and unity of the University; and of advising the vice Chancellor on policy matters affecting the University as a whole. The Executive Council awards scholarships, medals and other rewards in accordance with the statutes and ordinances. The Council also oversees the appointment of teachers, officers and other employees of the University and defines their duties and the conditions of service.

### Key Decision taken by the Executive Council

1. Approved recommendations of Selection Committee for the post of Associate Professor, Dept. of English.
2. Approve Proposal for teaching and staff positions for Centre for Uttarakhand Languages, Folk Performing Arts and Culture and (Uttarakhand Bhasha, Lok Kala Evam Sanskriti Nishpadan Kendra).
3. Approved establishment of School of Biological Sciences and proposal of creation of teaching and non-teaching positions for the school.
4. Approved the draft guidelines for the admission of Foreign Nationals and establishment of International Office for foreign students in Doon University.

### 3.3 Academic Council (AC) of Doon University

The Academic Council (AC) is the custodians of academic activities of the University (Annexure III). It is vested with powers to propose, establish and abolish Faculties, Departments, and institutions, inter-disciplinary Research Centers, specialized Laboratories and Libraries etc. The Academic Council is also vested with the powers to recommend to the Executive Council the creation and abolition of teaching posts in the University, draft regulations on admission and examinations, appoint examiners, confer honorary degrees and recommend institution of fellowships and scholarships etc. The current composition of the Academic Council of Doon University is given in Annexure III.

### Key Decision taken by the Academic Council

1. Approved two credit courses for awareness about publication ethics and publications misconducts entitled "Research and Publications Ethics (RPF) for all Ph.D. students.
2. Approved publicizing and adoption of MOOCs courses through SWAYAM platform for the benefit of students
3. Approved the recommendations of the committee regarding minor modifications in the examination system of Doon University in the interest of students.
4. Approved Proposal for establishing Centre for Uttarakhand Languages, Folk Performing Arts and Culture and (Uttarakhand Bhasha, Lok Kala Evam Sanskriti Nishpadan Kendra).
5. Approved establishment of School of Biological Sciences and introduce name of the programs this school.
6. Approved introduction of the Ph.D. program for

the Department of English.

7. Approved “Earn While You Learn” Scheme Ordinance.

### 3.4 Finance Committee (FC)

The Finance Committee of the University considers the annual accounts, financial estimates and expenditure proposals. The annual accounts and estimates of the university, duly approved by the Finance Committee, are submitted to the Executive Council for approval. The composition of the existing Finance Committee of Doon University is given in Annexure-IV

### 3.5 Officers of the University

1. Prof. Surekha Dangwal, Vice Chancellor
2. Dr. M.S. Mandrawal, Registrar
3. Shri Sunil Kumar Raturi, Finance Controller

## 4. Academic Achievements

### 4.1. First Academic Session (2009-2010)

The first Academic Session of Doon University was inaugurated by then Honorable Chief Minister of Uttarakhand, Dr. Ramesh Pokhriyal "Nishank" on 6<sup>th</sup> August, 2009. The session started with the intake of 77 students in M.Sc. (Environmental Science) in School of Environmental and Natural resource and M.A. (Communication) in School of Communication. The students for both the programmes were selected through competitive entrance test conducted in Dehradun on 19<sup>th</sup> July, 2009.

### 4.2. Second Academic Session (2010-2011)

During the academic session 2010-2011, admissions were offered in the following eight Academic Programmes and a total of 180 students were admitted:

1. M.A. Communication [School of Communication]
2. M.Sc. Environmental Science [School of Environment and Natural Resources]
3. M.Sc. Natural Resource Management [School of Environment and Natural Resources]
4. M.A. Economics [School of Social Sciences]
5. M.A. German (Five yr integrated Program) [School of Languages]
6. M.A Spanish (Five yr integrated Program) [School of Languages]
7. M.A Chinese (Five yr integrated Program) [School of Languages]
8. MBA [School of Management]

The admissions for all above program except for MBA were based on the entrance test conducted on 13th June, 2010 at five centres viz; Dehradun, Haldwani, Lucknow, New Delhi and Gauhati. For MBA programme, the admissions were based on the group discussion of the candidates having valid MAT/CAT score on June 19-June 20, 2010. The students were

admitted in the varsity not only from Uttarakhand, but also from the other states (West Bengal, Assam, Sikkim, and Haryana) for the first time.

### 4.3. Third Academic Session (2011-2012)

The admissions were offered in the following eleven Academic programs for the academic session 2011-2012. A total of 205 students were admitted:

1. M.A. Communication [School of Communication]
2. M.A. Communication (5 years Integrated programme) [School of Communication]
3. M.Sc. Environmental Science [School of Environment and Natural Resources]
4. M.Sc. Natural Resource Management [School of Environment and Natural Resources]
5. Ph. D. Environmental Science [School of Environment and Natural Resources]
6. M.A. Economics [School of Social Sciences]
7. M.Sc. Economics (5 years Integrated Programme) [School of Social Sciences]
8. M.A. German (5 years Integrated Programme) [School of Languages]
9. M.A. Spanish (5 years Integrated Programme) [School of Languages]
10. M.A. Chinese (5 years Integrated Programme) [School of Languages]
11. MBA [School of Management]

### 4.4. Fourth Academic Session (2012-2013)

Admissions were offered in the following eleven academic programs for the academic session 2012-2013 and a total of 194 students were admitted:

1. M.A. Communication [School of Communication]
2. M.A. Communication (5 years Integrated programme) [School of Communication]
3. M.Sc. Environmental Science [School of Environment and Natural Resources]
4. M.Sc. Natural Resource Management [School of Environment and Natural Resources]

5. Ph. D. Environmental Science [School of Environment and Natural Resources]
6. M.A. Economics [School of Social Sciences]
7. M.Sc. Economics (5 years Integrated Programme) [School of Social Sciences]
8. M.A. German (5 years Integrated Programme) [School of Languages]
9. M.A. Spanish (5 years Integrated Programme) [School of Languages]
10. M.A. Chinese (5 years Integrated Programme) [School of Languages]
11. Masters in Business Administration [School of Management]

#### 4.5. Fifth Academic Session (2013-2014)

Admissions were offered in the following academic programs and a total of 359 students were admitted:

1. M.A. Communication [School of Communication]
2. M.A. Communication (5 years Integrated programme) [School of Communication]
3. M.Sc. Environmental Science [School of Environment and Natural Resources]
4. M.Sc. Natural Resource Management [School of Environment and Natural Resources]
5. M. Tech Environmental Technology [School of Environment and Natural Resources]
6. Ph. D. Environmental Science [School of Environment and Natural Resources]
7. M.A. Economics [School of Social Sciences]
8. M.Sc. Economics (5 years Integrated Programme) [School of Social Sciences]
9. M.A. German (5 years Integrated Programme) [School of Languages]
10. M.A. Spanish (5 years Integrated Programme) [School of Languages]
11. M.A. Chinese (5 years Integrated Programme) [School of Languages]
12. M.A. Japanese (5 years Integrated Programme) [School of Languages]
13. 2 years Masters in Business Administration [School of Management]
14. 5 years Integrated Masters in Business Administration [School of Management]

The admissions for all the above mentioned programmes were carried out through an entrance

exam except for MBA. The entrance exam was conducted on July 14, 2013 at five centres viz., Dehradun, Haldwani, Lucknow, New Delhi, and Guwahati. For MBA programme, the admissions were based on the group discussion of the candidates having valid MAT/CAT score.

#### 4.6. Sixth Academic Session (2014-2015)

Admissions were offered in the following academic programs:

1. M.A. Communication [School of Communication]
2. M.A. Communication (5 years Integrated programme) [School of Communication]
3. Ph. D. Communication [School of Communication]
4. M.Sc. Environmental Science [School of Environment and Natural Resources]
5. M.Sc. Natural Resource Management [School of Environment and Natural Resources]
6. M. Tech Environmental Technology [School of Environment and Natural Resources]
7. Ph. D. Environmental Science [School of Environment and Natural Resources]
8. M.A. Economics [School of Social Sciences]
9. M.Sc. Economics (5 years Integrated Programme) [School of Social Sciences]
10. M. Phil Economics [School of Social Sciences]
11. M.A. German (5 years Integrated Programme) [School of Languages]
12. M.A. Spanish (5 years Integrated Programme) [School of Languages]
13. M.A. Chinese (5 years Integrated Programme) [School of Languages]
14. M.A. Japanese (5 years Integrated Programme) [School of Languages]
15. M.A. French (5 years Integrated Programme) [School of Languages]
16. 2 years Masters in Business Administration [School of Management]
17. 5 years Integrated Masters in Business Administration [School of Management]
18. Ph. D. Management [School of Management]
19. 5 years Masters in Computer Application [School of Technology]

#### 4.7 Seventh Academic Session (2015-2016)

Admissions were offered in the following academic programs:

1. M.A. Communication [School of Media & Communication Studies]
2. 5 years Integrated programme [School of Media & Communication Studies]
3. Ph. D. Communication [School of Communication]
4. M.Sc. Environmental Science [School of Environment and Natural Resources]
5. M.Sc. Natural Resource Management [School of Environment and Natural Resources]
6. M. Tech Environmental Technology [School of Environment and Natural Resources]
7. Ph. D. Environmental Science [School of Environment and Natural Resources]
8. M.A. Economics [School of Social Sciences]
9. M.Sc. Economics (5 years Integrated Programme) [School of Social Sciences]
10. M. Phil Economics [School of Social Sciences]
11. M.A. German (5 years Integrated Programme) [School of Languages]
12. M.A. Spanish (5 years Integrated Programme) [School of Languages]
13. M.A. Chinese (5 years Integrated Programme) [School of Languages]
14. M.A. Japanese (5 years Integrated Programme) [School of Languages]
15. M.A. French (5 years Integrated Programme) [School of Languages]
16. 2 years Masters in Business Administration [School of Management]
17. 5 years Integrated Masters in Business Administration [School of Management]
18. Ph. D. Management [School of Management]
19. 5 years Masters in Computer Application [School of Technology]
20. 5 years integrated M.Sc. in Chemistry
21. 5 years integrated M.Sc. in Mathematics
22. 5 years integrated M.Sc. in Physics
23. 2 years M.Sc. in Physics with specialization in opto electronics
24. 2 years M.Sc. in Mathematics

25. 4 Years Bachelor in Design Degree (B Des)

#### 4.8 Eight Academic Session (2016-2017)

Admissions were offered in the following academic programs:

1. M.A. Communication [School of Media & Communication Studies]
2. 5 years Integrated programme [School of Media & Communication Studies]
3. Ph. D. Communication [School of Communication]
4. M.Sc. Environmental Science [School of Environment and Natural Resources]
5. M.Sc. Natural Resource Management [School of Environment and Natural Resources]
6. M. Tech Environmental Technology [School of Environment and Natural Resources]
7. Ph. D. Environmental Science [School of Environment and Natural Resources]
8. M.A. Economics [School of Social Sciences]
9. M.Sc. Economics (5 years Integrated Programme) [School of Social Sciences]
10. M. Phil Economics [School of Social Sciences]
11. M.A. German (5 years Integrated Programme) [School of Languages]
12. M.A. Spanish (5 years Integrated Programme) [School of Languages]
13. M.A. Chinese (5 years Integrated Programme) [School of Languages]
14. M.A. Japanese (5 years Integrated Programme) [School of Languages]
15. M.A. French (5 years Integrated Programme) [School of Languages]
16. 2 years Masters in Business Administration [School of Management]
17. 5 years Integrated Masters in Business Administration [School of Management]
18. Ph. D. Management [School of Management]
19. 5 years Masters in Computer Application [School of Technology]
20. 5 years integrated M.Sc. in Chemistry
21. 5 years integrated M.Sc. in Mathematics
22. 5 years integrated M.Sc. in Physics
23. 2 years M.Sc. in Physics with specialization in opto electronics

24. 2 years M.Sc. in Mathematics
26. 4 Years Bachelor in Design Degree (B. Des.)

#### 4.9 Ninth Academic Session (2017-2018)

Admissions were offered in the following academic programs:

1. M.A. Communication [School of Media & Communication Studies]
2. 5 years Integrated programme [School of Media & Communication Studies]
3. Ph. D. Communication [School of Communication]
4. M.Sc. Environmental Science [School of Environment and Natural Resources]
5. M.Sc. Natural Resource Management [School of Environment and Natural Resources]
6. M. Tech Environmental Technology [School of Environment and Natural Resources]
7. Ph. D. Environmental Science [School of Environment and Natural Resources]
8. M.A. Economics [School of Social Sciences]
9. M.Sc. Economics (5 years Integrated Programme) [School of Social Sciences]
10. M. Phil Economics [School of Social Sciences]
11. M.A. German (5 years Integrated Programme) [School of Languages]
12. M.A. Spanish (5 years Integrated Programme) [School of Languages]
13. M.A. Chinese (5 years Integrated Programme) [School of Languages]
14. M.A. Japanese (5 years Integrated Programme) [School of Languages]
15. M.A. French (5 years Integrated Programme) [School of Languages]
16. 2 years Masters in Business Administration [School of Management]
17. 5 years Integrated Masters in Business Administration [School of Management]
18. Ph. D. Management [School of Management]
19. 5 years Masters in Computer Application [School of Technology]
20. 5 years integrated M.Sc. in Chemistr
21. 5 years integrated M.Sc. in Mathematics
22. 5 years integrated M.Sc. in Physics
23. 2 years M.Sc. in Physics with specialization in opto electronics

24. 2 years M.Sc. in Mathematics
25. 4 Years Bachelor in Design Degree (B Des)

#### 4.10 Tenth Academic Session (2018-2019)

Admissions were offered in the following academic programs:

1. M.A. Communication [School of Media & Communication Studies]
2. 5 years Integrated programme [School of Media & Communication Studies]
3. Ph. D. Communication [School of Communication]
4. M.Sc. Environmental Science [School of Environment and Natural Resources]
5. M.Sc. Natural Resource Management [School of Environment and Natural Resources]
6. M. Tech Environmental Technology [School of Environment and Natural Resources]
7. Ph. D. Environmental Science [School of Environment and Natural Resources]
8. M.A. Economics [School of Social Sciences]
9. M.Sc. Economics (5 years Integrated Programme) [School of Social Sciences]
10. M. Phil Economics [School of Social Sciences]
11. M.A. German (5 years Integrated Programme) [School of Languages]
12. M.A. Spanish (5 years Integrated Programme) [School of Languages]
13. M.A. Chinese (5 years Integrated Programme) [School of Languages]
14. M.A. Japanese (5 years Integrated Programme) [School of Languages]
15. M.A. French (5 years Integrated Programme) [School of Languages]
16. 2 years Masters in Business Administration [School of Management]
17. 5 years Integrated Masters in Business Administration [School of Management]
18. Ph. D. Management [School of Management]
19. 5 years Masters in Computer Application [School of Technology]
20. 5 years integrated M.Sc. in Chemistr
21. 5 years integrated M.Sc. in Mathematics
22. 5 years integrated M.Sc. in Physics
23. 2 years M.Sc. in Physics with specialization in opto electronics

24. 2 years M.Sc. in Mathematics
25. 4 Years Bachelor in Design Degree (B Des)

#### 4.11 Eleventh Academic Session (2019-2020)

Admissions were offered in the following fifteen academic programs:

1. M.A. Communication [School of Media & Communication Studies]
2. 5 years Integrated programme [School of Media & Communication Studies]
3. Ph. D. Communication [School of Communication]
4. M.Sc. Environmental Science [School of Environment and Natural Resources]
5. M.Sc. Natural Resource Management [School of Environment and Natural Resources]
6. M. Tech Environmental Technology [School of Environment and Natural Resources]
7. Ph. D. Environmental Science [School of Environment and Natural Resources]
8. M.A. Economics [School of Social Sciences]
9. M.Sc. Economics (5 years Integrated Programme) [School of Social Sciences]
10. M. Phil Economics [School of Social Sciences]
11. M.A. German (5 years Integrated Programme) [School of Languages]
12. M.A. Spanish (5 years Integrated Programme) [School of Languages]
13. M.A. Chinese (5 years Integrated Programme) [School of Languages]
14. M.A. Japanese (5 years Integrated Programme) [School of Languages]
15. M.A. French (5 years Integrated Programme) [School of Languages]
16. 2 years Masters in Business Administration [School of Management]
17. 5 years Integrated Masters in Business Administration [School of Management]
18. Ph. D. Management [School of Management]
19. 5 years Masters in Computer Application [School of Technology]
20. 5 years integrated M.Sc. in Chemistr
21. 5 years integrated M.Sc. in Mathematics
22. 5 years integrated M.Sc. in Physics
23. 2 years M.Sc. in Physics with specialization in

opto electronics

24. 2 years M.Sc. in Mathematics
25. 4 Years Bachelor in Design Degree (B. Des.)

#### 4.12 Twelfth Academic Session (2020-2021)

Admissions were offered in the following fifteen academic programs:

1. M.A. Communication [School of Media & Communication Studies]
2. 5 years Integrated programme [School of Media & Communication Studies]
3. Ph. D. Communication [School of Communication]
4. M.Sc. Environmental Science [School of Environment and Natural Resources]
5. M.Sc. Natural Resource Management [School of Environment and Natural Resources]
6. M. Tech Environmental Technology [School of Environment and Natural Resources]
7. Ph. D. Environmental Science [School of Environment and Natural Resources]
8. M.A. Economics [School of Social Sciences]
9. M.Sc. Economics (5 years Integrated Programme) [School of Social Sciences]
10. M. Phil Economics [School of Social Sciences]
11. M.A. German (5 years Integrated Programme) [School of Languages]
12. M.A. Spanish (5 years Integrated Programme) [School of Languages]
13. M.A. Chinese (5 years Integrated Programme) [School of Languages]
14. M.A. Japanese (5 years Integrated Programme) [School of Languages]
15. M.A. French (5 years Integrated Programme) [School of Languages]
16. 2 years Masters in Business Administration [School of Management]
17. 5 years Integrated Masters in Business Administration [School of Management]
18. Ph. D. Management [School of Management]
19. 5 years Masters in Computer Application [School of Technology]
20. 5 years integrated M.Sc. in Chemistr
21. 5 years integrated M.Sc. in Mathematics
22. 5 years integrated M.Sc. in Physics
23. 2 years M.Sc. in Physics with specialization

- in opto electronics
24. 2 years M.Sc. in Mathematics
  25. 4 Years Bachelor in Design Degree (B. Des.)
  26. 5 Years Integrated Masters in Biological Sciences
  27. 2 Years Masters in Social Works
  28. 2 Years Masters in Geography
  29. 2 Years Masters in Geology

#### 4.13 Thirteenth Academic Session (2021-2022)

Admissions were offered in the following fifteen academic programs:

1. M.A. Communication [School of Media & Communication Studies]
2. 5 years Integrated programme [School of Media & Communication Studies]
3. Ph. D. Communication [School of Communication]
4. M.Sc. Environmental Science [School of Environment and Natural Resources]
5. M.Sc. Natural Resource Management [School of Environment and Natural Resources]
6. M. Tech Environmental Technology [School of Environment and Natural Resources]
7. Ph. D. Environmental Science [School of Environment and Natural Resources]
8. M.A. Economics [School of Social Sciences]
9. M.Sc. Economics (5 years Integrated Programme) [School of Social Sciences]
10. M. Phil Economics [School of Social Sciences]
11. M.A. German (5 years Integrated Programme) [School of Languages]
12. M.A. Spanish (5 years Integrated Programme) [School of Languages]
13. M.A. Chinese (5 years Integrated Programme) [School of Languages]
14. M.A. Japanese (5 years Integrated Programme) [School of Languages]
15. M.A. French (5 years Integrated Programme) [School of Languages]
16. 2 years Masters in Business Administration [School of Management]
17. 5 years Integrated Masters in Business Administration [School of Management]
18. Ph. D. Management [School of Management]
19. 5 years Masters in Computer Application

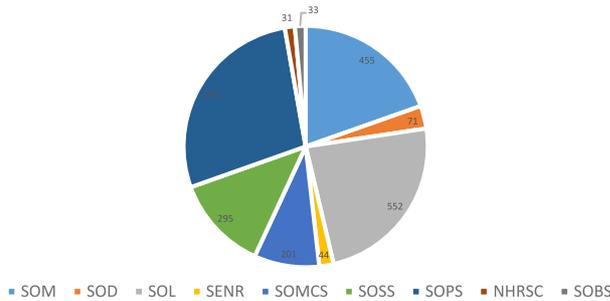
- [School of Technology]
20. 5 years integrated M.Sc. in Chemistr
  21. 5 years integrated M.Sc. in Mathematics
  22. 5 years integrated M.Sc. in Physics
  23. 2 years M.Sc. in Physics with specialization in opto electronics
  24. 2 years M.Sc. in Mathematics
  25. 4 Years Bachelor in Design Degree (B. Des.)
  26. 5 Years Integrated Masters in Biological Sciences
  27. 2 Years Masters in Social Works
  28. 2 Years Masters in Geography
  29. 2 Years Masters in Geology

### 4.14 Admissions

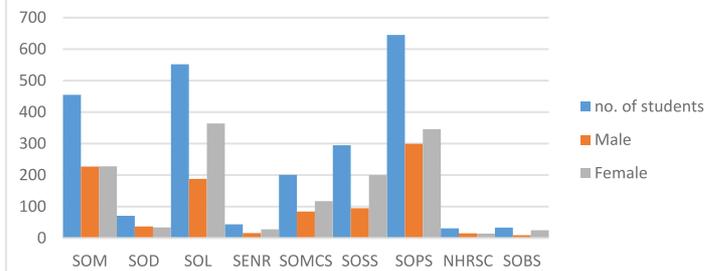
#### Data of Students for the year 2021-22

School	no. of students	Male	Female
SOM	455	227	228
SOD	71	37	34
SOL	552	188	364
SENR	44	16	28
SOMCS	201	84	117
SOSS	295	95	200
SOPS	645	299	346
NHRSC	31	15	14
SOBS	33	9	25
	2327	970	1356

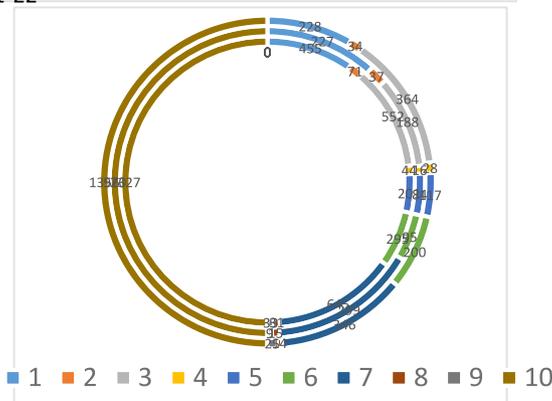
#### School wise Admitted No. of Students 2021-22



#### Number of Male, Female & Total Students Admitted During 2021-22



#### Proportion of Male and Female Students admitted during 2021-22



## 4.15 Orientation Programme for New Students

On the first day of orientation week, each School & Deptts organized an interactive online orientation session for new students. Students were oriented about course structure, credit system and examination system of the University by the respective Heads/In-Charges of the Schools/Departments during the orientation session. The students were also informed about the important committees such as CRGI (Committee for Redressal of Gender Issues), Anti-ragging, Grievance redressal committee, Cultural committee, Sports committee etc. The students were also informed about the various facilities such as Post-Office, ATM, Gym, Indoor/Outdoor sports facilities and Day-care center in the University. In addition, each school also organized a series of invited lectures by the eminent speakers in their respective domain.

## 4.16 Faculty Achievements

The current faculty strength of Doon University is 115. The faculty is the representative of the diversity of the country. Approximately, half of the faculty is female. The complete data is given in a table below:

	Male	Female	Total
<b>Regular Faculty</b>	27	23	50
<b>Contractual Faculty</b>	26	36	62
<b>Visiting Faculty</b>	01	02	03

Besides teaching, the faculty members of Doon University are engaged in publishing research papers and articles, writing and editing books, contributing chapters in the books, and organizing and presenting papers in seminars, conference and workshops. The faculty members have been awarded major and minor research projects from various agencies such as HRDI/SMPB, DST, ICSSR, UGC and Ministry of Textile, Govt of India.

### A. Publications

The details of Publications from the University have been provided School/Department wise in the Chapter “Academic Schools”.

### B. Extramural Research Grants and Fellowship

#### Doon University, Dehradun (Project Details 2021-22)

Sl. No.	Name of PI/PD	Funding agency	Project Details	Year	Sanction Project amount Rs
1	Dr. Achilesh Daverey	MU Gamma Consultant	Consultancy	2021-22	07.00 lakh
2	Dr. S.S.Suthar	National Mission Clean Ganga	Consultancy	2021-22	19.36 Lakh

3	Dr. Vijay Sridhar	UKPCB	CAAQMS	2021-22	82.38 Lakh
4	Dr. Vijay Shridhar	Ministry of Earth Science	PBHCZO	2021-22	94.08 Lakh
5	Dr. Preeti Mishra	SERB	Designing hybrid introspection enabled VMM-based security architecture to protect against attacks	2021-22	21.34 Lakh
6	Dr. Dhriti Dhaundiyaal	NPCG	Namami Ganga (IEC, Activities)	2021-22	5.00 Lakh

### Doon University, Dehradun (Fellowship Details 2021-22)

Sl. No.	Name of PI/PD	Funding agency	Fellowship Details	Year 2021-22	Sanction Project amount Rs
1	Dr. Mayank Kohli	DST	Inspire Faculty Award	2021-22	22.00 Lakh
2	Dr. D.D. Chauniyaal	ICSSR	Senior Research Fellowship	2021-22	5.80 Lakh
3	Ms. Shreyashi Nautiyal	ICSSR	Doctorate Fellowship	2021-22	2.60 Lakh

### 4.17 Students' Achievements:

The Doon University students are doing increasingly well in the field of academics and have shown their potential at national as well as at international level. A number of students have been directly placed in the industry/private sectors through the placement cell of Doon University. The students have also been contributing in the “research publications” which have been detailed in the section “Academic School”. A few students have also bagged national research fellowships.

### 4.18 Academic Collaborations

In order to promote academic and research collaboration with the national and international institutions in the form of student faculty exchange and joint research, the University has signed memorandum of understanding (MOU) with the following Academic and Research Organizations:

1. Wadia Institute of Himalayan Geology, Dehradun (WIHG)
2. Indian Institute of Petroleum, Dehradun (IIP)
3. Indian Institute of Remote Sensing IIRS, Dehradun
4. German Centre, SoL, Doon University with University of Osnabruck
5. Spanish Centre, SoL, Doon University with University of Salamanca and University of Sevilla and Instituto Cervantes, New Delhi.
6. Wildlife Insitute of India

## 4.19 Research and Development Cell

Research and Development Cell was established in 2021 in the form of Research and Innovation Cell. In view of the guidelines, issued by UGC, it has been renamed. At present, it exists as Research and Development Cell. The cell has the mandate to promote research activities in different disciplines.

The cell organized Professional Advancement Program entitled "*The Left, Right and Center in Securing a Patent: What it takes to draft a Claim*" from Nov 26-27, 2021 held at Doon University, Dehradun in Collaboration with Banakar Consulting Services, USA.

On December 22, 2021, Research and Innovation Cell recognized Dr. Surendra Singh Suthar as the best researcher of the year 2020, and Dr. Achlesh Daverey as the Best Researcher of the Year 2021 of the University. The cell also recognized Dr. Varun Dev Sharma as the Best Language Teacher of the year 2021.

### Research & Innovation Cell, Doon University



In March 2022, the cell has also established Doon University-Banakar Centre of IPR at Doon University by signing MoU with Banakar Consulting Services, USA. This centre has the objectives to serve and promote awareness of IPR within the academic as well as technical/scientific centers/organizations of the state of Uttarakhand. In near future, this centre will evolve as the academic center for IPR. With the help of this centre, the University is organizing professional advancement programs. This centre is also working to integrate IP in the academic curricula of DU, provide IP services (advisory, clinic, etc.) to institutions, professional associations, research centers, professional technical programs (engineering, health sciences, pharmaceutical sciences, agricultural sciences, etc.)

The cell organized national level Professional Advancement Program for Indian Women Researchers in STEM in collaboration with School of Physical Sciences (SoPS) during June 02-03, 2022 at the University. This program was sponsored by Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Ministry of Science and Technology, Government of India. Female researchers from different parts of India participated in this program.



Prof. Surekha Dangwal (Hon'ble Vice-Chancellor), Prof. Sandeep Verma (Secretary, Science and Engineering Research Board, Department of Science and Technology, Government of India) and Shri Pushkar Singh Dhama (Hon'ble Chief Minister, Government of Uttarakhand) in the Inaugural Session of Professional Advancement Program for Indian Women Researchers in STEM on June 02, 2022

The cell organized Synergistic Training program utilizing the Scientific and Technological Infrastructure (STUTI) on High End Techniques for Analysis of Molecules, Materials and Pollutants in collaboration with School of Physical Sciences (SoPS) and School of Environment and Natural Resources (SENRR) during 27<sup>th</sup> October 2022 (Thursday) – 2<sup>nd</sup> November 2022 (Wednesday). This program was sponsored fully by Department of Science and Technology (DST), Government of India. Thirty participants from different states participated in this training program.



Inaugural Session of STUTI at Senate Hall, Doon University on 27<sup>th</sup> October 2022

The cell organized interactive session of faculty members and students of the University with an eminent

academician and distinguished scientist Prof. P. Balam (Padma Bhushan Awardee and Former Director of Indian Institute of Sciences Bangalore) on very significant and relevant topics entitled “*Science Communication: Shaping the Public Perception of Science*” and “*Reflections on the Science in the Age of Coronavirus*” on 1<sup>st</sup> November 2022 (Tuesday).



Prof. P. Balam (Former Director, Indian Institute of Science Bangalore) and Prof. Surekha Dangwal (Hon'ble Vice-Chancellor) Doon University



Prof. P. Balam (Former Director, Indian Institute of Science Bangalore) and Prof. Surekha Dangwal (Hon'ble Vice-Chancellor) Doon University



Faculty Members & Students of Doon University and Participants of STUTI with Prof. P. Balam (Padma Bhushan) and Prof. Surekha Dangwal (Hon'ble Vice-Chancellor) Doon University

## 5. Fellowship/scholarship

Doon University is committed to award scholarships/financial support to the poor and needy students. The University considers fee waive (fully or partially) for meritorious students belonging to weaker section of the Society up to a maximum of 10% of total students. The fellowships awarded by the University are as follows

### Doon University Students Aid Fund 2021-22

Recipient of Doon University Student Aid fund for the year 2021-22

S.N	Name of the student	Father's name	Programme/ Semester
1.	Arya Chouksey	M. S. Chouksey	B.Des. II sem
2.	Arun Kumar Maurya	Satyanarayan	M.Tech I sem
3.	Priyanshi Pokhriyal	Kulanand Pokhriyal	Ing. M.A. Comm II sem
4.	Prachi Tomar	Baldev Singh	M.Sc. Economics IV sem
5.	Aditi Tomar (Waitlisted-1)	Chetan Singh Tomar	M.Sc. Economics
6.	Akash Agrawal (Waitlisted-2)	Chandra Vardhan	M.Sc. Economics VIII sem
7	Namrta Vaishnav	Shashank Vaishnav	B.A. German IV Sem
8	Jagruti Khatri	Uday Chand Khatri	B.A. German II Sem
9	Manish Singh Koranga	Anand Singh	MBA II Sem
10	Sonam	Vipin Kumar	Int. M.Sc. Maths VIII sem
11	Shubhranshu Kaira	Brijmohan Kaira	Int. M.Sc. Maths II sem
12	Kartik Arora	Brijmohan Arora	Int. M.Sc. Maths VIII sem
13	Sakshi Petwal	Ramanand Petwal	Int. M.Sc. Maths II sem
14	Simran Negi	Meharban Singh Negi	Int. M.Sc. Maths II sem
15	Pooja	Harendra Singh	Int. M.Sc. Maths IV sem
16	Preeti Roy	Prabheet Roy	Int. M.Sc. Comp Scie. II sem
17	Gautam Rawat	Vinod Rawat	Int. M.Sc. Comp Scie. II sem
18	Aayush Bajpai	Ajay Kumar Bajpai	Int. M.Sc. Comp Scie. IV sem
19	Deepti Joshi	Govind Joshi	Int. M.Sc. Comp Scie. II sem
20	Priyanshi	Binesh Kumar	Int. M.Sc. Comp Scie. II sem
21	Garima Semwal	Chandra S Semwal	Ing M.Sc. Chemistry II sem
22	Ayushi Joshi	Suresh Chandra Joshi	Ing M.Sc. Chemistry IV sem
23	Vaishnab Joshi	Vijay Nand Joshi	Ing M.Sc. Chemistry IV sem

24	Ayush Sharma	Neeraj Sharma	Ing M.Sc. Physics IV sem
25	Versha Nautiyal	Basudev Nautiyal	B.Sc. Biological Science II sem
26	Ishu	Diwan Singh	M.A. Geography II sem

Recipient of Pt Mahanand Dangwal Scholarship for the year 2021-22

S.N	Name of the student	Father's name	Programme/ Semester
1.	Mohd Urooj Zaidi	Qamar Abbas Zaidi	B.Des. IV Sem
2.	Sonal Shukla	Gyan Vrat Shukla	M.Sc. Environment Science II Sem
3.	Vaishnavi Mishra	Rajendra Kumar	Itg. Media Communication II sem
4.	Akanksha Chauhan	Rajendra Singh	B.A. Psychology
5.	Niharika Tripathi	Trilochan Tripathi	B.A. Spanish IV Sem
6.	Anchal Dimri	Roshal Prasad	Int. M.Sc. Maths II Sem
7	Aayush Kapil	Pravesh Kumar	Ing. M.Sc. Computer Science II sem
8	Mohit Bhatt	Satish Chandra Bhatt	Ing. M.Sc. Computer Science II sem
9	Alok Semwal	Mahesh Semwal	Ing. M.Sc. Physics IV sem
10	Kiran Rawat	Bhajan Singh Rawat	Ing. M.Sc. Physics VIII sem
11	Deepti Sundli	Naveen Chand Sundli	Ing. M.Sc. Physics 2 sem
12	Nitin Kumar	Jasram Singh	Ing. M.Sc. Physics 2 sem
13	Astha Rawat	Hardev Singh Rawat	B.Com. 2 sem

## 6. Academic Schools

### 6.1 School of Environment & Natural Resources (SENR)



**Vision:** The School of Environment and Natural Resources works to integrate and sustain the independent values of healthy environment, a sustainable economy, and livable communities. SENR is dedicated to generating and disseminating knowledge for the stewardship of natural managed environments and the sustainable use of their product and services through teaching, research and outreach. School of Environment and Natural Resources aims to provide world class internationally recognized knowledge and leadership for environmental and natural resources issues. The overarching vision of the school is to be a leader in interdisciplinary, innovative inquiry that generates highly-relevant knowledge, in developing integrative science based solutions to contemporary

environmental problems, in educating tomorrow's scientists and leaders, and in promoting science and education that contributes to a vibrant green economy and a sustainable environment.

**Mission:** The School of Environment and Natural Resources aims at meeting the needs of the society by providing advance training to students in environment and natural resource management through a structured curriculum with integrated multidisciplinary approach involving latest advances in the fields of physical, chemical and biological components of the environment. Wherever needed emphasis is given to geo-morphological attributes, and socio-ecological and socio-cultural aspects of mountain ecosystem highlighting

### Faculty Members

Name	Designation
Prof. Kusum Arunachalam PhD NEHU, Shillong	Professor & Head
Dr. Surendra Singh Suthar, Ph.D., JNU University	Associate Professor
Dr. Archana Sharma, Ph.D., HNB Garhwal University	Assistant Professor
Dr. Suneet Naithani, Ph.D. HNB Garhwal University	Assistant Professor
Dr. Vijay Sridhar, Ph.D., JNU, New Delhi	Assistant Professor
Dr. Vipin Kumar Saini Ph.D (IIT, Roorkee)	Assistant Professor
Dr. Ujjwal Kumar, M. Phil. (JNU), Ph.D. (JNU)	Assistant Professor
Dr. Achlesh Devere, M. Tech. (ICT, Mumbai), Ph.D. (IIT Guwahati)	Assistant Professor

## Number of Students Admitted in SENR during Academic Session 2021-2022

Name of the Programme	Total Seats	No. of Students admitted	No. of Male students	No. of female students
M.Sc. Environmental Science	20	15	2	13
M.Sc. Natural Resource Management	20	18	5	13
M.Tech Environmental Science	20	7	5	2
Ph.D. Environmental Science	6	6	3	3

### Broad Areas of Research

Bio-resources including biodiversity; Forestry; Ecosystem Structure and Function, Ecology & Ecorestoration; Environmental Pollution; Waste Management; Waste Water treatment, Bioremediation, Geomatics, Geology and Glaciology, Disaster Management, Climate Change, Mountain Ecology, Aquatic Biology, Material Science etc.

### Laboratory Facility

1. A GIS and Remote Sensing Laboratory with 20 Computers, four work Stations and Plotter and Scanner has been established in the school for enhancing the capacity of the students to undertake dissertation and research in the Environment and Natural Resource Management. Ten license of Erdas Imagine and five license of Arc-Info has been procured by the school for the GIS and RS laboratory. The School is further strengthening its RS & GIS Lab in coming days.

### Award and Honour

1. Dr S. S. Suthar is Elected Fellow of Linnean Society London (1<sup>st</sup> April 2021).
2. Dr S. S. Suthar Elected member of Sigma XI, The Scientific Research Honour Society (Established in 1886 at Cornell University, USA) in 2021.
3. Dr. S. S. Suthar delivered Expert Talk in Faculty Development Program (FDP) on "Modern Trends in Manufacturing Processes and Control Techniques in Renewable Energy System" being organized by NIT Delhi, India during November 16 -

November 21, 2021.

4. Dr S. S. Suthar appointed as member of BOS of Department of Applied Sciences, NIT Delhi in 2021 for two years.
5. Dr. S. S. Suthar appointed as member of Intrenal Green Audit Cell of Graphic Era University, Dehradun (30 November 2021).
6. Dr. S. S. Suthar appointed member of Commission of Ecosystem Management (IUCN, Gland, Switzerland) for period 2021 – 2023.
7. Prof. Kusum Arunachal has been nominated in the Board of Governance of Arunachal University of Studies (Namsai), Arunachal Pradesh, 2021.
8. Prof. Kusum Arunachalam has been nominated in Executive Council of International Society of Agroforestry, 2021.
9. Prof. Kusum Arunachalam nominated in Board of studies of Department of Zoology & Environmental Science, Gurukul Kangri University, 2021.
10. Prof. Kusum arunachalam nominated in the Governing Body of B.S. Negi Women.s Polytechnique, ONGC, Dehradun for 2019-2022.
11. Dr. Vijay Sridhar has been nominated as Coordinator Doon University for National Clean Air Programme.
12. Dr. Sueet Naithani has been nominated as Reviewer of Journal of Global Ecology and Environment, 2021.
13. Dr. Sueet Naithani has been nominated as Reviewer of Journal of Geography, Environment and Earth Science International, 2021.
14. Dr Suneet Naithani nominated as Member of WASH Champion Trainers' Club, National Institute of Rural Development (NIRD),

Hyderabad, 2021.

15. Dr. Achlesh Daverey enlisted in Top 2% Scientist of the World by Stanford University, USA (2021) in Biotechnology Discipline.
16. Dr. Daverey joined the editorial board of "International Biodeterioration and Biodegradation (Elsevier)" Journal (since January 2021)
17. Dr. Archana Sharma is also the Member of India-UK Water Centre (Open Network).
18. Dr. Achlesh Daverey associated with International Society for Development and Sustainability (ISDS), Japanas Member (Lifetime Full Member) since 2021.
19. Dr. Achlesh Daverey served as Guest Editor for "Sustainability" (MDPI Journal; IF: 3.2) during the year 2021-22.
20. Dr. Achlesh Daverey appointed as Review Editor for Frontiers in Microbiology Journal.
21. Dr. Achlesh Daverey appointed as Review Editor for Frontiers in Water. 2020.

#### Research Publications

1. Singh, A.K., Hazarika, N., Kumar, U., Srivastava, A., 2021, Assessment of size distribution of aerosols at kitchen environment in Delhi, India, Urban Climate, 3 7 , 1 0 0 8 1 9 , <https://doi.org/10.1016/j.uclim.2021.100819> (IF:5.7).
2. Suthar, S., N.K. Singh, 2021. Fungal pretreatment facilitates the apid and valuable composting of waste cardboard. *Bioresource Tecnology* 126178 (Elsevier) [IF=9.642].
3. Chand, N., Kumar, K., Suthar, S., 2021. Enhanced wastewater nutrients removal in vertical subsurface flow constructed wetland: Effect of biochar addition and tidal flow operation. *Chemosphere*, 131742 (Elsevier), [IF=7.086].
4. Suthar, S., Sharma, B., Thakur, U., Kumar, K., Banu, R.J., Tyagi, V.K., 2021. Enhanced biogas production in dilute acid-thermal pretreatment and cattle dung biochar mediated biomethanation of water hyacinth. *Fuel* 307, 121897 (Elsevier) [IF=6.609].
5. Singh, V., Suthar, S., 2021. Occurrence, seasonal variation, mass loading and fate of pharmaceuticals and personal care products (PPCPs) in sewage treatment plants in cities of upper Ganges bank, India. *Journal of Water Process Engineering*(Elsevier) 102399, [IF = 5.483].
6. Chand, N., Kumar, K., Suthar, S., 2021. Wastewater nutrients and coliforms removals in tidal flow constructed wetland: Effect of the plant (*Typha*) stand and biochar addition. *Journal of Water Process Engineering*(Elsevier) 102292, [IF=5.483].
7. Chand, N., Kumar, K., Suthar, S., 2021. Cattle dung biochar-packed vertical flow constructed wetland for nutrient removal: Effect of intermittent aeration and wastewater COD/N loads on the removal process. *Journal of Water Process Engineering* 43, 102215 (Elsevier), [IF=5.483].
8. Singh, V., Suthar, S., 2021. Occurrence, seasonal variations, ecological risk of pharmaceuticals and personal care products in River Ganges at two holy cities of India. *Chemosphere* 268, 129331, (Elsevier), [IF = 7.086].
9. Rai, R., Raj K. Singh, Suthar, S., 2021. Production of compost with biopesticide property from toxic weed *Lantana*: Quantification of alkaloids in compost and bacterial pathogen suppression. *Journal of Hazardous Materials* [3/0](https://doi.org/10.1016/j.jhazmat.2021.123332), 123332 (Elsevier, USA) (IF= 10.588).
10. Singh, N.K., Shahi, K., Kumar, K., Suthar, S., 2021. Enhanced vermicomposting of leaf litter by white-rot fungi pretreatment and subsequent feeding by *Eisenia fetida* under a two-stage process. *Bioresource Technology Reports* 13, 100609 (Elsevier, USA).
11. Singh, V., Suthar, S., 2021. Occurrence, seasonal variations, ecological risk of pharmaceuticals and personal care products in River Ganges at two holy cities of India.

- Chemosphere* 268, 129331, (Elsevier), [IF = 7.086].
12. Rai, R., Raj K. Singh, Suthar, S., 2021. Production of compost with biopesticide property from toxic weed *Lantana*: Quantification of alkaloids in compost and bacterial pathogen suppression. *Journal of Hazardous Materials* [401](#), 123332 (Elsevier, USA) (IF= 10.588).
  13. Pandey, D., Verma, S., Verma, P., Mahanty, B., Dutta, K., Daverey, A., & Arunachalam, K. (2021). SARS-CoV- in wastewater: Challenges for developing countries. *International Journal of Hygiene and Environmental Health*, 231, 113634. (IF: 4.8).
  14. Chandra, K., Sharma, D.K., Shridhar, V., & Arunachalam, K. (2021). A Study on Distribution, Habitat Use and Conservation Status of Himalayan Musk Deer (*Moschus chrysogaster*) in Askot Wildlife Sanctuary, India. *Applied Ecology and Environmental Sciences*, 9 (2), 193-202.
  15. Singh, D., Verma, P., Kumar, U., Daverey, A., & Arunachalam, K. (2021). Effect of forest fire on soil microbial biomass and enzymatic activity in oak and pine forests of Uttarakhand Himalaya, India. *Ecological Processes* 10 (1), 1-14.
  16. Rajpoot, A., Kumar, V.P., Arunachalam, K., & Rasaily, S.S. (2021). National bird, Indian peafowl (*Pavo cristatus*): Using DNA technology for species identification from degraded sample from Uttarakhand, India. *Forensic Science International Animals & Environments* 1, 100004.
  17. Rawat, M., Arunachalam, K., & Arunachalam, A. (2021). Seasonal dynamics in soil microbial biomass C, N and P in a temperate forest ecosystem of Uttarakhand, India. *Tropical Ecology* 62 (3), 377-385.
  18. Sharma, S., Arunachalam, K., & Arunachalam, A. (2021). Ecophysiological responses of *Perilla frutescens* (Linn.) Britt from the Indian Himalayan Region. *Plant Physiology Reports*, 1-14.
  19. Verma, P., Daverey, A., Kumar, A., & Arunachalam, K. (2021). Microbial Fuel Cell & ndash; A Sustainable Approach for Simultaneous Wastewater Treatment and Energy Recovery. *Journal of water processing Engineering*, 40.
  20. Rawat, M., Arunachalam, K., Arunachalam, A., Alatalao, J. M., & Pandey, R. (2021). Predicting litter decomposition rate for temperate forest tree species by the relative contribution of green leaf and litter traits in the Indian Himalayas region. *Ecological Indicators* 119, 106827.
  21. Pandey, D., Singh, S., Dutta, K., Daverey, A., & Arunachalam, K. (2021). Biochar-Based Nanocomposites: A Sustainable Solution for Water and Wastewater Treatment. *Biobased Nanotechnology for Green Applications*, 619-639.
  22. Soni, A., Decesari, S., Gadhavi, H., Paglione, M., Orsini, D., Shridhar, V., & Kumar, U. (2021). Chemical Composition and Radiative Forcing of Atmospheric Aerosols over the High-Altitude Western Himalayas of India., Francesca Volpi., *Environmental Science and Pollution Research*. <http://doi.org/10.1007/s11356-021-15609-4>.
  23. Khati, S., Pandey, A., & Shridhar, V. (2021). Root endophytes associated with apple grown in Himachal Pradesh, in relation to altitude, season, and soil parameters, accepted in *Proceedings of the National Academy of Sciences*, (Springer). <https://doi.org/10.1007/s40011-021-01245-y>.
  24. Dubey, M., Mohapatra, S., Tyagi, V.K., Suthar, S., & Kazmi, A.A. (2021). Occurrence, fate, and persistence of emerging micropollutants in sewage sludge treatment. *Environmental Pollution* 273, 116515.
  25. Dhondiyal, A., Rawat, A., Uniyal, V.P., Rawat, A., Sharma, A., & Sathyakumar, S. (2021). A brief overview of the application of pollution monitoring indices on Amrit Ganga river, Uttarakhand, India. *Int J Fish Aquat Stud*. 9 ( 1 ) : 2 8 8 - 2 9 5 .

- <https://doi.org/10.22271/fish.2021.v9.i1d.2413>.
26. Nautiyal, G., Maithani, S., & Sharma, A., (2021). Exploring the Relationship Between Spatio-temporal Land Cover Dynamics and Surface Temperature Over Dehradun Urban Agglomeration, India. *J Indian Soc Remote Sens* 49, 1307 – 1318 <https://doi.org/10.1007/s12524-021-01323-8>.
  27. Dimri, D., Daverey, A., Kumar, A., & Sharma, A. (2021). Monitoring water quality of River Ganga using multivariate techniques and WQI (Water Quality Index) in Western Himalayan region of Uttarakhand, India, *Environmental Nanotechnology, Monitoring & Management*, Volume 15, <https://doi.org/10.1016/j>.
  28. Nayak, A., Saini, V. K., & Bhushan, B. (2021). Nanomaterials for Energy Harvesting and Storage: An Overview. In M. Bhat, I. Wani, & S. Ashraf (Ed.), *Applications of Nanomaterials in Agriculture, Food Science, and Medicine* (pp. 188-203). IGI Global. <http://doi:10.4018/978-1-7998-5563-7.ch011>
  29. Pandey, P., Shankar, A., Biney, M., Saini, V. K. (2021). Enhancement in amoxicillin adsorption and regeneration properties of SBA-15 after surface modification with polyaniline. *Colloid and Interface Science Communications*. Volume 43, July 2021, 100432. <https://doi.org/10.1016/j.colcom.2021.100432> (IF: 4.914)
  30. Yadav, V., Sharma, H., and Saini, V.K. Facile synthesis of boron and nitrogen doped TiO<sub>2</sub> as effective catalysts for photocatalytic degradation of emerging micro-pollutants. *Journal of Industrial and Engineering Chemistry*. <https://doi.org/10.1016/j.jiec.2021.11.035>. (in press) (IF= 6.04)
  31. Patnaik, S., Sarayanabhupathy, S., Singh, S., Daverey, A., & Dutta, K. (2021). Multi-objective optimization for biomass and lipid production by oleaginous bacteria using vegetable waste as feedstock. *Environmental Engineering Research*. 27(3), 210061 (IF: 2.507).
  32. Manori, S., Shah, V., Soni, V., Dutta, K., Daverey, A. (2021). Phytoremediation of cadmium contaminated soil by *Bidens pilosa*: Impact of pine biochar amendment. *Environmental Science and Pollution Research* (IF: 4.223).
  33. Priya, A., Dutta, K., & Daverey, A. (2021). Comprehensive biotechnological and molecular insight into plastic degradation by microbial community. *Journal of Chemical Technology & Biotechnology*. (IF: 3.174).
  34. Daverey, A., & Dutta, K. (2021). COVID-19: Eco-friendly Hand Hygiene for Human and Environmental Safety. *Journal of Environmental Chemical Engineering*, 9(2), 104754.
  35. Verma, S., Daverey, A., & Lin, J.G. (2021). Successful start-up of anammox process from activated sludge and anaerobic sludge in a sequencing batch reactor using an unconventional strategy. *International Biodeterioration & Biodegradation*. 156, 105132.
  36. Shah, V., & Daverey, A. (2021). Effects of sphorolipids augmentation on the plant growth and phytoremediation of heavy metal contaminated soil. *Journal of Cleaner Production*, 280(1) 124406.
  37. Mishra, T., Kumar, U., Shridhar, V., Arunachalam, K. (2021). Energy Efficiency Study of Uttarakhand India Electric Power Utilities Based on Data Envelopment Analysis. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, (IF: 1.18).
  38. Nautiyal, G., Maithani, S., & Sharma, A. (2021). Exploring the Relationship Between Spatio-temporal Land Cover Dynamics and Surface Temperature Over Dehradun Urban Agglomeration, India. *Journal of the Indian*

Society of Remote Sensing (IF: 1.1).

#### Book Chapters

1. S. Verma, A. Daverey (2021) Chapter 13: Anammox Process: role of reactor systems for its application and implementation in wastewater treatment plants. In: Mohammad A.W., Ang W.L. (Eds) *Integrated and Hybrid Process Technology for Water and Wastewater Treatment Plants*. (pp. 273-292). Elsevier, Netherlands (ISBN: 978-0-12-823031-2).
2. D. Pandey, S. Singh, K. Dutta, A. Daverey, K. Arunachalam (2021) Chapter 22: Biochar-Based Nanocomposites: A Sustainable Solution for Water and Wastewater Treatment. In: Sarma H., Joshi S.J., Prasad R., Jampilek J. (Eds). *Biobased Nanotechnology for Green Applications. Nanotechnology in the Life Sciences*. Eds: Publisher: Springer. (ISBN: 978-3-030-61984-8).
3. P. Verma, D. Pandey, U. Krishnaswamy, K. Dutta, A. Daverey, K. Arunachalam (2021) Simultaneous Wastewater Treatment and Carbon Capture for Energy Production. In: Pant D., Kumar Nadda A., Pant K.K., Agarwal A.K. (Eds) *Advances in Carbon Capture and Utilization. Energy, Environment, and Sustainability*. Springer, Singapore (ISBN: 978-981-16-0637-3)
4. R. Khan, S. Shukla, A. Daverey, C.M. Hussain (2021) Chapter 23: Future of Functionalized Magnetic Nanoparticles in Analytical Chemistry. In: C.M. Hussain (Ed.) *Analytical Applications of Functionalized Magnetic Nanoparticles*. (pp. 574-595). Publisher: Royal Society of Chemistry (ISBN: 978-1-83916-210-7)
5. S. Goswami, A. Kushwaha, L. Goswami, N. Singh, U. Bhan, A. Daverey, C.M. Hussain (2021) Chapter 9: Biological treatment, recovery, and recycling of metals from waste printed circuit boards. In: C.M. Hussain (Ed.) *Environmental Management of Waste*

Electrical and Electronic Equipment. Publisher: Elsevier, Netherlands (ISBN: 978-0128224748).

6. Singh S.B., Arunachalam K., & Salam K.K. (2021). *Gas chromatography-mass*

Training programme attended by the Faculty:

1. Dr. Archana Sharma attended Faculty development programme on Life Skills for Educators held during 2nd – 6th November, 2020 by the Teaching Learning Centre, Indian Institute of Technology (BHU) Varanasi

Students Attachment for the mandatory eight weeks Summer Internship.

1. Center for Agriculture & Farmers Development WII Dehradun
2. Uttarakhand Renewable Energy Development Agency (UREDA) WWF, Dehradun
3. CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY (CIPET)
4. PARYAVARAN MITRA
5. Introduction to Household Water Treatment and Safe Storage (HWTS)
6. WADIA INSTITUTE OF HIMALAYAN GEOLOGY
7. Uttarakhand Renewable Energy Development Agency (UREDA)

Research Projects:

Ongoing Project

1. RIST/THF grant (2021-2024) of Rs 202 Lakhs on Doubling of Farmers income through integrated collective farming in the state of Uttarakhand.
2. Ministry of Earth Sciences grant (2021-2024) of Rs 93 Lakhs on Pramati Critical Zone Observatory.

Training programme attended by the Faculty:

1. Dr. Archana Sharma attended Faculty development programme on Life Skills for Educators held during 2nd – 6th November,

2020 by the Teaching Learning Centre, Indian Institute of Technology (BHU) Varanasi

## Students Attachment for the mandatory eight weeks Summer Internship.

1. Center for Agriculture & Farmers Development WII Dehradun
2. Uttarakhand Renewable Energy Development Agency (UREDA) WWF, Dehradun
3. CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY (CIPET)
4. PARYAVARAN MITRA
5. Introduction to Household Water Treatment and Safe Storage (HWTS)
6. WADIA INSTITUTE OF HIMALAYAN GEOLOGY
7. Uttarakhand Renewable Energy Development Agency (UREDA)
8. Uttarakhand Renewable Energy Development Agency (UREDA)
9. Central Institute of Petrochemicals Engineering and Technology (CIPET)
10. Wadia Institute of Himalayan Geology
11. Indian Institute of Remote Sensing (IIRS)
12. Central Pollution Control Board (CPCB)

## Students Placement.

1. Himani Singh Khatri MSC NRM Wildlife Institute of India 2021-22
2. Hari Prasad Gupta Perfact Envirnosolutions Pvt. Ltd. 2021-22
3. Sandeep Madhwal PhD Environmental Science IIT, Kanpur 2021-22
4. Gaurav Chamoli Mtech Environmental Technology UCOS 2021-22
5. Neha Negi MSC NRM Wildlife Institute of India 2021-22
6. Poonam Pradhan SEEDS 2021-22
7. Vineet Singh PhD Environmental Science Wildlife Institute of India Noida 2021-22

## Students Awards & Recognition

1. Ms. Deepti Ph.D. student received the INSPIRE fellowship from DST, India to pursue Ph.D. in

Doon University (2021-2026).

2. Ms Anvita Pandey was awarded Ecological research award by Ecological Society of Japan for her research paper in 2021.
3. Ms. Aastha Joshi was awarded certificate of Merit for securing First position in Online Essay Writing competition entitled "Conservation of Tropical Natural Resources held in the occasion of International day of Tropics, June 29, 2021 organised by JNU, ENVIS.

## International / National Conference/workshops Attended:

1. Singh S.B, participated in Springer Nature Experiments: How to find the protocols and methods you need for your research" organized by Springer Nature on 25th May, 2021
  2. Singh S.B, , participated in workshop entitled Principles of Computer-Aided Drug Design" organized by NIELIT, Guwahati on 28th May, 2021
  3. Singh S.B, participated in "International Conference on Plant Biodiversity and Environment Conservation (ICPBEC-2021)" from 20th-21st May, 2021
  4. Singh S.B, participated in workshop entitled "Recent and upcoming enhancements to NCBI BLAST and Primer-BLAST services" organized by NCBI (National Center for Biotechnology Information) on 7th Apr, 2021
  5. Singh S.B, participated in workshop entitled Heart Failure Conflux" organized by ICMR, HFAI and IACS India from 5th-7th Feb, 2021
  6. Singh S.B, participated in "International Webinar on Water, Energy and The Environment: Challenges and Solutions (WEE-2021)" GITAM Institute of Science, Visakhapatnam from 20th-21st Jan, 2021
1. World Environment Day 5/6/2021
  2. Desertification Day 17-06-2021
  3. Ozone Day 16-09-2021
  4. Webinar on Intellectual Property Rights 9/11/2021
  5. World Environment Day 5/6/2022
  6. Climate Talk 16-08-2022
  7. Himalayan Day 10/9/2022

## 6.2 School of Media & Communication Studies



**Vision:** The communication and media sector has grown several folds and is projected to continue growing in the coming decades. On the one hand, the industry has witnessed a virtual explosion in the process of creation and consumption of information and communication output and, on the other, an upsurge in the demand for intellectual and professional skills to face the challenges and the opportunities brought about by the transformative forces of communication revolution. The School of Media and Communication Studies at Doon University is a response to these challenges by providing a flexible academic programme to study the emerging disciplines and train students for the many exciting professional careers emerging with the convergence of technologies and communication processes.

**Mission:** The School of Media and Communication Studies will strive to produce responsible and socially accountable communication practitioners who possess both theoretical and practical knowledge relevant to the field of Media and Communication so as to serve the society at different levels.

The School offers academic programmes in media and communication which includes:-Journalism, Social and Development Communication, Advertising, Public Relations, Photography, Radio Television, Films, Animation, Graphic design, Multi-media, Media management and research. The programme curriculum is wide-ranging and interdisciplinary and carefully balances theoretical and practical information. The curriculum familiarizes students with concepts both in theory and in practice, introduce them to various streams of communication discipline, provide hands-on experience on all relevant skill areas and allow students to specialize in an area for entry-level jobs in communication and media sector. As part of its professional emphasis, the programme provides an opportunity to students to gain practical work experience through its internship placements in relevant organization, interact with leading professionals of the media and communication sector and assist students in finding suitable placements and self-employment opportunities.

## Faculty Members

Name	Designation
Dr. Rajesh Kumar, Ph.D, M.J, M.A.	Professor & Head
Dr. Harsh Pati Dobhal, Ph.D	Visiting Professor
Ms. Rashi Mishra, M.Sc. (Mass Comm in Sci & Tech), NET	Assistant Professor
Shri Nitin Kumar, M.J., NET/JRF	Assistant Professor
Ms. Karuna Sharma, M.A. (Mass Comm), NET/JRF	Assistant Professor
Ms. Juhee Prasad, M.A. (Mass Comm) NET	Assistant Professor
Ms. Aabshar Abbasi, M.A. (Mass Comm) NET	Assistant Professor
Shri Mukesh Devrari, M.A. (Communication), NET/JRF	Assistant Professor (On Contract)
Ms. Piyashi Himani, M.A. (Communication), NET	Guest Faculty

## Number of students admitted in each programme (Academic Session 2021-22)

Name of the Programme	Total seats	Number of students admitted	No. of male students	No. of female students
M.A.in Media and Communication Studies Integrated (5-Years)	50	49	21	28
M.A. in Media and Communication Studies (2 Years)	40	25	09	16
Ph.D. Media & Communication Studies	07	07	02	05

## Significant Academic Achievements of Faculty Members during 2021-22

- Dr. Rajesh Kumar and Dr. Nitin Kumar published a research paper entitled- "Discipline or Field: A Deep Dive into Multi-Disciplinarity of Media and Communication Studies" in a UGC CARE listed journal, *Communicator* published by the Indian Institute of Mass Communication (IIMC), N. Delhi.
- Dr. Harsh Pati Dobhal published a research paper entitled- "Analysis of Media Narratives on the Sino-India Conflict in Global Times" in a reputed journal, *The Indian Journal of Political Science*.
- Dr. Nitin Kumar and Dr. Rajesh Kumar published a research paper entitled- "People's Perception about News and Traditional Media in terms of Consumption Pattern, Credibility and Objectivity" in a UGC CARE listed journal, *Communicator* published by the Indian Institute of Mass Communication (IIMC), N. Delhi.
- Dr. Karuna Sharma published a research article entitled- "Construction of Childhood in Children's Cinema in India: A Critical Analysis of Four Hindi Films" in a UGC CARE listed journal, *International Journal of Social Science and Economic Research*.
- Dr. Harsh Pati Dobhal published a research paper entitled- "Chipko to Climate Change" in a reputed journal, *Himal Southasian*
- *Introduction to Film Studies*, a MOOC Course designed and developed by Ms Juhee Prasad was launched on SWAYAM platform.

## Significant activities during 2021-22

- For making the students conversant with the art and techniques of debunking fake news and information, the School organized a Workshop on "Fact Checking & Verification" on 20-21 May 2022 in Senate Hall of the University from 10.30 AM onwards. Prof. Umesh Arya, Dean, School of Media Studies, GJUST, Hisar and a Google News Initiative (GNI) certified trainer was the resource person for this workshop.



- *Fervour2022 - The MediaFest* of the School of Media & Communication Studies was organized on 13-14 June 2022. This year, the theme was “*Evolution of women in Indian Cinema*”. The fest saw many events focussed on depiction of Indian women in Indian Cinema. It displayed how the Indian women have unshackled themselves from archaic customs imposed on them.



- All India Radio, Dehradun organized a talent hunt programme on 20-21 December 2022 under *Azadi Ka Amrit Mahotsava* for selecting talents for AIRNxt Gen Prog.



## Students' Placements highlights:

Three students of the School Mr Mritunjay Panday, Udit Nautiyal and Akshay Jena were placed as Public Relations Officer in ONGC (A Maharatna Company).

## 6.3 School Of Social Sciences

### Department of Economics

The Economics Department helps students think critically about the economic issues they confront in their daily lives, and develop a commitment to be actively engaged with policy issues in local, national, and global communities. The Economics Department provides students with preparation in economic concepts and techniques. The department foresees to provide specializations in Business Economics, Environmental Economics & Core Economics.

### Faculty Members :

Name	Designation
1- Prof. R. P. Mamgain	Professor & Head
2- Ms. Sikha Ahmad	Assistant Professor
3- Dr. Madhu Bisht	Assistant Professor (On Contract)
4- Vartika Singh	Assistant Professor (On Contract)
5- Mrs. Harmindar Kukreja	Assistant Professor (Guest Faculty)
6- Dr. Rahul Saxena	Assistant Professor (Guest Faculty)
7- Vasavi Bhatt	Assistant Professor (Guest Faculty)
8- Vibha Pundir	Assistant Professor (Guest Faculty)
9- Naina Chopra	Assistant Professor (Guest Faculty)

## PAPERS PUBLISHED

- 1- **Rajendra P Mamgain** published a paper (jointly with Khalid Khan) on Declining women work participation in rural India: Trends, causes and policy implications”, The Indian Economic Journal, Vol 70, No. 2
- 2- Rajendra P Mamgain published an opinion article, “Election over, fix Uttarakhand's lopsided development, Indian Express, 12 March 2022
- 3- **Jagriti Jaiswal** published a Research paper “Social entrepreneurship and Sustainability of social enterprises participating in farm supporting activities: potential and challenges”

## ORIENTATION/WORKSHOP/CONFERENCE/SEMINARS/TRAINING

1. **Prof. Rajendra P Mamgain presented an invited paper** in 62nd Indian Society of Labour Economics Annual Conference (IIT Roorkee)
2. **Vasavi Bhatt** Participated in 62nd Indian Society of Labour Economics Annual Conference (IIT Roorkee)

## DEPARTMENTAL ACTIVITIES/ACHIEVEMENTS

- 1- Panel discussion - Towards Accelerating Sustainable Development in Uttarakhand: Achievements, Challenges and Policy Options, 8 September 2021
- 2- Panel discussion Youth in India: Challenges of Employment and Employability, 22 December 2021

### Placement

- 1- **Tanya Sharmav**- Uttarakhand Gramin Bank, Head Office, 18 New Road, Dehradun, Ph: 0135-2710660
- 2- **Prakhar Garg**- Bank of India, Dehradun Zonal Office, St. Jude's Crossing, Shimla Bypass Road, Sevla Kalan- 248171, Ph: 0135-2640050
- 3- **Hitaishi Negi** - Axis Bank

## Department of Psychology, Doon University

### About the Department

The Department of Psychology, Doon University is newly established (2018) Department, initially started with post graduate course In psychology, working as a learning center for higher education, committed to lay the foundation for the overall humanistic and professional growth and development of students. The aim of this department is harnessing the theoretical and experimental aspect of Psychology into practical application that leads them to do innovation, make creative contribution for the betterment of Society and Nation building which is free from biases and evils. This year (2021) we have started BA Honours course. In our department the learning methodologies includes converting theoretical knowledge into practical application, Internship, Quiz, Project assignments and fieldwork, which improves the Comprehensive development of the students. The department is devoted to provide training to the students to work on advance theories and to create knowledge that will help them to deal with real world issues.

The courses have been designed to develop the students for practical application of the following subject areas/fields e.g. Basic Psychological Processes, Cognitive Psychology, Biopsychology, Social Psychology, Developmental Psychology, Positive Psychology, Clinical Psychology, Organizational Developmental, Industrial Psychology, Research Methodology and Statistics. This program will help the Students for the holistic development and prepares them to aspire for higher education and to develop a bright career and make them to achieve higher-level leadership positions in the real life. Both the programs create a strong research orientation and theoretical foundation in relation with advance discipline of Psychology. It enable students to take a creative, empirical and ethical approach, which can be applied, to research and development in the various fields of Psychology. These courses provides an opportunity to extend the knowledge to promote overall development and growth of an individual, group and society. MA psychology syllabus has been revised which covers 90 % UGC NET Psychology syllabus. We have introduce a paper on Cognitive Behavioural Therapy and Behaviour Modification. Department has developed BA honour syllabus as per CBCS. Department has also developed BA & MA psychology and anthropology course structure as per NEP 2020 guideline for Uttarakhand State. The department has commenced with PhD in Psychology.

### Students' Achievements –

**Yashvi Panjrath** (Batch 2018–20) Gold medalist CGPA 9.7. Guest faculty at Department of Psychology, Doon University. Worked as Assistant Professor of Psychology at Uttaranchal University, Dehradun (2020-21). Papers Published:

- Panjra, Y & Tiwari, S (2021). “Why Them, Not Me?”: A Study Exploring The Impact Of Following Fashion Influencers on Instagram on Body Image Satisfaction of Adolescent Girls and Middle-aged Women. *International Journal of Psychosocial Rehabilitation*, 25 (2), 375-386. DOI: 10.37200/IJPR/V25I2/PR320040 (ISSN: 1475-7192 (Scopus Indexed))
- Developed Valued Added Course for Uttaranchal University's LMS: Learning Management System on Developing Emotional Competence and created e-content for the same.  
[http://staff.uttaranchaluniversity.ac.in/Web\\_Teaching/Cyborg\\_LMS\\_Content?id=Value%20Added%20Program%20|%20VAC%20Content&Mid=595](http://staff.uttaranchaluniversity.ac.in/Web_Teaching/Cyborg_LMS_Content?id=Value%20Added%20Program%20|%20VAC%20Content&Mid=595)
- Developed Valued Added Course for Uttaranchal University's LMS: Learning Management System on Stress Management and created e-content for the same.  
[http://staff.uttaranchaluniversity.ac.in/Web\\_Teaching/Cyborg\\_LMS\\_Content?id=Value%20Added%20Program%20|%20VAC%20Content&Mid=595](http://staff.uttaranchaluniversity.ac.in/Web_Teaching/Cyborg_LMS_Content?id=Value%20Added%20Program%20|%20VAC%20Content&Mid=595)

**Ayushi Padwal** (Batch MA 2018–20)

Worked as intern for a project work in IRDE, DRDO. Currently pursuing PhD from Doon University.

**Vibhuti Kaushal** (Batch MA 2018–20) Working as psychologist (contractual) in Indian Air Force Sarsawa  
Kaushal V., Tewari S (2021). A study on anxiety among school students during exam. . *International Journal of Indian Psychology*, 9 (1), 190-196.

**Bushra Khan** (Batch MA 2019–21)  
Pursuing MPhil from NIPVED Dehradun

**Akshyata Ray** (Batch 2019–21)

Ray A, Sharma S, Tiwari SK (2019). Impact of Depression on Emotional Intelligence Among Indians in Late Adolescence. *International Journal of English, Literature and Social Science (IJELS)*. Vol-4, 2, Page 1-3. ISSN: 2456-7620

Tiwari SK, Sharma S, Ray A (2020). IMPACT OF AUTHENTIC HAPPINESS ON EMOTIONAL INTELLIGENCE AMONG INDIANS IN LATE ADOLESCENCE. *The International Journal of Indian Psychology*. Page 1-9. **ISSN: 2456-7620**

Ray A & Dangwal, A (2020). Skill Building Amidst the Lockdown. *The International Journal of Indian Psychology*. Page 1-5. **ISSN: 2456-7620**

Ray A (2019). The psychological philosophy behind public baths in Indus Valley Civilisation. *The International Journal of Indian Psychology*. Page 1-3. **ISSN: 2456-7620**

Pathak, S.; Sharma S, Ray A (2020). Comparative Study of working Memory of Visually Impaired Students and Sighted Students. *International Journal of English Literature and Social Sciences*, 5(3). Page 678-680

Sharma S, Ray A & Ghosal, M. (2020). Broaden and Build Theory of Pain Association. *The International Journal of Indian Psychology*. Page 1-5.

**Shubham Sharma** (Batch 2019–21)

Pursuing PhD from Chandigarh University.

RESEARCH PAPERS PUBLISHED

'Cowcuddling!': psychotherapy to reduce stress and anxiety Authors: Shubham Sharma

Published in International Journal of Indian Psychology.  
DOI: 10.25215/0901.011

2. Broadenandbuildtheoryofpainassociation.  
Authors: Shubham Sharma, Akshyata Ray, Dr. Mnayitre Ghoshal. Published in International Journal of India Psychology.  
DOI: 10.25215/0802.015
3. Anger Issues: Comparison of anger level on the population of Urban and Rural areas.  
Authors: Shubham Sharma, Akansha Bisht.  
Published in International Journal of Innovative Research in Technology  
Unique Paper ID: 151452  
Publication Volume & Issue: Volume 8, Issue 1
4. Psychological and physiological effect in plant growth and health by using posi- tive and negative words  
Authors: Shubham Sharma, Deepika Choube.  
Published in International Journal of Innovative Research in Technology  
Unique Paper ID: 151445  
Publication Volume & Issue: Volume 8, Issue 1 Page(s): 38 - 41
5. Memorization Technique - Effectiveness and Long-lasting Improvements to a Person's Power of Recall  
Authors: Shubham Sharma,, Mrs. Shivi Pathak, Dr. Savita K. Tiwari  
Published in RUMINATIONS | Vol. 11, No. 2|JANUARY, 2021 |ISSN 2229-6751.
6. ImpactofAuthenticHappinessonEmotionalIntelligenceamongIndiansinlate adolescents.  
Authors: Dr Savita K Tiwari, Shubham Sharma, Akshyata Ray Published in International Journal of Indian Psychology.  
DOI: 10.25215/0801.078
7. ImpactofDepressiononEmotionalIntelligenceamongIndiansinLateAdoles-  
cence.  
Authors: Akshyata Ray, Shubham Sharma, Dr. Savita K Tiwari .  
Published in International Journal of English Literature and Social Sciences (IJELS). DOI: 10.22161/ijels.53.9
8. ComparativeStudyofStressamongStudentsofdifferentStreamsScienceand Arts  
Authors: Shubham Sharma1, Dr. B.P. Chamola2, Nikita Pandey3  
Published in International Journal of English Literature and Social Sciences (IJELS).  
IJELS-2021, 6(3), (ISSN: 2456-7620)
9. SocialNetworkingPersonalityOfAdolescentsAndHowItDiffersFromTheirPersonality Characteristics.  
Authors: Akshyata Ray, Mrs Shivi Pathak, Shubham Sharma. DOI: 10.25215/0802.028
10. Comparative Study of working Memory of Visually Impaired Students and Sight- ed Students.  
Authors: Mrs. Shivi Pathak, Shubham Sharma, Akshyata Ray  
Published in International Journal of English Literature and Social Sciences (IJELS). DOI:  
10.22161/ijels.53.18
11. .Study of The Relationship Between Mindfulness and Work Performance Late adolescence  
Authors: Shubham Sharma, Mrs Pratibha Badoni Tiwari, Dr. Neerja singh. Published in International Journal  
of Indian Psychology.  
DOI: 10.25215/0903.023
12. Labour occupation health.  
Authors : Shubham Sharma, Shivi Pathak. Published in book Labour migration Post covid 19 ISBN: 978-93-  
90082-41-4

**Saurav Uniyal**

Pursuing PhD from Gurukul Kangri Universit, Haridwar. Qualified UGC NET & JRF. February, 2022.

## About the faculty:

### Dr. Savita Karnatak Tewari (HOD In-charge)

- Around 16 years teaching experience in the field of Psychology.
- 15 papers presented in seminar/conferences by Dr. Savita Karnatak Tewari.
- 12 research papers published by Dr. Savita Karnatak Tewari
- 2 articles published in Edited book by Dr. Savita Karnatak Tewari
- 11 trainings/workshops attended by Dr. Savita Karnatak Tewari
- 3 trainings/workshops organised by Dr. Savita Karnatak Tewari
- 5 lectures delivered by Dr. Savita Karnatak Tewari

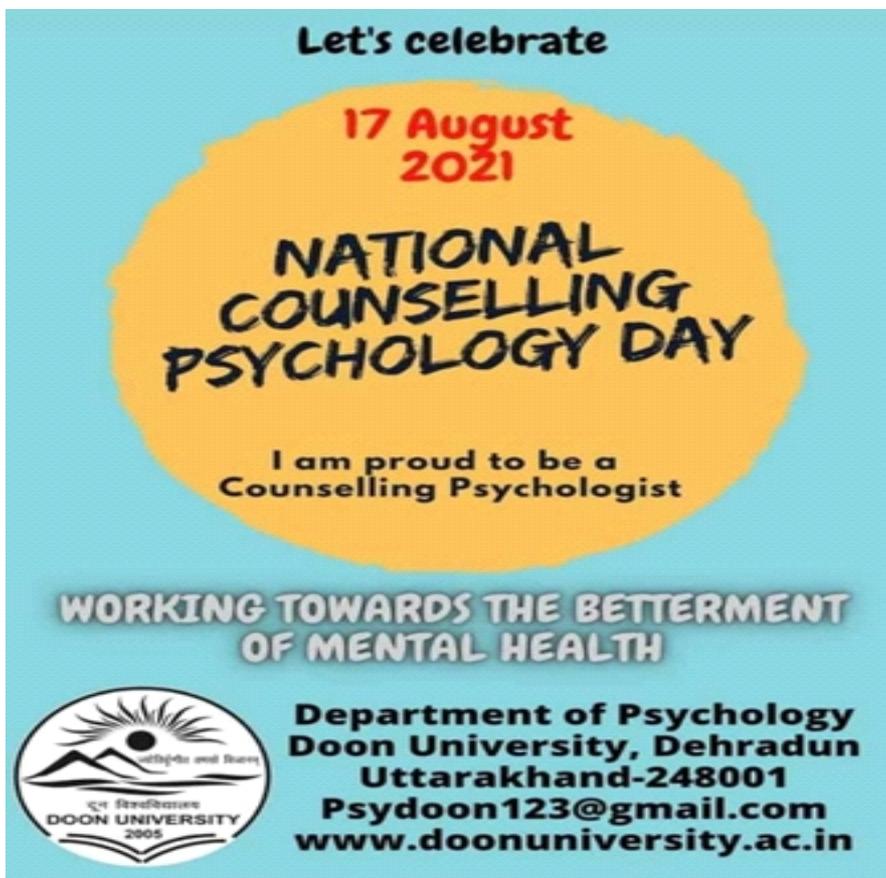
### Dr Rajesh Bhatt (Assistant Professor)

- Around 11 years teaching experience in the field of Psychology.
- 9 papers presented in seminar/conferences by Dr. Rajesh Bhatt.
- 6 research papers published by Dr. Rajesh Bhatt
- 3 articles published in Edited book by Dr. Rajesh Bhatt
- 28 trainings/workshops attended by Dr. Rajesh Bhatt
- 25 trainings/workshops organised by Dr. Rajesh Bhatt
- 14 lectures delivered by Dr. Rajesh Bhatt

## Field trips/ Departmental Activities:

- The department celebrated and organized a guest lecture on the occasion of National Counselling Day 17 August, 2021.
- Organized an online slogan and poster making competition on Mental health day 10<sup>th</sup> October, 2021
- Organized a guest lecture on Career Guidance in Mental Health by Mr. Deepak Kumar (Counselling Psychologist) on 6 November, 2021.
- The department organized an event to spread awareness on Menstrual Hygiene on 28 May, 2022.





## 6.4 School of Languages

### 6.4.1 Department of Spanish Studies, School of Languages

#### Vision:

Spanish, the language of Spain and Latin America, is one of the world's most spoken languages and also one of the world's most widespread languages. It is the official language of more than 20 countries around the world with its presence in five continents. The Department of Spanish Studies under the aegis of School of Languages provides its students a very broad perspective and understanding of the world we inhabit as Spain and Latin America that has played a very crucial role in shaping the world.

#### Mission:

The Department of Spanish Studies at the Doon University, with a very well researched and constantly updated curriculum, intends to cater to the contemporary needs of Spanish language learning. The faculty aims at incorporating the most modern techniques of teaching of language, literature and culture in order to develop a deep sense of analysis of the significant issues pertaining to Spain and Latin America by encouraging students to carry out an original research work.

### Faculty Members

S.N.	Name of Faculty	Qualification	Designation
1	Ms. Mala Shikha	Doctoral Thesis submitted in February 2018, Erasmus Mundus Masters, MA, UGC-NET	Assistant Professor
2	Ms. Swagata Basu	MPhil, MA, UGC-NET (JRF)	Assistant Professor

3	Mr. P. Kumar Mangalam	Erasmus Mundus Masters, M. Phil, MA, UGC-NET (JRF)	Assistant Professor (on Contract)
4	Ms Chiara Facciani	Erasmus Mundus Masters	Assistant Professor (on Contract)

## Events/Talks organised

  
 Department Of Spanish Studies  
 School of Languages  
 Cordially invites you to celebrate  
 *Día del Libro*  
 On 4th June, Saturday

*Cultural Events -*

*From 10am to 2pm  
at Dr. Nityanand Center*

*Presentation on Spanish Culture*

*Dance*

*Song*

*Drama*

*Stalls -*

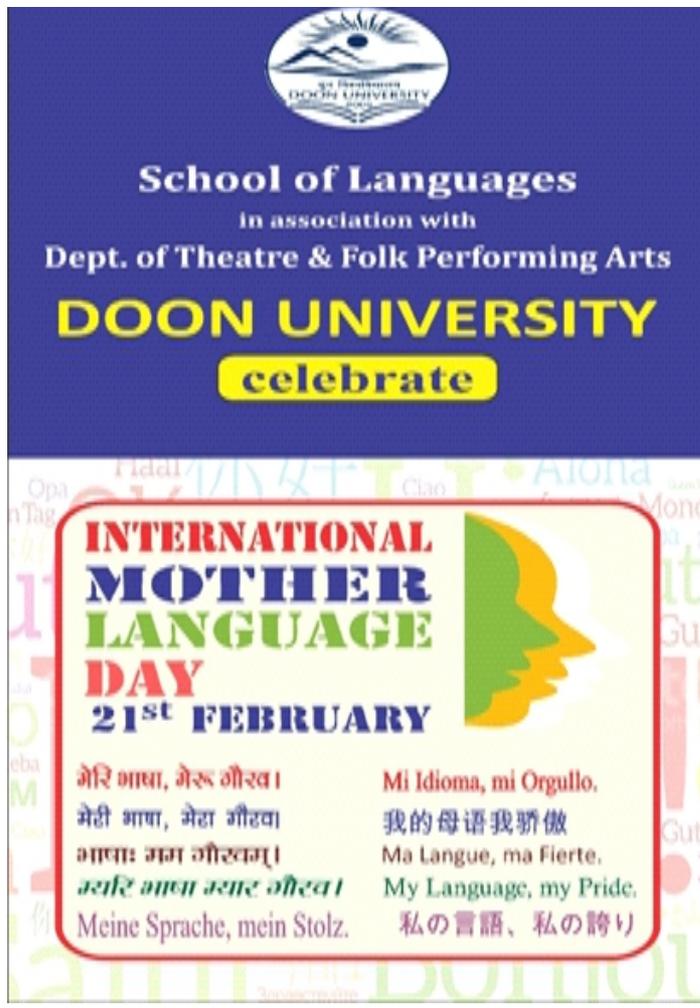
*From 4pm to 6pm  
at Lecture Hall Complex*

*Games*

*Food Stall*



1. Día del libro



1. International Mother Language Day on 2



1. Lecture on Systematic Review

Department of Spanish Studies  
School of Languages  
Doon University

**TRANSLATION  
WORKSHOP**  
by Dr. Mridula Ganguly Khanna  
(retd. from RITES, a Gol enterprise  
under the aegis of Indian  
Railways)

**DISCUSSIONS  
AND INSIGHTS  
DAY 1**  
13/09/2021 from 10 am to 11:30 am  
on Translation Theories and  
Concepts

**DAY 2**  
14/09/2021 from 10 am to 11:30 am  
on Translation in Practice

13th & 14th, SEPTEMBER  
10AM - 11:30AM

google meet link :  
<https://meet.google.com/xsg-qgbw-whw>

Made with PosterMyWall.com

4. Translation Workshop on 13/09/2021 and 14/09/2021 by Dr. Mridula Ganguly Khanna
5. SOL- Dialogue on 7.12.2021 titled “The role of Memory and Nature in the making of Citizens in the narratives of José María Arguedas” by Asst. Prof. Lipi Biswas, JNU
6. 2-Day Workshop on “Applied Linguistics with a focus on Spanish Language teaching in India” by Dr. Gaurav Kumar JNU on 23.7.2022 and 30.7.2022.

### Publications by Faculty

- Shikha, Mala and Ranjan, Ranjeeva (2021), “A Kaleidoscopic Gaze of India through Julio Barrenechea’s oeuvre”, Rupkatha Journal on Interdisciplinary Studies in Humanities, E-ISSN:0975-2935, pp.1-22
- Shikha, Mala (2022), “Multivalence and Relevance of the Myth of Don Quixote”, Scholars International Journal of Linguistics and Literature, Volume 5 (I), pp.32-37

## 6.4.2 Department of Japanese Studies, School of Languages

**Vision:** The India Japan relationship has a long history rooted in spiritual affinity and strong cultural and civilization ties. The relationship between Japan and India is described as the "Special Strategic and Global Partnership," and is blessed with the largest potential for development of any bilateral relationship anywhere in the world. The beginning of 21st century witnessed a dramatic transformation in bilateral relations between India and Japan. The latest ties and treaties between India and Japan will elevate the strategic and global partnership to an even higher level. In view of the "Indo Japan Strategic partnership", Japanese language will have an immense scope in the near future.

The scope of Japanese as a foreign language as career is bright and candidates willing to explore it have multitude of job opportunities in various multinational companies and multilateral organizations. Learning a foreign language is not only the gateway to understanding and appreciating other cultures but it also enhances career opportunities. The Department of Japanese Studies aims at a holistic program that not only offers excellent language education but also provides its students with a variety of cultural learning opportunities.

**Mission:** The Department of Japanese Studies, established in the year 2013, is committed to excellence in imparting quality education with the vision and mission to meet the emerging demand of the future professionals, researchers, and academicians in the field of Japanese Language, Literature and Culture. The five-year MA Integrated program, aims to equip the student to make a bright and rewarding career in the field of Japanese Language. The initial three-years BA (Hons) program includes basics of Japanese language, history & culture, translation, interpretation, essay & letter writing and literature enabling the students to speak, write, understand, translate & interpret Japanese language. The two years of MA program, focuses on advanced translation and interpretation to make the students proficient in Japanese language in the field of their choice of employment.

### Faculty Members:

Name	Designation
Ms. Deepika Bhatia,	HoD/ In-charge, M.A., UGC NET, Assistant Professor
Mr. Ravi Kumar,	M.Phil., UGC NET-JRF, Assistant Professor
Ms. Prachi Jain,	M.A., JNU, Guest Faculty
Ms. Abhivyakti Chandra	M.A., JNU, Guest Faculty
Mr. Abhishek Thapliyal	M.A., Doon University, Guest Faculty
Prof. Manjushree Chauhan (rtd.)	Adjunct Professor in Doon University

Name of the Program	Total number of students	No. of male	No. of Female
MA 5 year integrated	21	7	14

## Participation/ papers presentation in conference/seminar/symposium

1. Mr. Ravi Kumar presented a paper titled, "Influence of Zen in the paradoxical poems of Saint Kabir: its impact and relevance in 21<sup>st</sup> century" in two days International on "Japanese Studies in India and South Asia: A new integration" held on 3-4 February 2022 in Centre for Japanese Studies, SLL & CS, JNU, New Delhi.
2. Mr. Ravi Kumar presented a paper titled, 「沈黙、体のジェスチャーと直接体験：禅の伝え方」 in a One-day National Seminar on 「異文化コミュニケーションと日本語教育：言葉。行動」 held on March 5, 2022 in Centre for Japanese Studies, SLL & CS, JNU, New Delhi.
3. Mr. Ravi Kumar presented a paper titled, "Japanese Zen Koan and story: its relevance and spiritual significance" in a One-day National Seminar titled "Young scholars webinar on recent trends in research in Japanese studies" on 9<sup>th</sup> October 2022 in Centre for Japanese Studies, SLL & CS, JNU, New Delhi.

## Online webinars/ workshops

Ms. Deepika Bhatia

1. Invited as Moderator for 1<sup>st</sup> session of Two day International Virtual conference on "Challenges and Opportunities in Foreign language teaching and learning: Contemporary Perspectives" organized by Department of Foreign language Studies, Central University of Karnataka, Kalaburgi on 9<sup>th</sup> November 2021.
2. Rapporteur of Technical Session 2 "Skill Oriented Higher Education", in National Education Policy 2020: Implementation and Curriculum Design held at Senate Hall, Doon University on 11 & 12 October, 2021
3. Participated in Online Summer School Programme organized by UGC-HRDC Kumaun University, Nainital from 13<sup>th</sup> August to 27<sup>th</sup> August 2021
4. Participated in Online National workshop on "Digital tools in Teaching" organized by School of Social Sciences and Languages, Vellore Institute of Technology (VIT), Chennai on 30<sup>th</sup> June 2021
5. Participated in Online National workshop on "How to write a research paper" organized by School of Social Sciences and Languages, Vellore Institute of Technology (VIT), Chennai held on 22<sup>nd</sup> June 2021
6. Participated in Online National level Webinar on "Pop culture in Literature: Unlocking the secrets of life" organized by Annai Veilankanni's College for women, Chennai on 5<sup>th</sup> June, 2021.
7. Participated in Online University Distinguished lecture titled "Higher Education in India Post Covid 19" delivered by Prof Anil A Sahasrabudhe, Chairman of AICTE and special address by Shri Satish Chandra, IAS, Special Chief Secretary, Higher Education, Government of Andhra Pradesh, organized by SRM University, Andhra Pradesh in association with the India's national newspaper "The Hindu" held on 5<sup>th</sup> June 2021.
8. Participated in Online Workshop for teachers on "Unnati Rapid" organized by UGC HRDC Osmania University and Sahayam Psychological Counselling Center, Osmania University, Hyderabad held from 3-5 June, 2021

Participated in Online Faculty Induction Programme (Orientation Programme) organized by UGC-HRDC Osmania University, Hyderabad from 15<sup>th</sup> February - 16<sup>th</sup> March 2021

## Activities Organized

1. Ms Deepika Bhatia organized Online exchange program in collaboration with Shimane University, Japan, as a part of Collaborative Online International Learning (COIL) from October to December, 2021

2. Ms Deepika Bhatia organized Online Special session on "Hiroshima Day 2021" organized by the Department of Japanese Studies, School of Languages, Doon University, Dehradun, in collaboration with Doon University Academic Forum for Combating Covid-19 (DUAFCC) on 6<sup>th</sup> August 2021
3. Ms Deepika Bhatia organized Online Department level event on "Hiroshima and Nagasaki Day 2021" organized by the Department of Japanese Studies, School of Languages, Doon University, Dehradun on 9<sup>th</sup> August, 2021.
4. Ms Deepika Bhatia organized Online exchange program in collaboration with Shimane University, Japan, as a part of Collaborative Online International Learning (COIL) from April to July, 2021.

#### Workshop organized

### 6.4.3 Department of German Studies, School of Languages



**Vision:** Teaching of German in Schools and Universities in India has already completed hundred years. At present German studies is being carried out at several universities in India which is catering not only to research initiatives by the German as well as Indian governments, but also to the requirements of several German multinationals which have their strong and effective presence in India. Besides, Germany and India share a lot of linguistic and philosophical affinities. This particular background and a rare combination of so many factors pave the path for the learning of German language and study of German linguistics, literature and philosophy at Doon University. Students pursuing this field of studies get a lot of opportunities to work at multinational corporations as well as academic institutions. Our academic program thus prepares students on the one hand for pursuing higher studies and on the other hand offers a blend of academic, research as well as employable skills.

**Mission:** Department of German Studies through its outreach and teaching activities wants to create alumni of socially, culturally, academically and philosophically aware, capable and conscious professionals who would not only bring good name to their alma mater but also set examples of success and satisfaction in their respective sphere of life.

## Faculty Members

Name	Designation
Mr. Chandrika Kumar, M.A., M. Phil., NET/JRF	Assistant Professor
Mr. Alok Prasad Naithani, M.A., NET	Assistant Professor on contract
Ms. Yogita Arya, M.A.	Guest Faculty
Ms. Prashali Khanduri, M.A.	Guest Faculty

### 6.4.4 Department of Chinese Studies, School of Languages

#### Vision

The 21<sup>st</sup> century has been called as the “Asian Century” placing a lot of importance on the two Asian giants China and India. The fast growth of Chinese economy has put China in a very strong position in the international arena. In the era of globalisation, with the growth and development in Sino-Indian relations, the scope and demand of Chinese language experts is increasing every day. The craze for learning Chinese language or what is called in Chinese “中文热” that swept the country and the world in the past few decades is still burning strong. Department of Chinese Studies in Doon University is a step towards keeping in pace with the need of the times and demands of the market. With the economic boom of China and ever so growing trade relations between India and China, the need for Chinese experts is growing. Being the only Chinese language centre in the region, Department of Chinese Studies in Doon University has a tremendous potential of emerging as a leading centre of Chinese language learning in the area.

#### Mission

The Department of Chinese Studies aims to develop as one of the major centres for Chinese Studies in India. With its strategic location based in the Himalayas and the only centre for Chinese learning in the Himalayan belt, the Department of Chinese Studies aims at catering to the need of the region by producing well qualified language and China experts who are equipped with skills to answer the needs of the market.

The Department of Chinese Studies was among the first three departments to be established in School of Languages and offers a five year Integrated Masters course with focus on Chinese language, Literature, Culture and History. The course is designed to give the students a comprehensive understanding of China and to make them equipped with the language skills so as to nurture them into responsible and efficient resource.

#### List of Faculty members

1. Ms. Tanvi Negi (MA), Assistant Professor
2. Mr. Madhurendra Kumar Jha (MA), Assistant Professor
3. Dr. R. N. Sharma, Associate Professor on Contract
4. Ms Lee Peilin, Guest Faculty on Contract (Since November 2017)
5. Ms. Anukriti Bisht (MA), Guest Faculty
6. Ms. Li Tingting, Guest Faculty (Since March 2018)

### 6.4.5. Department of French and Francophone Studies, School of Languages



#### Vision:

Established in August 2014, the Department of French and Francophone Studies dwells upon the intensive teaching and learning of language, literature, culture and civilisation of France and Francophone nations through a mosaic of workshops, seminars and cultural activities.

Apart from English, French is the only other language to be spoken in all five continents (in around 51 countries). Considered the language of culture, diplomacy and international relations, the knowledge of French opens the door of employment in the world's number one tourist destination, the number three destination for foreign investment and the fifth biggest economy, France. Therefore, the Department has a vision to become a nationally and internationally recognised centre of excellence for learning, teaching, and research in French and Francophone studies. Learning French at Doon University will consequently lead to numerous opportunities to work in the following fields: translation, interpretation, international business, technology and engineering, national and international organisations and agencies, tourism and hospitality industry, diplomatic services, French research institutes, teaching, etc. Since the Department of French and Francophone Studies is the only full fledged department in the Himalayan region offering degree courses, it embodies an immense prospect to produce high-calibre professionals in French and Francophone studies, capable of effectively contributing to, and promoting national development, regional integration and international cooperation.

#### Mission:

At present, the Department offers Bachelor of Arts (hons.) (three years) and Master of Arts (two years) programmes. Along with these programmes, the Department also offers one year Certificate Course for the students, professionals and general public who aspire to learn French for professional reasons or as a hobby. The Department has incorporated the latest methodologies and approaches of teaching and learning French which efficiently enable a learner to meet professional and personal challenges in diverse scenarios. The well-researched and up-to-date curriculum contains core courses on different aspects of language learning (oral, written, comprehension, reading) and cultures of France and Francophone countries. Apart from courses on French and Francophone literatures, philosophy, cinema, theatre and art, the Department also offers a number of vocational and professional courses at B.A. and M.A. levels, such as translation and interpretation (literary, scientific, technical, commercial, judicial, confessional, etc), French for tourism and hospitality, commercial French, French for mass media and methodology of teaching French as a foreign language. Besides, the Department has collaborated with Université de Liège, Belgium to facilitate students and faculty exchange programme amongst other activities.

## Faculty Members:

Name	Designation
Ms Shubhra Kukreti, MA Erasmus Mundus, MA in French and Francophone Studies, JNU, New Delhi UGC-NET (French)	Assistant Professor
Dr Varun Dev Sharma, PhD in French and Francophone Studies, JNU, New Delhi, UGC-NET (FRENCH)	Assistant Professor
Ms Pankhuri Bhatt, MA Erasmus Mundus, MPhil in French and Francophone Studies, JNU, New Delhi, UGC-NET (FRENCH)	Guest Lecturer (July 2021-February 2022)
Mr Shashank Bahugna, MA in French and Francophone Studies, JNU, New Delhi	Guest Lecturer (July 2021-February 2022)
Ms Shivani Kumari, MA in French and Francophone Studies, MPhil, JNU, New Delhi	Guest Lecturer
Ms Akshah Nathan, MA in French and Francophone Studies, JNU, New Delhi UGC-NET (French)	Guest Lecturer

## Number of students admitted in each programme during Academic Session 2021-22 (male & female):

Name of the Programme	Total Seats	No. of Students admitted	No. of Male Students	No. of Female Students
5-Year Integrated MA (1 <sup>st</sup> Semester)	25+ 2	26	10	16
MA French (1 <sup>st</sup> Semester)	25+2	11	3	8

## Achievements:

- Dr Varun Dev Sharma was awarded the Exceptional French Teacher (North Zone) award by the Embassy of France in New Delhi, India in November 2021. He was also felicitated by the Honourable Vice Chancellor of Doon University for his achievement.
- Dr Varun Dev Sharma was awarded Erasmus + fellowship to teach in University of Liège, Belgium as Visiting Professor in June 2022.

## List of Invited Lectures:

1. Dr Christine Moliner, Faculty at Jindal School of International Affairs, JGU Haryana delivered a series of lectures at the Department of French and Francophone Studies on South Asians in France in October 2021
2. The Department conducted an online talk with Vijay Singh, an Indian writer/ filmmaker in Paris, on the confluence of Indian and French cultural aspects in his artistic production in November 2021
3. The Department had invited Prof Asha Puri from Department of French and Francophone Studies, SLL&CS, JNU to conduct lectures and workshops on Translation and Interpretation for students of MA in French.
4. Mr Akhlak Mewati, founder of Health Plus Inde, in an interaction with the students of French spoke of the growing opportunities in Medical Tourism for French language learners in June 2022.

Mr Francis Paradis from Quebec Office, Mumbai delivered an online lecture in May 2022 on the historical evolution of French language in Quebec, Canada.



## Departmental activities:

1. The Department celebrated La fete de St Nicolas in December 2021. Speech competition, Carol singing and treasure hunt were organised as a part of the celebrations.
2. The Department participated in International Mother Language Day celebrations jointly organized by School of Languages and Department of Theatre Studies in February 2022
3. The students of BA in French prepared a script in French and performed the play in International Theatre

Festival organized by Department of Theatre Studies, NityaNand Himalayan Research and Study Centre at Doon University in March 2022

4. As a part of its Francophonie Week celebrations, the Department organized a series of events, Rencontres francophones, in May and June 2022. The students staged a theatrical performance as a part of the celebrations. A talk on higher education opportunities in Belgium was also kept open to all the students of Doon University.
5. A Poem translation competition was organised for MA students in June 2022.
6. A French Food festival was held in June 2022.

### Students achievements:

1. Himanshi Mittal of MA 2nd year was awarded a scholarship for an online summer internship on Didactics by Wallonie Bruxelles International, Belgium in July 2022.
2. Lisha Arora of MA 2nd year was awarded Assistant d'anglais fellowship under the Teaching English in France programme by the French Ministry of Education to teach English to school students in France in May 2022. Ms Lisha will be working in France from September 2022 to July 2023.

### Placement record for the UG batch (2019-2022) :

Name of the student	Placement
1. Kashish Walia	Action Age, Ahmedabad
2. Sonali Bisht	Not employed
3. Kanchan Bisht	Doon International School
4. Parth Panwar	Tech Mahindra
5. Dibyanshi Baloni	Amazon
6. Satakshi Nautiyal	Continuing MA from Doon University
7. Ayush Pal	Tech Mahindra
8. Deepanshu Bhatia	INTRUST, Bangalore
9. Tanisha Bahukhandi	Amazon
10. Divyansha Rana	Speak Insta (online teaching)
11. Megha Lohani	Amazon
12. Mansi Nautiyal	InLingua, Chennai

13. Aditi Rawat	Pursuing MA from JNU
14. Neeraj Nailwal	Amazon
15. Shivansh Negi	Amazon
16. Ankush Dhaundiyal	Amazon
17. Anirudh Bahuguna	Tech Mahindra
18. Arunika Adhikari	Applied for further studies
19. Varad Agnihotri	Tech Mahindra
20. Nandini Mewar	Yet to clear her backlog
21. Sudeep Mishra	Failed
22. Ashwani Sharma	Amazon
23. Aradhana	Continuing MA from Doon University
24. Ayush Rauthan	Continuing MA from Doon University
25. Ekta Batra	MA from JNU
26. Varun Kumar Thapa	Amazon

Placement record for the PG batch (2020-2022):

Name of the student	Placement
1. Shweta Joshi	Pursuing a diploma in Interpretation from Alliance Française, Delhi
2. Himanshi Mittal	Preparing for competitive exams
3. Pratiksha	The Tonsbridge School, Premnagar
4. Neelma Misra	Guest Faculty, Doon University
5. Lisha Arora	Assistant d'anglais , France

## 6.4.6. Department of English Studies, School of Languages

### Preamble:

The Department of English, established in 2014, is part of the University's multi-faceted School of Languages, offering a two-year Masters program. The Department takes great pride in offering a syllabus which is thoroughly researched, meticulously planned and constantly updated. It aims at developing a competitive and keen academic environment that helps nurture every student individually, instilling the confidence to achieve her/his best, while keeping abreast of the latest national and international developments in literature and theory.

### Profile of the Department:

The Department prides its intensive classroom teaching, with an excellent student-teacher ratio and seeks to organize seminars, conferences, workshops, and symposia on a regular basis. The teachers, actively involved in research and publication, mentor students towards developing a keen edge in issues and theories of contemporary significance. The Department is also associated with inter-disciplinary intellectual activities with other language departments within the School of Languages as well as the University at large. Academic support is drawn from other prestigious institutions such as Jawaharlal Nehru University, University of Delhi, Jamia Millia Islamia, New Delhi; H.N.B. Garhwal University, Srinagar and Gurukul Kangri University, Haridwar and Center for Contemporary Theory, Baroda with leading academics from such institutions regularly visiting to take part in Advisory Committee meetings along with acting as guest/adjunct faculty—conducting workshops, lectures and talks for students.

### Vision and Mission Statement:

We aspire to work towards achieving the status of being a Centre of Excellence in times to come. The Department seeks to conduct research and development in various spheres of English Literature, language and Culture Studies. Thrust areas include conducting original research and evolving foundational theory in Indian Writing in English along with a study of writings from Uttarakhand and adjoining areas translated into English.

### Faculty Members:

Name	Designation
Dr Chetana Pokhriyal, Ph.D., CCS University, Meerut	Associate Professor & Head
Dr. Richa Joshi Pandey, Ph.D., H.N.B. Garhwal University	Assistant Professor
Dr Manjulika Gogoi, Ph.D., H.N.B. Garhwal University	Assistant Professor (Guest Faculty)
Ms Aditi Bist, MA, PU.	Assistant Professor (Guest Faculty)
Ms Gazala Khan, Ph.D., Kumaon University	Assistant Professor (Guest Faculty)

## Papers Presented/ Published & Seminars Attended: -

1. Dr Richa Joshi Pandey presented a talk on “Overview and introduction of themes” on 6.12.21 and presented a research paper on (On Invitation from Room to Read) “Children's Literature and posthumanism (exploring children's relationship with the natural world) ” on 7.12.21 during the event “Children's Literature: Contemporary perspectives(A week-long workshop by Room to Read in association with Doon University” convened by me and organized jointly by Room to read, India and Department of English, Doon University from 6-11 December, 2021.
2. On invitation as a resource person, Dr Richa Joshi Pandey delivered a lecture entitled “The theme of Fate in the *Mahabharata*” on 31.05.22 during the National Webinar on Mahabharata: The Epic and the Nation organized by the Departments of English and Sanskrit, Shri Bhagwandas Adarsh Sanskrit Mahavidyalaya, Haridwar. Also, on invitation, chaired an academic session on 30.05.22 during the Webinar.
3. Aditi Bist, Use of Chronotope as a Narrative Feature by Patrick Modiano in *The Black Notebook*, *Journal of Interdisciplinary Cycle Research*, 121-124 , Vol VIII, August 2021.
4. Aditi Bist, Capturing The Past in The Need for Creating The Present in The Works of Patrick Modiano and Mona Verma, *Journal of Interdisciplinary Cycle Research*, 229-234, Vol XI, November 2021
5. Aditi Bist, Paris as a Sign in *Dora Bruder* by Patrick Modiano, *Journal of Interdisciplinary Cycle Research*, 1327-1331, Vol XIV April 2022.
6. Aditi Bist, Dr. Hemalatha K, Understanding Cultural Poetics in Pedigree, *Bhava Veena*, pg 70 Vol 19, October 2022

## Program/Training Attended:

Ms Aditi Bist participated in the UGC Sponsored Refresher Course organized by Kumaon University, Nainital on the subject, Indian Literature and Languages from 30th August 2022 to 12th September

## List of Invited Lectures

1. Lecture with Dr. Tulika Chandra:

Department of English organized a lecture on Indian economy with Dr. Tulika Chandra, Assistant Professor, Department of Economics, MKP College, Dehradun on 29<sup>th</sup> November, 2021. The event was conducted to help the students have a better understanding of economics in the context of our day-to-day life. The event was conducted in the presence of Head of the Department, School of Languages, Dr. Chetana Pokhriyal.



2. Lecture with Mrs. Kamna Chandra:

The Department of English organized an interaction with renowned celebrity and prominent film writer, Mrs. Kamna Chandra on 23/04/22. The interaction focused on the understanding of writing skills and cinema. Mrs. Chandra also spoke on the importance of work-life balance drawing from her personal experiences. The event was attended by students of the department along with the faculties.



3. Lecture with Prof. Prabha Pant

Department of English organized a lecture on Research Methodology with Prof. Prabha Pant, Professor (Retired) HNB Garhwal University (Tehri Campus), on 5/05/22. The event was conducted to help the Pre-PhD students have a better understanding of the methodological advancement in field of Literary research. The event was conducted in the august presence of Head of the Department, School of Languages, Dr. Chetana Pokhriyal.



4. Lecture with Prof. Arun Pant

Department of English organized a Lecture on “Research Ethics and its Importance” by Prof. Arun Pant, Professor (retired), HNB Garhwal University, on 9/05/22. The event stressed on the need to create an original work and the ways to avoid plagiarism. The lecture was attended by scholars and students of the Department.



## Departmental Activities

### 1. Face-a-Book Reading Challenge:

Elysian: The Literary Society of the Department of English in collaboration with the Central Library of Doon University and Jan Uday Foundation organized a reading challenge between 16<sup>th</sup> to 19<sup>th</sup> November 2022. The event was judged by Dr Richa Joshi Pandey, Dr Ujjwal Kumar and Dr Gazala Khan, and Mr Kunwar Japinder Singh, State President of Jan Uday Foundation. The event was attended by Prof H C Purohit and Dr Udita Negi.



2. Mother Language Day:

Doon University and Bhartiya Shiksha Mandal organized International Mother Language Day on 21/02/2022. The event focused on the need to cultivate the traditional understanding and emphasized on the rich linguistic diversity of our nation. Students were made aware of the cultural heritage and traditional knowledge of Uttarakhand that was often blurred under the dominant discourse. The event was attended by Vice Chancellor, Prof. Surekha Dangwal, Mr. Kumar Ratanam and Prof. Chetana Pokhriyal.

3. PhD Initiation Programme:

Department of English, Doon University organized a PhD induction program for its first batch of Research Scholars on 22/02/22. The event started with a warm welcome by Head of the Department, Dr. Chetana Pokhriyal. The event was graced by Vice Chancellor, Prof. Surekha Dangwal who in her keynote address stressed on the need to focus on newer research areas and the need to cultivate right mindset while researching. The event was attended Dr. Richa Joshi Pandey, Dr. Gazala Khan, Dr. Manjulika Gogoi and Mrs. Aditi Bisht.



Newspaper Clipping from Garhwal Post

4. Women's Day Celebration:

The event was organized on 8/03/2022 with an aim to felicitate the frontline workers, particularly women who had shown immense dedication and compassion during the pandemic. The Frontline workers were appreciated with motivating words and a small token of appreciation.





Newspaper clipping from Dainik Jagran

5. Theatre Workshop:

The School of Languages, Doon University and The Department of Performing Arts successfully organized a 21 Day Theatre Workshop. The students were trained under the continuous guidance of Dr. Rakesh Bhatt, Dr. Ajeet Panwar and Dr. Chetana Pokhriyal. The interdisciplinary participation by students spoke volumes about the success of the event. The event concluded with a bunch of plays performed by the students. The event was conducted in the august presence of Vice Chancellor, Prof. Surekha Dangwal, Prof. H.C Purohit, Mr. Satish Budhakoti and esteemed theatre personality, Mr. Yogesh Dashmana.





Newspaper Clipping from Garhwal Post

6. Lecture Series on Research Ethics and Publication with Prof. Ashish Kumar

Department of English organized a Lecture series on “Research Publication and Ethics” with Prof. Ashish Kumar, Chief Librarian, Doon University starting from 6/04/22. The Wednesday lecture series was grand success with the participation of students, research scholars and faculty from around the university.





10. Book Reading Session

A book reading and reviewing session was conducted in the month of May, amongst students, scholars, and faculties of the Department. The books read during the session were provided by VOW (Valley of Words) with an intention to award the writers for their exemplary literary prowess. *The Odd Book of Baby Names* by Anees Salim, reviewed by Ms Raina Singh won the first prize.

11. Children Literature and NEP in context of Foundational Literacy

A panel discussion highlighting the role of children literature in education was held. A booklet containing the views of eminent academicians and writers of children's literature titled, “Bunyaadi Siksha aur Baal Sahitya” was launched. An exhibition of children's books by the NBT was also organized.



## Student(s) achievements:

1. Ms Raina Singh, Research Scholar, Batch of 2021, and erstwhile student of MA English, batch of 2017-2019, presented a paper titled “The Smoke of Cigarettes or Torches of Freedom? Investigating the Construction of Smoking as a Means of Emancipation for Young Indian Women” in International Conference “Bhartiya Women: A True Perspective” organised by Doon University and SNDT Women's University, Mumbai. 25-26<sup>th</sup> November 2022. The paper got published in India Policy Foundation.
2. Ms Akanksha Barthwal, Research Scholar, Batch of 2021, and erstwhile student of MA English, Batch of 2016-2018, presented a paper titled “A discussion on Female anatomy through Medical Humanities in Selected works of Mahasweta Devi and Mahesh Dattani” in International Conference “Bhartiya Women: A True Perspective” organised by Doon University and SNDT Women's University, Mumbai. 25-26<sup>th</sup> November 2022. The paper got published in India Policy Foundation.
3. Mr Ayush V Kurian, Research Scholar, Batch of 2021, presented a paper titled “The Reflection of Bhartiya Woman in Narayan's *Kocharethi*: A Study on Malayaraya Women” in International Conference “Bhartiya Women: A True Perspective” organised by Doon University and SNDT Women's University, Mumbai. 25-26<sup>th</sup> November 2022. The paper got published in India Policy Foundation.
4. Ms Srishti Raturi, student of MA English, batch of 2016-2018 presented a paper titled “Illness Narratives: Women, Health and Society” in International Conference “Bhartiya Women: A True Perspective” organised by Doon University and SNDT Women's University, Mumbai. 25-26<sup>th</sup> November 2022. The paper got published in India Policy Foundation.
5. Ms Raina Singh student of MA English, batch of 2017-2019 published a paper titled “The Role of Folk Songs and Pop Rock of the Indian Film Industry in the Formation of Narratives”. Shodhsamhita. 2021
6. Ms Raina Singh student of MA English, batch of 2017-2019 published a paper titled “Looking-Glass Signifier in Carroll's *Through the Looking-Glass*”. *Kala Sarovar*. 2021
7. Ms Raina Singh student of MA English, batch of 2017-2019, presented a paper titled “Investigating the Impact of Beef Ban on the Dairy Farming Industry in India” in Symposium organized by Department of English, Aligarh Muslim University. 26-27<sup>th</sup> November 2022.
8. Ms Akanksha Barthwal, Research Scholar, Batch of 2021, and erstwhile student of MA English, Batch of 2016-2018 presented a paper titled “Reading Bapsi Sidhwa's *Ice Candy Man* through the Foucaudian lens of Biopolitics and Sexuality. in Symposium organized by Department of English, Aligarh Muslim University. 26-27<sup>th</sup> November 2022.
9. Ms Raina Singh student of MA English, batch of 2017-2019 received “Outstanding Research Award” issued in recognition of outstanding contribution to research at Graphic Era (Deemed to be University) for the year 2019-2020 on the occasion of Teachers' Day
10. Shikha Dabas student of MA English, Batch of 2016-2018 published a paper titled “Demystifying the Image of Eunuchs: A Study of Indrani Majumdar's “The Paradox of Vantage Point”.
11. Shubham Joshi, student of MA English, Batch of 2017-2019 published a paper titled “A Gender Study of Franz Kafka and His Work *The Metamorphosis*”. Contemporary Literary Review India: Vol 8 No 2: CLRI May 2021
12. Shubham Joshi, student of MA English, Batch of 2017-2019 published a paper titled “A Study of the Influence of English Romanticism and Indian Philosophy on Henry David Thoreau and His Work *Walden*”, Contemporary Literary Review India: Vol 9 No 1: CLRI February 2022.

13. Shubham Joshi, student of MA English, Batch of 2017-2019 published a paper titled “The Subjection of Women' in 'A Doll's House'”, Contemporary Literary Review India: Vol 9 No 2: CLRI May 2022.
14. Ms Akanksha Barthwal, Ms Raina Singh, Mr Ayush V Kurian and Mr Shabeer Ahmad Shah, Kritika Tiwari, Anurag Tamoli, Ritika Chaturvedi, Khushi Yadav, Ahana Srivastav, Khushi Yadav, Srishti Raturi(alumna) participated in 21 Days Theatre Workshop, International Languages Theatre Festival, Department of Theatre and Folk Performing Arts and School of Languages, Doon University, Dehradun, March 2022
15. Ms Raina Singh, Ms Akanksha Barthwal, Mr Anurag Tamoli, Kritika Tiwari, Ms Khushi Yadav participated as History Master, Physics Master 1, Physics Master 2, English Master and Wasserkopf in the Play *Refund* in International Languages Theatre Festival, Department of Theatre and Folk Performing Arts and School of Languages, Doon University, Dehradun, March 2022
16. Ms Raina Singh and Ms Akanksha Barthwal, Research Scholars in English department, and Ms Srishti Raturi, alumna of MA English Batch of 2016-2018, participated as Fairies in the Play *Andhon Ka Haathi* in International Languages Theatre Festival, Department of Theatre and Folk Performing Arts and School of Languages, Doon University, Dehradun, March 2022

## Alumni of Department of English who have cleared JRF/NET/USET

### Name of Students Who Qualified NET:

1. Raina Singh (2022)
2. Radhika Dhasmana (2022)

### 3. *Students' Placements*

Sr. No	Name	Year	Name of Organization	Designation
1	Srishti Raturi	MA English	Dehradun World School	PGT, English
2	Srishti Raturi	MA English	Career Launcher	Associate Consultant, Digital Marketing
3	Shubham Joshi	M.A English	Dev Bhoomi Institute of Technology	Assistant Prof.
4	Afreen Ansari	M.A English	Purkal Youth Development Society_Learning Academy	Teacher, English
5	Urvashi	M.A English	Azim Premji Foundation	Resources Person
6	Shougrakpam Taibangnanba Meitei	M.A English	Yairipok Universal College	Assistant Prof.
7	Shikha Kothari	M.A English	Kukreja Institute	Placements Trainer
8	Sonali Singh	MA English	Apple	Associate, US Sales

## 6.5 School of Management

### Vision

With a passion for academic excellence and uncompromising human values the School of Management aims at improving the quality of life in organisations and society. In consonance with the vision, SoM strives to offer an education which is not just leading to a degree, but one that makes students capable of responding to the needs of the organizations and society. The school aims to create a unique and futuristic space of global reckoning so as to nurture the finest management thinkers in the pursuit of developing innovative, socially responsible and environmentally friendly practitioners, leaders and educators. The School strives to accomplish the vision by (a) learner-centric pedagogy – knowledge and skills (b) value based growth (c) synergy between intellectual development and efficiency in a competitive environment.

Visualizing the industrial needs of the 21st century, the School offers 2 year MBA and 5 Year Integrated MBA programme. Case Discussion, Management Games, Role playing exercises, organization development interventions are the regular inputs given to the students along with theoretical aspects to shape them into better managers of tomorrow. The School has a highly qualified and well-experienced faculty in the major functional areas of management.

The students and the faculty of the school have access to a huge collection of books and nearly 30 national and international journals pertaining to Management discipline in the library. The School is equipped with Computer Laboratory and the latest statistical software like SPSS. Virtual Classroom facility is planned to be accessible to students to interact with eminent experts and management professionals.

### Profile of Management Faculty Members

<b>Name &amp; Qualifications</b>	<b>Designation</b>
Prof. H.C. Purohit Ph.D, Marketing	Professor Head of the Department
Dr. Gajendra Singh Ph.D, Marketing	Associate Professor
Dr. Reena Singh Ph.D. Human Resource Management	Associate Professor
Dr. Sudhanshu Joshi Ph.D., Supply Chain Management	Assistant Professor
Dr. Ashish Sinha Ph.D, Human Resource Management	Assistant Professor
Dr. Prachi Pathak Ph.D., Human Resource Management	Assistant Professor
Mr. S.K. Dadar MBA, UGC NET	Associate Professor (on contract)

Dr. Vaishali Ph.D., Finance	Assistant Professor
Dr. Smita Tripathi Ph.D., Finance	Assistant Professor



## Research Output of the School

Thrust areas of research at the School are Workplace Spirituality, Emotional Intelligence, Entrepreneurial Strategies and Cross Culture Relationship, Supply Chain Management, Sustainable Performance, Green Marketing, Resonant Leadership, Organisational Schizophrenia and Financial Inclusion.



### 1.1.2 Industry-Academia Interface and Corporate Linkages

School of Management has a strong linkage with industry experts from BHEL, ONGC, Asian Paints, Reliance Industries, Big Bazar, LBF Travels and Lenskart.



## Significant Achievements of the Faculty Members

### **Prof. H. C. Purohit**

#### Paper Publications:

1. Shraddha Jain and Prof H C Purohit, “Consumer Acceptance of Online Behavioural Advertising: Role of Persuasion Knowledge and Protection Motivation”, Journal of International Management Review, Vol. 18, No. 2, 2022.
2. Ankita Mandoliya and Prof H.C Purohit, “Examining the Role of Demographic Variables on Consumer Ethnocentrism, Product Judgement and Willingness to buy”, Nice Journal of Business, Vol-17, January – June, 2022
3. Prof.H.C Purohit, Deepali Tomar, Kumar Arijit, Vivek Dabral, “Regression Analysis of the Court Complains in the District Consumer Forums of Uttarakhand, India”, Delhi Business Review, Vol. 23, January to June 2022.
4. Ankita Mandoliya and Prof H.C Purohit, “Impact of Consumer Animosity and Consumer Ethnocentrism on Consumer Buying Behaviour: A Study of Chinese Mobile”, The International journal of Analytical and Experimental Modal Analysis, Vol-XIII, Issue VI, June, 2021.
5. Kumar Arijit, H.C Purohit, and Aishwarya Pratap Singh, “Redressal System and Future Complaining Intention: A Study of Consumers forums of Uttarakhand”, Indian Management Studies Journal, Vol 25, No 2, October 2021.
6. Priyank Kumar Singh and Prof. H C Purohit, “Measurement and Test of Service Quality Gap Model in the Airline Industry:A Quantitative Investigation of Selected Airline Companies”, Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 10, October 2021: 620-630
7. Surabhi Dhar and H. C Purohit, “Effect of Subliminal Advertising on Consumer Buying Decision: A Study of Online Buyers from Delhi and Dehradun”, Nice Journal of Business, Vol-16, January – December 2021.
8. H.C Purohit, and Aishwarya Pratap Singh, “Measuring Purchase Intention for Organic Food: An Application of Theory of Planned Behavior”, Indian Journal of Commerce, vol -17, July September, 2021.

### Book Chapters:

1. Kuljeet Kaur and H. C Purohit, “Study on Establishment of Micro Small and Medium Enterprises (MSMEs) Uttarakhand”, Edited book on 'Changing Paradigms in Business and Technology', published by Shree Publishers & Distributors, New Delhi, 2021.

## Conference and Seminars:

1. Participated in one day National Symposium on “Accreditation Framework and Role of IQAC in Quality Initiative” Organized by Internal Quality Assurance Cell, Dev Bhoomi Uttarakhand University on 9 April, 2022.
2. Attended and presented a paper entitled “Understanding Attitude and Avoidance Behaviour to Words Online Behavioural Advertisement” at 19 th AIMS and fourth Jaipuria International Conference on Management during January 7-9, 2022.

## International Conferences:

1. Participated in the Third National Conference on “Global Initiative in Agricultural Policy and Applied Sciences for Food Security, Environmental Safety and Sustainable Development” at Sri Guru Ram Rai University, Dehradun, Uttarakhand, 17-18 October 2021.
2. Delivered Chief Guest address in a National seminar on 'Industry 4.0 & Society 5.0- A Journey from Industrial Revolution to Societal Eminence', organized by the Department of Management Sciences, MGCU, Motihari (Bihar) on 28 th August 2022.
3. Delivered inaugural Keynote address in a National seminar on 'Women and Atamnirbhar Bharat' on 26 th August 2022, organized by RC Uniyal Govt. PG College Uttarkashi, sponsored by ICSSR, New Delhi, from 26 th to 27 th August 2022.
4. Resource person at National Workshop on “Research Methods and Data Analytics using AMOS”, organized by School of Management, Doon University, Dehradun, 25 th -30 th April, 2022.
5. Delivered a lecture on, “Methods and Basic Scientific Research” at National Workshop on Research Methodology organized by Department of Political Science, Govt. V.Y.T PG Autonomous College, Durg, Chhattisgarh on 24 th May 2021

## Chaired/Key note delivered in International/ National Seminar:

1. Chaired Technical session in the, “HSB 13 th Annual National Conference on Business and Management” organized by Haryana School of Business, Guru jambheshwar University of Science and Technology, Hisar, 11 th -12 th February 2021.
2. Resource person in “Refresher Course in Commerce and Management” held at UGC, HRDC Pandit Ravishankar Shukla University, Raipur, 11 th -25 th November 2021.
3. Session convener at Professional Advancement programme on “the left right and centre in screening of patent what it takes to draft the claim” organized by Research and Innovation Cell, Doon University, Dehradun in collaboration with Bankar Consulting Services, 26 th -27 th November 2021.
4. Delivered invited lecture in the AICTE ATAL Advance Faculty Development Program on “Academic Leadership” organized by Faculty of Engineering & Technology, Gurukul Kangri Deemed to be University, Haridwar from 19 th September to 30 th September, 2022.
5. Session Chair for Manubhai M Shah Memorial Research Award Session at 73 rd All India Commerce Conference 2022 organized by Dr. Babasaheb Ambedkar Marathawada University, Aurangabad, Maharashtra to be held on 22 nd , 23 rd and 24 th December, 2022.

## Awards and Recognition:

1. Dean of the Year Award-2022 by Chief Minister of Uttarakhand, 05 September, 2022.
2. Second prize in Best Paper Presentation Award for the research paper entitled “Profitability of Indian Banks : Trend Analysis during Covid and Pre-Covid Period” in the 3rd National Conference of AIAA, Bhopal Chapter organized by the Department of Commerce, Institute for Excellence in Higher Education, Bhopal on 28th January, 2022. on “ Research Methodology Course for PhD Scholars in Social Sciences” sponsored by ICSSR, New Delhi( 2018 and 2019).

### Dr. Gajendra Singh

1. **International conference on Sustainable Finance, Economics & Accounting in the Pre and Post Pandemic Era** at IIM Jammu on July 30-31, 2021 entitled “The Sustainable Efficacy of climate change on Tourism Industry.
2. **International Conference, 12<sup>th</sup> Edition on Excellence in Research and Education (CERE)**, held from 03<sup>rd</sup> to 5<sup>th</sup> June 2022, in **IIM Indore**, entitled, “ **Entrepreneurial Behavioural Competencies in Emergence of Small & Medium Enterprises.**”

### Dr. Reena Singh

**Attend a national conference on Employment and skill development in india, perspectives and Approaches on 29 March 2019**

**Attend a National Conference on the New Normal-Recent trends in Business and Management on 27-28 May 2022 organised by faculty of Commerce and Management, Kalinga University, Raipur**

conducted training programme on “Self-Awareness” for Senior Managers in BHEL Haridwar in 2021.

**Dr. Ashish Sinha** has conducted training programme on “Mapping Leadership Skills” for middle level managers in BHEL Haridwar during October 11-12, 2021.

### Dr. Sudhanshu Joshi

## Research paper Published [2021-22]

- [1] S. Joshi, M. Sharma, and P. Chatterjee, “Omni-Channel retailing enhancing unified experience amidst pandemic: An emerging market perspective,” *Decis. Mak. Appl. Manag. Eng.*, 2022.
- [2] M. Sharma, S. Luthra, S. Joshi, and A. Kumar, “Green logistics Driven Circular Practices Adoption in Industry 4.0 Era: A Moderating Effect of Institution Pressure and Supply Chain Flexibility,” *J. Clean. Prod.*, 2022.
- [3] M. Sharma, S. Joshi, S. Luthra, and A. Kumar, “Impact of digital assistant attributes on millennials' purchasing intentions: a multi-group analysis using PLS-SEM, artificial neural network and fsQCA,” *Inf. Syst. Front.*, pp. 1–24, 2022.
- [4] S. Joshi *et al.*, “Modeling conceptual framework for implementing barriers of AI in Public healthcare for improving operational excellence: experiences from developing countries,” *Sustainability*, 2022.
- [5] S. Joshi, M. Sharma, P. M. Batwal Shalini, and T. Joshi, “Critical challenges of integrating OPEX Strategies with I4.0 technologies in Manufacturing SMEs: A few pieces of evidence from developing economies,” *TQM J.*, 2022.
- [6] M. Sharma, A. Kumar, S. Luthra, S. Joshi, and A. Upadhyay, “The impact of environmental dynamism

- on low-carbon practices and digital supply chain networks to enhance sustainable performance: An empirical analysis,” *Bus. Strateg. Environ.*, vol. 31, no. 4, pp. 1776 – 1788, 2022, doi: 10.1002/bse.2983.
- [7] S. Joshi and M. Sharma, “A literature survey on vaccine supply chain management amidst COVID-19: literature developments, future directions and open challenges for public health,” *World*, 2022.
- [8] B. P. \& J. S. Verma V., “Sustainable Supply chain Systems of Food and Beverages SMEs in developing countries: Theoretical perspective.,” *J. Decis. Anal. Intell. Comput.*, vol. 2, no. 1, pp. 36–52, 2022.
- [9] I. Alsolbi *et al.*, “Different Approaches of Bibliometric Analysis for Data Analytics Applications in Nonprofits,” *J. Smart Environ. Green Comput.*, 2022.
- [10] V. Verma, P. Bisht, and S. Joshi, “Sustainable Supply chain Systems of Food and Beverages SMEs: Analyzing sustainable performance using Structured Equation Modeling,” *J. Decis. Anal. Intell. Comput.*, vol. 2, no. 1, pp. 53–68, 2022.
- [11] S. Joshi *et al.*, “Assessing effectiveness of humanitarian activities against COVID-19 disruption: the role of blockchain-enabled digital humanitarian network (BT-DHN),” *Sustainability*, vol. 14, no. 3, p. 1904, 2022.
- [12] S. Joshi, M. Sharma, and A. Barve, “Implementation Challenges of Blockchain technology in Closed loop supply chain: A Waste Electrical and Electronic Equipment (WEEE) Management perspective in developing countries,” 2022.
- [13] M. Sharma, S. Luthra, S. Joshi, and A. Kumar, “Developing a framework for enhancing survivability of sustainable supply chains during and post-COVID-19 pandemic,” *Int. J. Logist. Res. Appl.*, vol. 25, no. 4–5, pp. 433–453, 2022.
- [14] B. Unhelkar, S. Joshi, M. Sharma, S. Prakash, A. K. Mani, and M. Prasad, “Enhancing Supply Chain Performance using RFID Technology and Decision Support Systems in the Industry 4.0 - A Systematic Literature Review,” *Int. J. Inf. Manag. Data Insights*, 2022.
- [15] A. Kumar, S. JOSHI, M. Sharma, and N. Vishvakarma, “Digital Humanitarianism and Crisis Management: An empirical study of antecedents and consequences,” *J. Humanit. Logist. Supply Chain Manag.*, 2022.
- [16] S. Joshi and M. Sharma, “Prolonging retailer-supplier relationship: a study of retail firms during COVID-19 pandemic,” *Int. J. Logist. Econ. Glob.*, vol. 9, no. 3, pp. 223–247, 2022.
- [17] S. Joshi and M. Sharma, “Impact of sustainable supply chain management on performance of SMEs amidst COVID-19 pandemic: an Indian perspective,” *Int. J. Logist. Econ. Glob.*, vol. 9, no. 3, pp. 248–276, 2022.
- [18] M. Sharma, S. Joshi, S. Luthra, and A. Kumar, “Analysing the Impact of Sustainable Human Resource Management Practices and Industry 4.0 Technologies Adoption on Employability Skills,” *Int. J. Manpow.*, 2022.
- [19] M. Sharma, S. Luthra, and S. Joshi, “Challenges to Agile Project Management during COVID-19 pandemic: An emerging economy perspective,” *Oper. Manag. Res.*, 2022.
- [20] S. Luthra, M. Sharma, A. Kumar, S. Joshi, E. Collins, and S. Mangla, “Overcoming barriers to cross-sector collaboration in circular supply chain management: a multi-method approach,” *Transp. Res. Part E Logist. Transp. Rev.*, vol. 157, p. 102582, 2022.
- [21] S. Joshi, “The Impact of Environment Dynamism on Low-Carbon Practices and Digital Supply Chain Networks to Enhance Sustainable Performance: An Empirical Analysis,” *Bus. Strateg. Environ.*, 2021.
- [22] S. Joshi and M. Sharma, “Impact of sustainable Supply Chain Management on the Performance of SMEs amidst COVID-19 Pandemic: An Indian Perspective,” *Int. J. Logist. Econ. Glob.*, 2021.

- [23] M. Sharma and S. Joshi, "Barriers to Blockchain Adoption in healthcare industry: An Indian perspective.," *J. Glob. Oper. Strateg. sourcing.*, 2021.
- [24] M. Sharma, S. Joshi, and V. K. Singh, "ERP Implementation Barriers," in *Digitising Enterprise*, CRC Press, 2021, pp. 153–159.
- [25] M. Sharma, S. Joshi, and K. Govindan, "Issues and solutions of electronic waste urban mining for circular economy transition: An Indian context," *J. Environ. Manage.*, vol. 290, p. 112373, 2021, doi: <https://doi.org/10.1016/j.jenvman.2021.112373>.
- [26] M. Sharma, S. Luthra, S. Joshi, and A. Kumar, "Implementing challenges of artificial intelligence: Evidence from public manufacturing sector of an emerging economy," *Gov. Inf. Q.*, p. 101624, 2021, doi: <https://doi.org/10.1016/j.giq.2021.101624>.
- [27] S. Joshi, M. Sharma, P. Bisht, and S. Singh, "Explaining the factors influencing consumer perception, adoption readiness and Perceived usefulness towards digital transactions: online retailing experience of Millennials in India," *J. Oper. Strateg. Plan.*, 2021.
- [28] S. Joshi and M. Sharma, "Prolonging retailer-supplier relationship: A study of retail firms during pandemic COVID-19," *Int. J. Logist. Econ. Glob.*, 2021.
- [29] S. Joshi and M. Sharma, "Digital technologies (DT) adoption in agri-food supply chains amidst COVID-19: an approach towards food security concerns in developing countries," *J. Glob. Oper. Strateg. Sourc.*, 2021.
- [30] M. Sharma, S. Luthra, S. Joshi, and A. Kumar, "Accelerating retail supply chain performance against pandemic disruption: adopting resilient strategies to mitigate the long-term effects," *J. Enterp. Inf. Manag.*, 2021.
- [31] A. Trivedi, A. Sohal, S. Joshi, and M. Sharma, "A two-stage optimization model for tactical planning in fresh fruit supply chains: A case study of Kullu, India," *Int. J. Supply Oper. Manag.*, vol. 8, no. 1, pp. 18–28, 2021.
- [32] M. Sharma, S. Joshi, S. Luthra, and A. Kumar, "Managing disruptions and risks amidst COVID-19 outbreaks: role of blockchain technology in developing resilient food supply chains," *Oper. Manag. Res.*, pp. 1–14, 2021.
- [33] S. Shanker, A. Barve, K. Muduli, A. Kumar, J. A. Garza-Reyes, and S. Joshi, "Enhancing resiliency of perishable product supply chains in the context of the COVID-19 outbreak," *Int. J. Logist. Res. Appl.*, pp. 1–25, 2021.

## Research Projects

**Mental Health, Stress and Resilience in Times of COVID-19: Understanding the Cross-sectional Psychosocial Impact of the Pandemic on Young People in India**

**Funding Agency :** Indian Council of Social Science Research (ICSSR), Co-Project Director

## Conducted Workshop

**ATAL Academy Sponsored FDP Course Under PM's GatiShakti Scheme , "Digital Supply Chains and Logistics 4.0 for Sustainable Future"**

**Funding Agency :** AICTE's ATAL Academy , Co-Project Director

Invited lectures (2021-22)

03.08.2022, Delivered Invited talk on "Pro- Poor policies of the Central Government and its impact on the economy.", All India Radio (AIR), Dehradun Centre [Broadcast on 17 August 2022, 21.15 hrs].

July

14.7.2022, Delivered Invited expert talks (two sessions) on "Online teaching and learning: using resources, tools and conferencing platforms for creating active learning environment" on 14th July 2022, during the National Level online Refresher course on "Hands on Experience of Learning the art and techniques of

*developing online programs" from 6th July 2022 to 19th July 2022, UGC-Human Resource Development Centre, BPSMV, India*

#### June

11.6.2022, Delivered Key note speaker Invited talk on *"Data Science for Decision Making\_Skill requirements and career opportunities ., NITIE Mumbai*

#### May

31.5.2022, Delivered Key note speaker Invited talk on *"Data Science for Decision Making\_Skill requirements and career opportunities ., Central University of Kerala*

#### April

26.4.2022, Delivered Invited talk on *"Impact of Geo-political uncertainty and pandemic on Global Economies and Supply Chains., School of Management, Doon University*

05.04.2022, Delivered Invited talk on *"Impact of Geo-political uncertainty and pandemic on Global Economies and Supply Chains., All India Radio (AIR), Dehradun Centre [Broadcast on 06 April 2022, 21.15 hrs].*

08.04.2022, Delivered expert talk in the panel discussion on *"Industry 4.0- Refueling Start-ups: a booster for young Entrepreneurs", Organized by the Associated Chambers of Commerce and Industry of India (ASSOCHAM) & JIMS Engineering Management Technical Campus (JEMTEC), Greater Noida, India.*

#### February

18.02.2022, Delivered Invited talk on *"Orientation on credible, indexing databases for publication in journal of repute", Department of Community Medicine, Government Doon Medicial College, INDIA*

12.02.2022, Delivered Invited talk on *"A Special Talk on understanding research terminologies and reference management", College of Agribusiness Management, G.B. Pant Agriculture University, INDIA*

10.02.2022, Delivered Invited talk on *"Overview of Quantitative and Qualitative research tools for early career researchers" ., College of Agribusiness Management, G.B. Pant Agriculture University, INDIA*

#### January

29.01.2022, Delivered Invited talk on *"Notes on Methodology of Scientific Research & Statistical Analysis: A few Modern Approaches., Jiwaji University, Gwalior (M.P.) India.*

28.01.2022, Delivered Invited talk on *"Crafting the research roadmap for early career researchers", Organized by School of Studies in Management, Jiwaji University, Gwalior (M.P.) India.*

07.01.2022, Delivered Invited talk on *"Critical thinking for sustainable future", Organized by The Institute of Engineers (India), Faridabad Local Centre, India.*

2021:

27.12.2021, Delivered Invited talk on *"Circular Economy practices in the era of Industry 4.0: Lessons for business managers, practioners and future workforce development", Organized by Humanities and Management Science Department, Gorakhpur, India.*

09.11.2021, Delivered Invited talk on *"Supply Chain Management in Hospitality & Tourism Industry", Organized by College of Hospitality & Tourism Management, Trinity University of Asia, Cathedral Heights, Quezon City, PHILIPPINES.*

01.9.2021, Delivered Invited talk on *"Rural Marketing Information System and its impetus on rural supply chain management", during One day national webinar on Growing significance of Supply Chain Management in rural marketing and its impact on rural economy (01 September 2021). Organized by G.S. College of Commerce, Wardha, INDIA*

26.8.2021, Delivered Invited talk on *"Leaning advanced e-tools for online-classroom teaching at UG/PG level and for academic research: A practical insight for University & Higher education faculty members during the " Refresher program on "Technological Reforms in teaching and upcoming trends in ICT(ID)"*

- Organized by HRDC, BPS Mahila University, from 17 August 2021 to 31 August 2021.
- 17.8.2021, Delivered Invited talk on *"Crafting the research roadmap for early career researchers"* Organized by IBS, ICAI business School, ICAI University, Dehradun, INDIA.
- 17.8.2021, Delivered Invited talk on *"Role of Lean Thinking in Sustainable Business Practices"* Organized by Faculty of Management Studies, SRM Institute of Science & Technology, INDIA., during five days 'ATAL- online Faculty Development Programme' on Lean Thinking for sustainable business practices in collaboration with All India Council of Technical Education (AICTE), from August 16 to 20, 2021.
- 06.8.2021, Delivered Invited talk on *"Circular Economy"* Organized by Department of Mechanical Engineering, Shobhit University, INDIA.
- 03.8.2021, Delivered Invited talk on *"Research paper writing: Do and Don't for the beginners"* Organized by School of Management, Doon University, INDIA.
- 30.7.2021, Delivered Invited talk on *"Crafting the introduction for research papers"* Organized by, International Management Institute, Kolkata, INDIA
- 11.6.2021, Delivered Invited talk on *"E-Commerce: Models in global economy"* Organized by Department of Management Studies, School of Business Studies, Central University of Kerala, INDIA
- 02.6.2021, Delivered Invited talk on *"Technologies startups and Fintech"*, during AICTE Sponsored National Level Faculty Development Program on Entrepreneurship Development (24th May 2021 to 05th June 2021). Organized by Faculty of Management Studies (Manav Rachna International Institute of Research and Studies, INDIA
- 20.4.2021, Delivered Invited talk on *"Market Basket Analytics & Text Analytics"* Organized by Department of Management Studies, School of Business Studies, Central University of Kerala, INDIA
- 19.4.2021, Delivered Invited talk on *"Big Data and Master Data Management"* Organized by Department of Management Studies, School of Business Studies, Central University of Kerala, INDIA
- 3.3.2021, Delivered Invited talk on *"People Analytics: Demystifying the benefits of Data-driven Technology in Human Resources"* Organized by Department of Management Studies, School of Business Studies, Central University of Kerala, INDIA
- 23.3.2021, Delivered Invited talk, *"New Skills Toolkit in the era of Industry 4.0 and Circular Economy"* Organized by Deen Dayal Upadhyay Kaushal Kendra, S.B.S. Govt. P.G. College, Rudrapur, Uttarakhand During the National Conference on *"Skill Development and Self-Reliant India"*.
- 20.3.2021, Delivered Invited talk, *"Circular Economy in Indian Manufacturing Sector: Key Challenges and Future Research Directions"* Organized by Guildhall School of Business and Law, London Metropolitan University, London, Organized at Radisson Hotel, Sohna Road, Gurugram, INDIA (20.3.2021-21.3.2021).
- 12.3.2021, Delivered Invited talk, *"Notes on Methodology of Scientific Research & Statistical Analysis: An Artificial Intelligence Approach"* Organized by College of Agribusiness Management, G.B. Pant University of Agriculture & Technology, Pantnagar, INDIA
- 10.2.2021, Delivered technical sessions on *"Content Analysis using Qualitative Tools"* during "One Week workshop on Research Methodology", Organized by School of Management, Doon University, Dehradun, INDIA
- 3.3.2021, Delivered Invited talk on *"People Analytics: Demystifying the benefits of Data-driven Technology in Human Resources"* Organized by Department of Management Studies, School of Business Studies, Central University of Kerala, INDIA
- 26.2.2021, Delivered technical sessions on *"Problem formulation and theory building"* during "One day workshop on Research Methodology", Organized by Central Library, Doon University, Dehradun, INDIA

### **Dr. Prachi Pathak**

Presented a paper titled “Resilience through the lens of entrepreneurship: A bibliometric analysis and network mapping of the emerging research field” in the 12 th edition of conference on Excellence in Research and Education( CERE), held from 03 rd to 05 th June 2022 at Indian Institute of Management, Indore.

Presented a paper titled “How Does An Investor Prioritize Determinants of Investment Decisions: An Assessment Based on a Fuzzy Approach” at International Conference on Contemporary Issues in Emerging Markets( CIEMC 2022) conducted on October 28-29, 2022 at Indian Institute of Management Bodh Gaya, India in collaboration with Waikato Management School, The University of Waikato, New Zealand.

awarded training competency in “Emotional Intelligence” by European Community for Neuro- Linguistic Programming in 2021.

conducted training programme on “Employee Well-being and Mindfulness” for middle level managers in Bharat Heavy Electricals Limited, Haridwar in 2021.

### **Dr. Smita Tripathi**

#### Notable Accomplishments

Prepared Syllabus of B.Com Honors for all the Uttarakhand Universities as per NEP 2020.

Inspirational Research Award in 2022

Anchor Faculty of Kona Kona Shiksha Project of SEBI

Award Excellence in NCC Activities, 11 UK Girls Bn NCC, Dehradun

Certificate for Excellence for NIAP

DO Letter from Officers Training Academy, Gwalior for Exemplary Performance

#### Organizing skills:

Organized 10 days workshop on Research Methodology for Faculty and Research Scholars

Organized webinar on Post Covid-19 Risk Return Dynamics of Share Market.

Organized seminar on Plastic Waste Management.

Organised online quiz on Awareness about Covid-19 Pandemic.

Organized Webinar on “Strategies for Personal Finance Management Including Mutual Funds During and After Covid-19” in joint association with AMFI on 28 November 2020.

Organised workshop on Psychological Support for covid 19 Pandemic in association with MGNRE, Ministry of Education

Coordinated Mutual Fund Distributor Program organised in association with NISM, SEBI

Member of organizing committee of National Seminar on Innovative Management Practices for Rural Development organized by Doon University.

Member of organizing committee of Webinar on Post Covid-19 Changing Socio-Cultural and Economic Scenario organized by Doon University.

Active participation in successful organization of the University elections.

Successfully organized various events such as: Blood donation Camp twice, Awareness rally on water conservation, Financial Literacy and Nukkad natak on various themes of Swachhta.

Contributed in successful organizing seminars and workshops conducted by School of management, Doon University.

#### Academic Achievements

Delivered lecture in Research Methodology Workshop organized by Doon University sponsored by ICSSR.

Co-chaired the technical session of National Seminar on Innovative Management Practices for Rural Development in the Doon University.

Panelist in the webinar on Post Covid-19 Risk Return Dynamics.

Delivered lecture in Research Methodology Workshop organized by Doon University sponsored by ICSSR during 14-

23 Jan 2019.

Take Session on Time Series Modelling in Research Methodology Workshop organized by School of Management

Doon University on Oct 2020.

Resource Person and Chair Technical Session in the National Conference on Emerging Trends in Business Management by Kanpur University on July 25-26, 2022.

Resource Person for Pre-Phd Classes of Kanpur University on 23-24 April, 2022.

Session on Financial Literacy Program organized by Badrinath Barwale Mahavidyalaya Jalna, Maharashtra. Publications

- Research Paper entitled, Airbnb phenomenon: a review of literature and future research directions <https://doi.org/10.1108/JHTI-04-2022-0133> (doi: 10.1108/JHTI-04-2022-0133). Journal of Hospitality and Tourism Insights, Emerald Publication.
- Research Paper entitled, Antecedents of Financial Instruments Choice of VC/PE Funds: Using the theory of Adverse Selection, The Journal of Structured Finance, 27 (1)
- Research Paper entitled, Covid-19 Pandemic : Call For Digital transformation Banking” Shodh Sanchar Bulletin, 10(49), 149-153.
- Research Paper entitled, Determinants of adoption of fintech: a study in selected rural areas of Uttarakhand, Uttar Pradesh, and Punjab. Nice Journal of Business Vol. 17 (1&amp;2), 2022)
- Book Review in Nice Journal of Business Vol 16.
- Chapter published in the book: A Study on Factors Affecting Individual Investors Investment Decision, Gyan Publication, Gyan Publication
- Chapter published in the book: Concept and Determinants of Presenteeism., Bloomsbury Publication
- Editor of Book on Innovative Management Practices

#### Conferences/Seminars Participated as Paper Contributor/Presenter

Presented a paper entitled “A systematic review of Airbnb Phenomenon: Progress and Prospectus ” organized by IIM Nagpur on Dec 27-30 2021

Presented a paper entitled “Presenteeism at Workplace ” organized by IIM Nagpur on Dec 27-30, 2021.

Presented a paper entitled “Financial Literacy of Youth: A Case study of Dehradun District ” organized by University of Mumbai on Jan 18, 2022

Presented a paper entitled “Drivers of Financial Inclusion of Uttarakhand” organized by manipal University on March 24, 2022.

Participated and presented a paper entitled” Determinant of Financial Instruments Choice organized by PAN IIM, at IIM Rohtak on 11-12 dec 2020.

Presented a paper entitled “Concept and Determinates of Presenteeism ” organized by the University of Allahabad on Feb 19-20, 2020.

Presented a paper entitled “Women on Corporate board and Firm Performance ” organized by Doon University on March 25, 2019

Presented a paper entitled “Management Lessons from Geeta ” organized by Dri Dev Suman University on Feb 16, 2019.

Presented a paper entitled “Sustainable Infrastructure provision Awareness in Dehradun City ” organized by Doon University on Feb 15, 2019

Webinars Attended:

- Attended a webinar on the topic “Musings of Entrepreneurship after Covid-19” organised by IMS,

Ramswaroop Memorial University, Lucknow on April 27, 2020.

- Attended a Three day International Webinar Series on the topic “Innovative Business Practices in the Times of Covid-19” organised by KMCHL University on April 28-30, 2020.
- Attended a webinar on the topic “Enhancing Research Effectiveness using Scopus, Sciencedirect and Mendeley” organised by Kurukshetra University, Kurukshetra in Collaboration With Elsevier on May 01, 2020

3

- Attended a webinar on the topic “ Impact of Covid-19 on MSME: Problems and Remedies” organised by D.S. Degree College, Aligarh on May 11-12, 2020.
  - Attended a webinar on the topic “ Socio-economic Impact of Covid-19 in india” organised by Mahamaya Govt. Degree College, Dhanupur, Prayagraj on May 15, 2020.
  - Attended a webinar on the topic “ Building Self Reliant India in Post Covid Regime” organised by Shivaji College, University of Delhi on May 19, 2020.
  - Attended a webinar on the topic “ Data Analysis and Statistical Computing” organised by Dr. Bhimrao Ambedkar University, Agra on May 27, 2020.
  - Attended a webinar on the topic “ What can we learn about leadership from the Covid-19 Crisis organised FMS, Gurukul Kangri University, Haridwar on May 29, 2020
  - Attended a webinar on the topic “Covid 19-Impact on the Economy, Challenges and Future Strategy ” organised by Lucknow Christian College, Lucknow on June 01, 2020
  - Attended an International webinar on the topic “Covid-19: A New Paradigm Shift in Pedagogical Practices ” organised by Isabella Thoburn College, Lucknow on June 03, 2020
  - Attended an International webinar on the topic “Stress Management ” organised by D.S.N (PG) College, Unnao on June 03, 2020
  - Attended a webinar on the topic “Strategy for Managing Personal Finance Including Mutual Funds During and After Covid-19 ” organised by Gurunanak Dev University, Amritsar June 24, 2020.
  - Attended a Virtual International Conference on the topic “ Soft Computing Techniques And Cost Optimization For Inventory Modeling” organised by Techno India University, West Bengal on October 10-11, 2020.
- Workshops/Training Programmes attended
- Attended a Workshop on the topic “ Latest Trends in Commerce” organised by Department of Commerce and Research Centre, Sarah Tucker College, Tirunelveli from May 14-16, 2020.
  - Completed Course on GST organised by Shiva Ji College in association with VOCA From August 17-28, 2020. Participated in the AICTE sponsored Short term Training Program on “ Internet of Things and Data Analytics” conducted by JSS Academy of Technical Education, Noida.
  - Successfully Completed Course on “ Data Science and Math Skill” offered through Coursera by Duke University with 97% grade.

Dr. Vaishali

Published paper entitled “HR Policies and Practices: A Conceptual Study” in the International Journal of Analytical and Experimental Modal Analysis, February 2021

Published paper entitled “Performance evaluation of Private Sector Companies as compared with Public Sector Companies” in the International journal of Analytical and Experimental Modal Analysis, February 2021

### ***Significant Achievements of the Students***

- Ms. Shalini Bartwal Achieved Winner of the first international student conference organised by Department of management studies (DOMS), Graphic Era university (GEU) on 15th October 2022

- Mr. Ashish Matura became the recipients of UGC NET-JRF doctoral fellowship during their PhD programme in the 2021.
- Ms. Shreyasi Nautiyal became the recipients of ICSSR doctoral fellowship during their PhD programme in the 2021.
- Mr. Ashish Matura became the recipients of UGC NET-JRF doctoral fellowship during their PhD programme in the 2021.
- Two students of BCom (Hons.) have cleared Bank Probationary Examination in August 2021.
- Mr. Gaurav Tiwari, Research Scholar participated and presented the paper entitled “Coupled Behavior of Spirituality at Workplace and Organisational Commitment in Networked Organisations” in Irish Academy of Management Conference, Dublin in August 2021.
- Ms. Priya Saini (a research scholar) became the recipient of Post – Doctoral Fellowship in Department of Management Studies, IIT Roorkee in 2021.
- Ms. Shalini Srivastava, research scholar received the offer to associate as business lecturer with Global Banking School, Manchester, United Kingdom in 2020.
- Ms. Shradha Jain became the recipients Molana Azad National Fellowship for minority from July 2019
- Ms. Shalini Srivastava, Ms. Shalu Rathi and Ms. Ankita Bajpai became the recipients of ICSSR doctoral fellowship during their PhD programme for the duration 2017-2019.
- Dr. Manu Sharma was enrolled under the supervision of Prof. H. C. Purohit for her Post- Doctoral Fellowship sponsored by ICSSR, New Delhi (2017-2019).
- Mr. Paras Bampal became the recipients of UGC NET-JRF doctoral fellowship during their PhD programme in the 2019.
- Mr. Manjib Bhuyan (a research scholar) was invited to associate as Academic Advisor with University Technology Malaysia Franchise, UTM-QIU (Q.S Ranking 173 top University worldwide) Ankara (Turkey) in 2019.
- Some students have secured their placements in reputed organisations like Bank of America, Oriental Bank of Commerce, HDFC Bank, ICICI Bank, Kotak Mahindra, BHEL, Byjus etc.
- Mr. Rahul Tyagi (an MBA student) qualified UPSC examination and is employed as Deputy Labour Commissioner (Central), Class I Officer, Dehradun since 2015.

## 6.6 School of Design



### VISION

Doon University is only among the very select state Universities in India that has initiated to offer a vocational programme in Design at undergraduate level, leading to a UGC recognized Bachelor in Design (B Des) degree. The School of Design (SoD) will draw upon the wealth of traditional knowledge that has existed in different parts of the country, and combine it with modern design thinking to promote the study and practice of design in a social context, with stress on design methodology and design attitude.

### MISSION

It is our belief that the Design education must generate integrated experimental and explorative learning in order to achieve better understanding of creative innovations. The school must provide a flexible frame work of student centric learning where the sole objective is to harness the creative potential of each individual and develop an attitude for logical and critical thinking.

### DESIGN PEDAGOGY

A multidimensional approach is thus evolved to achieve the required goals by studying and analysing cultural, social and technological development. Ample opportunities are needed to be created by the school to develop each student to his or her full potential in terms of innovative and exploratory thinking, required skills and critical thinking in order to identify the appropriate design solutions in the appropriate cultural context. It is very important to understand the design in relation to the context of society that the student intends to practice. At the same time, interdisciplinary and progressive knowledge of design with the focus on specialization the critical factor to the design education is immensely important.

A sense of professional responsibility/commitment and a balance between 'to do or not to do' is important for each student to develop within the period of four years at the school. This includes professional ethics, work commitment and the responsibility towards society as a critical part of educational curriculum. Thus, design education poses a different kind of challenge to the school / University to impart this kind of education by the method of being extremely sensitive to the needs of the changing times, needs of the industry and most importantly the aspirations of young.

### PROGRAMME & STRUCTURE OF EDUCATION

The School of Design offers a four-year Bachelor in Design program consisting of eight semesters. The teaching pedagogy lays emphasis on creative thinking and a critical analysis of the product, and has hands - on approach to

shape it. The programme focuses on nurturing the creative aptitudes in each student and develop their ability to evolve in the process of problem solving. Emphasis is given to design education in relation to our eco – system and society that we live in as well as the environment, which we need to preserve. Aim is to turn out design graduates, who are 'Industry ready' and have the necessary skills to be absorbed in different work arenas. Participation of industry professionals and solving industrial problems in the real work situation is the essence of design education at the School of Design.

After a common foundation program, students will be required to pursue a three year specialisation. Currently the School offers Product Design and Graphic Design specialisations. The curricula of specialisation courses are developed on the basis of the market needs. The specialisation will be offered in consultation with the student after an evaluation of performance and aptitude in foundation year.

## Programmes

Bachelor in Design (B Des) (4 years)

## FACULTY

	Name	Designation
1	Ms. Dhriti Dhaundiyal	Visiting Faculty (Contract)
2	Ms. Richa Pant	Visiting Faculty (Contract)
3	Mr. Atul Shah	Visiting Faculty (Contract)
4	Mr. Rahul Bahuguna	Visiting Faculty (Contract)

## Research Output of the Department/School in 2021-2022

Dhaundiyal D. (Ed.) 2022, Agrabami: SDG Goalkeepers 2021 | Stories from Uttarakhand, Centre for Public Policy & Good Governance, Government of Uttarakhand & UNDP. Printline Publishing, Dehradun. ISBN 978-93-5768-471-2 [https://cppgg.uk.gov.in/?page\\_id=2589](https://cppgg.uk.gov.in/?page_id=2589)

Dhaundiyal D., & Pant R. (2022) Tools for virtual brainstorming and co-creation: a comparative study of collaborative online learning, EDDE 2022, Design Education Conference, Connected: The Virtual Design Classroom, Indian University Southeast, USA & IDC School of Design, IIT Bombay, India 1-3 September 2022 <https://eddeconf.us/wp-content/uploads/2022/09/EDDE-2022-Conference-Schedule-A4-Updated.pdf>

Dhaundiyal, D. and Sharma, N., 2022, August. Exploring Boundary Objects in Artefact Based Probes in Capturing Tacit Knowledge. In Proceedings of the Participatory Design Conference 2022-Volume 2 (pp. 208-209). <https://doi.org/10.1145/3537797.3537830>

Dhaundiyal, D., and Sharma N. (2022), Tacit need capture through participatory research to increase female access to public transport in new Indian cities, RGS-IBG Annual International Conference 2022: Participatory methods for recovery and transformation, Royal Geographical Society (with the Institute of British Geographers), 30 August-2 September, 2022

Dhaundiyal, D. and Dhaundiyal, S. (2021), Colouring Outside the Lines: Analysis of Gender and Socio-economic Background in Design Education, Paper Presented in International Conference on A Fair Chance for Education:

Problematising Access and Mapping Gendered Pathways to Higher Education in India Conference' on 15-16 July, Warwick University & Tata Institute of Social Sciences. <https://tiss.edu/view/5/homepage-data/homepage-events-and-announcements/international-conference-on-a-fair-chance-for-educ/>

Dhaundiya, D., Pai, S., Cramer, M., Buchmüller, S., Malhotra, S. and Bath, C. (2021). The Larger Picture: A Designerly Approach to Making the Invisible Domestic Workloads of Working Women Visible, 5th Asian CHI Symposium, Tsukuba, Japan. May 7th - 8th, 2021 <https://doi.org/10.1145/3429360.3468224>

Dhaundiya, D. and Dhaundiya, S. (2021), Gendered Pathways in Design Education: Findings from a Public University in India, Design and Technology Education: an International Journal. 2021 [S.l.], v. 27, n. 1, p. 49-64, mar. 2022. ISSN 1360-1431. Available at: <<https://ojs.lboro.ac.uk/DATE/article/view/3076>>

Dhaundiya, D. (2021). Design Justice - Community-led Practices to Build the Worlds We Need : Book Review. DISCERN: International Journal of Design for Social Change, Sustainable Innovation and Entrepreneurship, 2(2), 1-6. ISSN 2184-6995 Retrieved from <https://www.designforsocialchange.org/journal/index.php/DISCERN-J/article/view/50>

## Collaboration of the School at National/International Level

School of Design works in collaboration of both public and private institutions in various capacities. In 2021-22, School of Design worked with:

Important collaborations with leading private organisations in Uttarakhand are:

- UNDP & Centre for Public Policy and Good Governance, Government of Uttarakhand
- SPMG National Mission for Clean Ganga
- National Institute for the Visually Handicapped (NIEPVD)

## Significant Achievements of the Faculty Members

Ms Dhriti Dhaundiya is the Nodal Officer for SPMG Namami Gange Mission for the state of Uttarakhand and the Centre for Public Policy and Good Governance, Government of Uttarakhand. Her research work on feminist paradigms, public transport and participatory design has received academic recognition. She is an industry veteran and has over 15 years of experience.

Mr Atul Shah was instrumental in organizing the Swachhta Pakhwada 2021 in Doon University. His specializations are painting and sculpture.

## Significant Achievements of the Students

The students of School of Design secure remarkable placements in the industry. They have been consistently placed in design firms in Delhi, Bangalore, Ahmedabad and Kolkata. Their work has been lauded for its fresh approach and integrity of the design process. Some examples are as follows:

Amrita Kumari (2015 Batch)	: Placed in Dabur
Pragati Srivastava (2015 Batch)	: Placed in Nagaro
Nidhi Chhimwal (2015 Batch)	: Placed in Liberty Shoes
Arpna Kumari (2015 Batch)	: Placed in RP Autostyles
Paridhi Kharbanda (2016 Batch)	: Placed in Wonderchef
Sanu Shreya (2017 Batch)	: Placed in Deptt. Of CSE, IIT Bombay
Urvashi Panwar (2017 Batch)	: Placed in Techchasers

Mohd. Bilal (2018 Batch)	: Placed in Diacoustic Labs Private Limited
Harshit Taneja (2018 Batch)	: Placed in Bakarmax
Dev Bharti (2018 Batch)	: Placed in Noise Audio
Bhumika Benjwal (2018 Batch)	: Project with UNDP/CPPGG, Govt. of Uttarakhand
Monika Dangwal (2018 Batch)	: Project with UNDP/CPPGG, Govt. of Uttarakhand

Some students have opted for higher studies, wherein their achievements are worth-highlighting. Some examples are as follows:

Mr Anubhav Kukreti (a student of 2016 Batch) secured 1<sup>st</sup> rank in the all-India entrance exam of the prestigious Masters in Interface Design, National Institute of Design, Ahmedabad.

Mr Utsav Baluni (a student of 2016 batch) has been selected for admission in Masters in Integrated Design at Hochschule Anhalt Dessau and Technical Hochschule Köln in Germany.

## Other Salient Academic Highlights of the Department

- § School of Design conducted field research and documented Sustainable Development stories from Uttarakhand heartlands, publishing it in the form of 'Aragami', a book that cover 27 exceptional stories of award winning endeavours in sustainability
- § School of Design organized the Namami Gange Swachhta Pakhwada in 2022 in coordination with SPMG Namami Gange, Uttarakhand.
- § School of Design organized Katha Sangam 2022 in coordination with SPMG Namami Gange, Uttarakhand, conducting story telling workshops and distributing over 1000 books in schools in Dehradun.
- § School of Design also organizes regular workshops to build skills and conceptual ability. Some of our recent workshops include Cinematic Colour design, Sketching for Visualisation, Tie & Dye, Bamboo furniture making, Linocut printing, Aipan painting etc.
- § School of Design holds a monthly Design Choupal, where practicing designers and design educators are invited to share experience and expertise with the students to prepare them for professional practice.
- § School of Design has established the Namami Gange Vatika in 2021. We have adopted a greenspace in the University, planting many trees and creating spaces for students to interact with nature.
- § During the lockdown period in the year 2021, School of Design organised a very successful and well-attended Wednesday Webinar series with leading lights of design from the industry to help maintain a connect with the students on relevant and timely topics like Post-covid protocols in Digital Design, indigenous innovations in 3D prototyping, craft pedagogies in Uttarakhand etc.

## 6.7 School of Physical Sciences

### 6.7.1 Department of Mathematics

Department of Mathematics in Doon University was started in 2015 as a part of School of Physical Sciences (SoPS). A two-year postgraduate course in Mathematics and five year integrated MSc course was started in year 2015. There are three regular faculty Department of Mathematics all with Ph.D. degrees, to respond to the needs of mathematics students. The focus of the department is to provide excellent education that enables the students to enter various fields

of sciences and to make them eligible for wide range of relevant fields. The Department of Mathematics is located in the Composite Laboratory Building.

## Mission & Vision of Mathematics Department:

Our mission is to provide students experiences in mathematics that will empower them to succeed in an ever changing society. This is accomplished through our commitment to excellent teaching, a well-designed curriculum, and a supportive environment.

To support our mission, we are committed to professional development, ongoing curriculum assessment and design, effective teaching techniques, and the use of technology to supplement instruction.

Our vision is to provide excellence in education for all students. We will assess and design courses and learning experiences that promote the academic achievement and the personal and social growth of students. Students will be able to appreciate and apply mathematical

knowledge and skills to their daily lives, careers, and future educational plans.

## Programs

### Degree Programs

The Mathematics Department has the following degree options:

1. **Master of Science (Mathematics): 02 years Program.** The Master of Science in Mathematics was started in 2015 on the entrance basis. There are 20 lateral entry seats approved.
2. **Master of Science (Integrated): 05 years Program**  
The MSc (Integrated) program have been designed as per the latest guidelines of UGC by following CBCS system. The core courses are supplemented by a combination of elective course run by the department.
3. **PhD – Mathematics**  
From the academic session 2016-17 PhD program started in mathematics.

### Faculty

#### **Dr. Sarita (Assistant Professor), In-Charge-Head.**

**Expertise:** Computational Biomechanics, Mathematical Modeling, Fluid dynamics, Numerical Analysis, Differential equation.

Email: saritamath@gmail.com

#### **Dr. Asha Ram Gairola (Assistant Professor)**

**Expertise:** Approximation Theory, Real & Complex Analysis, Functional Analysis, Numerical Analysis, Fixed Point Theory.

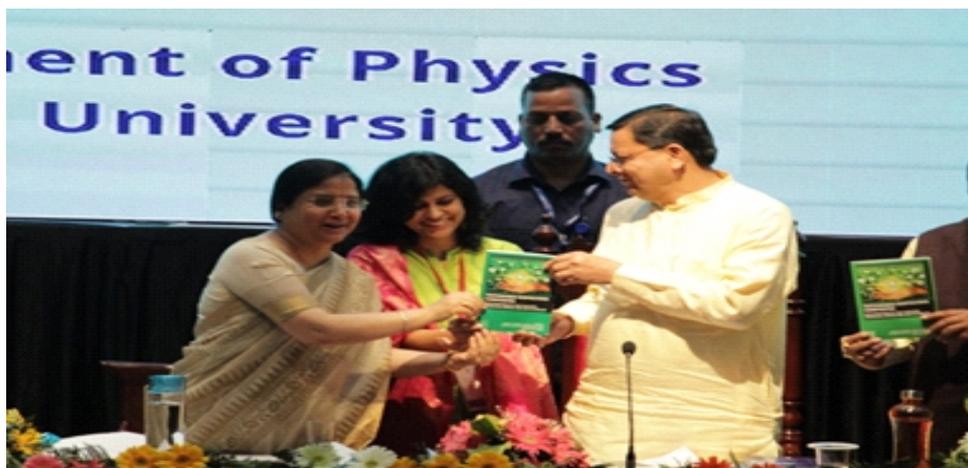
Email: ashagairola@gmail.com

#### **Dr. Komal (Assistant Professor)**

**Expertise:** Fuzzy reliability analysis, Optimization, Soft Computing, Differential Equations, Numerical Analysis, Operations Research, Fuzzy Sets and Fuzzy Logic.

Email: karyadma.iitr@gmail.com

## 6.7.2 Department of Physics



### About the department:

The Department of Physics was established in the year 2015 and is an active beehive of high quality teaching programs and competent faculties with diverse research backgrounds that cater to the ever challenging needs of teaching and technical excellence in various areas in physics with globally benchmarked curricula. The department offers undergraduate, post graduate and doctoral programs. A MoU has been signed between the University and Instruments Research & Development Establishment (IRDE), a branch of Defense Research & Development Organization (DRDO). The curricula of integrated M. Sc. program are based upon UGC's choice based credit system (CBCS) and provides the in-depth study of the subject and the related areas. The foundation of the subject is built through *Core courses* coupled with a choice based specialization of different branches of Physics through *Elective courses*. The department offers its *Generic Elective courses* to other departments in the university as a part of CBCS as well. The department is growing with time with its developing state of the art laboratories for learning through experiments.

### Vision

“To emerge as a Centre of Excellence in the chosen areas of studies and to carry out research for the advancement and dissemination of knowledge. The University shall be benchmarked with the best in the country and globally.” The University will be known for following:

- (i) Student and learning-to-learn centered pedagogy supported by a community of eminent teaching faculty and research scholars;
- (ii) Leadership through collaborative educational ventures, and;
- (iii) Value-based learning.

**Road Map:** The department aims to achieve the following in the area of research and education:

- To become a world-class institution for career building through scientific learning in higher education.
- To build foundation for excellence among its students and researchers.
- To provide a strong platform for research in basic and applied sciences.
- To cultivate the sense of pioneering spirit and innovative thinking around disciplinary domain.

Faculty members between July 01, 2021 and June 30, 2022.

Name	Designation	Duration	Remark
Dr. Vikas Sharma	Assistant Professor	August 2015 to present	Regular
Dr. Himani Sharma	Assistant Professor	August 2015 to present	Regular
Dr. Archana Mishra	Assistant Professor	August 2021 to June 2022	Contractual
Dr. Charu Dwivedi	Assistant Professor	September 2021 to June 2022	Contractual
Dr. Sachin Kumar	Assistant Professor	September 2021 to June 2022	Contractual
Dr. Varsha Rani	Assistant Professor	August 2021 to June 2022	Guest Faculty
Mr. Kuldeep Rawat	Assistant Professor	August 2021 to June 2022	Guest Faculty
Mr. Kailash Rangar	Assistant Professor	August 2021 to June 2022	Guest Faculty
Dr. Poonam Semwal	Assistant Professor	February 2022 to June 2022	Guest Faculty
Dr. K.C. Bahuguna	Assistant Professor	December 2021 to June 2022	Guest Faculty

## Number of students admitted in each programme during Academic Session 2021-22 (male & female)

Name of the Programme	Total Seats	No. of Students admitted	No. of Male Students	No. of Female Students
M. Sc. Integrated	40	40	21	19
M. Sc. Physics	10	09	04	05
Ph D	00	00	00	00

## List of Research Publications in Journals: -

1. P. Bamola, S. Rawat, M. Tanwar, K. Asokan, C. Dwivedi, R. Kumar, **H. Sharma**, *Effect of low energy ion irradiation on TiO<sub>2</sub>-based hybrid nanostructures for enhanced photocatalytic activity*, 2022, The European Physical Journal Special Topics. DOI: 10.1140/epjs/s11734-022-00545-2.
2. P. Bamola, M. Sharma, C. Dwivedi, B. Singh, S. Ramakrishna, G. K. Dalapati, **H. Sharma**, *Interfacial Interaction of Plasmonic Nanoparticles (Ag, Au) Decorated Floweret TiO<sub>2</sub> Nanorod Hybrids for Enhanced Visible Light Driven Photocatalytic Activity*, 2021, Journal of Material Science and Engineering B. DOI: 10.1016/j.mseb.2021.115403.
3. A. Nawade, K. Ramya, S. Chakraborty, P. Bamola, **H. Sharma**, M. Sharma, K. Chakraborty, S. Ramakrishna, S. Biring, T. K. S. Wong, A. Kumar, S. Mukhopadhyay, G. K. Dalapati, *Copper based transparent solar heat rejecting film on glass through in-situ nanocrystal engineering of sputtered TiO<sub>2</sub>*, 2022, Ceramics International. DOI: 10.1016/j.ceramint.2021.10.030 (I. F. 4.527)
4. V. Yadav, **H. Sharma**, A. Rana, V. K. Saini, *Facile synthesis of boron and nitrogen doped TiO<sub>2</sub> as effective catalysts for photocatalytic degradation of emerging micro-pollutants*, Journal of Industrial and Engineering Chemistry (2022), 107, 126-136.
5. V. Kaushik, S. Pathak, **H. Sharma**, S. Sachdev, S. Anwar, C. Prakash, *Impact of edge functionalization on electron field-emission characteristics of carbon nanotubes: A theoretical approach*, Physica B: Condensed Matter, (2022), 625, 413491.
6. V. Singh, D. Meena, **H. Sharma**, A. Trivedi, B. Singh, *Investigating the role of chalcogen atom in the piezoelectric performance of PVDF/TMDCs based flexible nanogenerator*, Energy (2022), 239, 122125.
7. D. Sajwan, A. Semwal, J. Rawat, **H. Sharma**, C. Dwivedi, *Synthesis of CdSe QDs decorated ZIF-8 composite for visible light assisted degradation of methylene blue*, Materials Today: Proceedings, (2022). Doi: 10.1016/j.matpr.2022.10.008.
8. I. Riyal, A. Badoni, S. S. Kalura, K. Mishra, **H. Sharma**, L. Gambhir, C. Dwivedi, *Antimicrobial activity of synthesized graphene oxide-selenium nanocomposites: A mechanistic insight*, Environmental Science and Pollution Research, (2022), 1-9. Doi: 10.1007/s11356-022-23550-3
9. K. Bijalwan, P. Kandwal, J. Rawat, A. Kainthola, M. Sharma, **H. Sharma**, A. Mishra, C. Dwivedi, *DFT supported experimental investigation of strain induced interfacial modification in Au-Ag bimetallic nanoparticles coated on activated sand*, Applied Surface Science Advance, (2022), 11, 100315. Doi: 10.1016/j.apsadv.2022.100315
10. C. Negi, P. Kandwal, J. Rawat, M. Sharma, **M. Sharma**, G. Dalapati, C. Dwivedi, *Carbon-doped titanium dioxide nanoparticles for visible light driven photocatalytic activity*, Applied Surface Science, (2021), 554, 149553. Doi: 10.1016/j.apsusc.2021.149553

11. S. Rawat, P. Bamola, C. Dwivedi, **H. Sharma**, *Two dimensional MoS<sub>2</sub> gas sensor to detect carbon monoxide (CO)*, *Materials Today: Proceedings*, (2021), 45, 4841-4843. Doi: 10.1016/j.matpr.2021.01.297
12. J. Rawat, K. Bijalwan, C. Negi, **H. Sharma**, C. Dwivedi, *Magnetically recoverable Au doped iron oxide nanoparticles coated with graphene oxide for catalytic reduction of 4-nitrophenol*, *Materials Today: Proceedings*, (2021), 45, 4869-4873. Doi: 10.1016/j.matpr.2021.01.349
13. A. Negi, K. Bijalwan, J. Rawat, **H. Sharma**, C. Dwivedi, *Synthesis and characterization of the nanocomposites of graphene oxide in polyethylene glycol (PEG)*, *Materials Today: Proceedings*, (2021), 45, 4742-4745. Doi: 10.1016/j.matpr.2021.01.182

## Books Authored/ Edited

1. P. Bamola, S. Rana, B. Singh, C. Dwivedi, **H. Sharma**, *Nanostructured TiO<sub>2</sub> Ceramic Materials for Light and Mechanical Energy Harvesting Applications*, *Advanced Ceramics for energy and environmental applications*, CRC Press, 2021.
2. K. Bijalwan, A. Kainthola, S. Negi, **H. Sharma**, C. Dwivedi, *Nanostructured Ceramics: Role in Water Remediation. In Advanced Ceramics for Energy and Environmental Applications*, 2021, 253-284. CRC Press. Doi: 10.1201/9781003005155-12.

## Papers presented in conference/seminar

1. P. Bamola, S. Rawat, C. Dwivedi, **H. Sharma**, *Photoinduced Charge Separation at the Nanoparticles (ZnPd)/TiO<sub>2</sub> Nanorods Interface for Enhanced Photocatalytic Activity*, ICTN-KLC, August 24-26, 2021, IIT Delhi.
2. P. Bamola, S. Rawat, C. Dwivedi, **H. Sharma**, *Plasmonic Nanoparticles Deposited TiO<sub>2</sub> Nanorod based Hybrids for Enhanced Electrochemical and Photocatalytic Activity*, RAMSOS-2021, December 20-December 21, 2021, NIT, Raipur.
3. S. Rawat, P. Bamola, S. Chandel, R. Kala, C. Dwivedi, **H. Sharma**, *Environmental gas sensing studies using flower like MoS<sub>2</sub> hybrid structure*, RAMSOS-2021, December 20- December 21, 2021, NIT, Raipur.

## Projects

S.N.	Title and Scope of the R&D project/ Associated Faculty	Year in which started	Budgeted projected cost (Rs. in Lakhs)	Remarks* Status: completed/non completed
1	Fabrication of smart gas sensing device using 2D-MoS <sub>2</sub> and WS <sub>2</sub> based heterostructures <b>(UGC-DAE) (Dr. Himani Sharma)</b>	April 2022	45000/-	45000/-

## (1) Workshop/Training attended by faculty

- i. Dr. Ajeet Kumar Maurya participated in 1 weeks Faculty Development Program sponsored by ISEA-II (March 10-March 14, 2021).
- ii. Dr. Himani Sharma participated in participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP (July 06-July 10, 2021).

## (2) Significant Achievements of the Students

- i. One MSc students Mr. Pankaj Singh Pokhriya qualified the national level **GATE-2022** examination.
- ii. Three Integrated MSc students namely Kavya Bhandari, Divyanshu Gola and Priyanshi Bhandari qualified **JAM-202022** (Joint Admission test for MSc) examination with a good score.
- iii. One Integrated MSc students Shailesh Bisht qualified **AFCAT-2022** examination.
- iv. One M. Sc. Student Mr. Prasoon Kumar selected for **Ph.D. at University of Grenoble France.**

## (3) Other Salient Academic Highlights of the Department

- I. The department has established high end research facilities for both research and academic labs through the research grant from UGC-DAE.
- ii. The bachelors and master's students are encouraged to pursue research work in current demanding areas. The master's students have represented the department in various national and international conferences.
- iii. Webinar on “**Materials design for photocatalytic water splitting and CO<sub>2</sub> reduction**” was conducted March 25, 2022.
- iv. A presentation on “**the theory and programming of factorial design**” was conducted march 08, 2022 by the science club (Department of Physics).
- v. A workshop on “**Professional advancement program for Indian women researchers in STEM**” was organized on JUNE 02-03, 2022 by Department of Physics, Doon University, Dehradun.
- vi. A book entitled “**Sustainable Biopolymer Composites**” launched by the CM of Uttarakhand, which was edited by Dr. Himani Sharma.

## (4) Two or three representative pics/images of departmental activities.



Priyanka, Ph. D. student of Dr. Himani Sharma defended her final viva voce.



Governor's Award received by Mr. Pranjul Kunwar

### 6.7.3 Department of Computer Science



Department of Computer Science in Doon University came into existence in the year 2015 as a part of School of Physical Sciences. In pursuit of excellence in teaching and research, the department aims to be recognized as a scientifically and technologically advanced center by imparting quality education, theoretical as well as practical, in the field of Computer Science.

#### Vision:

Students become innovative leaders in the field of Computer Science and faculty be recognized for their passion for teaching and quality research, thereby establishing a unique identity.

**Mission:** 1. To provide quality education in both theoretical and applied foundations of CS.  
2. To establish a research center with excellence at par with global standards.

About the Programmes: Currently, the department offers a 5-year Integrated M.Sc. program in Computer Science. During the course of the program, the students will develop deep discipline-specific knowledge as well as the skills required for graduate level employment. Our 5-year integrated programme of M.Sc. (Computer Science) has been designed as per the CBCS (Choice Based Credit System) pattern in close accordance with models prepared by the UGC. A varied range of elective courses supplements the core courses across departments of the university. Interdepartmental credit transfers encourage inter-disciplinary learning. Students have an option of exiting the programme after 3 years with an Honors degree in B.Sc. (Computer Science). Various computational subjects are of industrial relevance and at the same time required at the forefront of pursuing a research career in Computer Science

## 6.7.4 Department of Chemistry

### Faculty Members

Faculty Member	Designation
Dr. Arun Kumar	Assistant Professor and Head (I/C)
Dr. Charu Dwivedi	Assistant Professor
Dr. Som Dutt	Senior Research Associate (SRA) (under Scientists Pool Scheme of CSIR)
Dr. S.V. Garimella	UGC-Assistant Professor (under Faculty Recharge Programme)
Prof. Pankaj Sharma	Visiting Faculty
Prof. P. Balaram	Adjunct Professor
Dr. Shailesh Upreti	Adjunct Faculty
Dr. S.S. Ray	Guest Lecturer
Dr. Rekha Rani	Guest Lecturer
Ms. Deepika Dangi	Guest Lecturer
Dr. Rahul Siwatch	Guest Lecturer
Dr. Pooja Rawat	Guest Lecturer
Dr. Namita Tewari	Guest Lecturer
Dr. Unnati Ahluwalia	Guest Lecturer

## Number of Students:

(Both male & female Admitted in each programme during Academic Session 2021–22)

Name of the Programme	Total Seats	No. of Students	No. of Male	No. of Female Students
M.Sc. Integrated (I year): (2021 Batch)	40+4	34	07	27
M.Sc. Integrated (II year): (2020 Batch)	40+4	41	12	29
M.Sc. Integrated (III year): (2019 Batch)	40+4	38	12	26
M.Sc. Integrated (IV year): (2018 Batch)	40	25	08	17
M.Sc. Integrated (V year): (2017 Batch)	40	11	04	07
Ph.D. Chemistry: (2021 Batch)	02	02	01	01

## Research Areas, Infrastructure and Facilities:

Department aims at ensuring the exposure of the students to several exciting areas of research. Such areas include organometallic chemistry, catalysis, solar energy, materials science, nanotechnology, and biomedicine. Research infrastructure including labs have been established with the support of the university as well as by utilizing university research grants of all the faculty members viz. Dr. Arun Kumar, and Dr. Charu Dwivedi. Procurement of some modern and advanced equipments has been done using the funds received under RUSA. Some other instruments will also be procured utilizing university grants in near future.

### *Doctoral Study: Ph.D.*

Department offers a full time Doctor of Philosophy (Ph.D.) program in chemistry. First batch in this program was introduced in academic year (i.e. 2016-2017). Number of seats and admission procedure is in accordance with UGC (*Minimum Standards and Procedure for Award of M.PHIL./PH.D. Degrees*) Regulations, 2016 and/or Doon University PhD Ordinance 2021. Key areas of focus of research in the department at present are:

- Development of molecular, heterogeneous and nanocatalysts using organochalcogen and organophosphorous compounds and exploration of their applications in catalysis of various chemical transformations and electrocatalysis.
- Polymer based drug delivery systems, photocatalysis and applications of nanoparticles in water remediation

### List of Pre Ph.D. courses offered by the department:

- Research Methodology
- Research and Publication Ethics
- Molecules and Materials: Designing and Characterization
- Basics of Polymer Chemistry
- Catalysts for Chemical Transformation
- Applications of Macromolecules and Nanomaterials
- Bioinorganic and Organometallic Chemistry
- Statistics and Computer Applications
- Spectroscopic and Spectrometric Methods
- Transition Metal Complexes: Bonding, Reaction Mechanisms and Applications

- Strategies of Synthesis and Characterization of Organic Molecules
- IPR and Traditional Knowledge

## Publications:

### A. Publications in National/International Journals:

1. G. Mann, P. M. Gurave, A. Kaul, K. G. Kadiyala, M. Pokhriyal, R. K. Srivastava, A. Kumar and A. Datta, *J. Drug Deliv. Sci. Technol.*, 2022, 68, 103030.
2. P. Oswal, K. Sood, S. Singh, A. Arora, A. Bahuguna, S. Purohit, and A. Kumar, *Dalton Trans.*, 2022, 51, 6537-6542.
3. D. Sharma, A. Arora, P. Oswal, A. Bahuguna, A. Datta and A. Kumar, *Dalton Trans.*, 2022, 51, 8103-8132.
4. P. Oswal, A. Arora, S. Singh, D. Nautiyal, S. Kumar and A. Kumar, *New J. Chem.*, 2022, 46, 3578-3587.
5. A. Arora, P. Oswal, A. Datta and A. Kumar, *Coord. Chem. Rev.*, 2022, 459, 214406.
6. S. Kumar, S. Singh, A. Kumar, K. S. R. Murthy and A. K. Singh, *Coord. Chem. Rev.*, 2022, 452, 214272.
7. J. Kaushal, S. Singh, P. Oswal, A. Arora, D. Nautiyal and A. Kumar, *J. Mol. Struct.*, 2022, 1253, 132099.
8. J. Kaushal, S. Singh, D. Nautiyal, G. K. Rao, A. K. Singh and A. Kumar, *New J. Chem.*, 2022, 46, 14757-14781.
9. A. Arora, G. K. Rao and A. Kumar, *Mini-Rev. Org. Chem.*, 2022, 19, 549-551.
10. D. Sharma, A. Arora, A. Chamoli, P. Rana, S. Gairola, P. Oswal, S. Kumar and A. Kumar, *Mater. Today: Proc.*, 2022, 48, 1553-1558.
11. P. Bamola, S. Rawat, D. K. Pathak, M. Sharma, C. Dwivedi, S. Farsinezhad, R. Kumar and H. Sharma, *J. Phys. D Appl. Phys.*, 2022, 55, 335501.
12. C. Negi, P. Kandwal, J. Rawat, M. Sharma, H. Sharma, G. Dalapati, and C. Dwivedi, *Appl. Surf. Sci.*, 2021, 554, 149553.
13. P. Bamola, M. Sharma, C. Dwivedi, B. Singh, S. Ramakrishna, G. K. Dalapati and H. Sharma, *J. Mater. Sci. Eng. B*, 2021, 273, 115403.
14. P. Bamola, S. Rawat, C. Dwivedi and H. Sharma, *Mater. Today: Proc.*, 2021, 45, 5338-5341.
15. A. Negi, K. Bijalwan, J. Rawat, H. Sharma and C. Dwivedi, *Mater. Today: Proc.*, 2021, 45, 4742-4745.
16. P. Kaswan, P. Oswal, A. Kumar, C. M. Srivastava, D. Vaya, V. Rawat, K. N. Sharma and G. K. Rao, *Inorg. Chem. Commun.*, 2021, 20, 109140.
17. S. Singh, D. Nautiyal, F. Thetiot, N. Le Poul, T. Goswami, A. Kumar and S. Kumar, *Inorg. Chem.*, 2021, 60, 16059-16064.

### B. Book chapter/s published:

Name of the Faculty Member	Title of book Chapter	Title of Book	ISBN No.	Publisher
Dr. Charu Dwivedi	Advanced ceramics for energy and environmental applications	Nanostructured ceramics: Role in water remediation	9781003005155	Taylor and Francis
Dr. Arun Kumar	Coinage metal chalcogenides via single source precursors.	Material Science in Semiconductor Processing	978-0-12-820340-8	Elsevier
Dr. Arun Kumar	Applications of green nanomaterials in electronic and electrical industries	Green Nanomaterials for Industrial Applications	978-0-12-823296-5	Elsevier

## Invited Lectures/Papers presented in Conference/Seminar:

- (1) Dr. Arun Kumar, Head (I/C), Department of Chemistry, has been invited to attend an invited international conference on 'Enabling Transition Towards Sustainable Future', to be held (during Sept 08-10, 2022) at Department of Chemical Engineering, I.I.T. Roorkee.

## Students' Achievements, Participation, Awards and Recognitions:



### Ms. Medha Aggarwal

*Indian Institute of Science (I.I.Sc) Bangalore has selected Ms. Medha Agarwal (a student of 2018 batch of integrated M.Sc. chemistry program) for admission in integrated Ph.D. program in which maximum 15-23 students are selected from the country.*



### Mr. Siddhant Singh

*Mr. Siddhant Singh (a student of 2015 batch of integrated M.Sc. chemistry program) has been selected by University of Saskatchewan Canada for admission in Ph.D. program in the year 2021.*



### Dr. Aayushi Arora (Ph.D. in Chemistry)

*After completing Ph.D. at Department of Chemistry, Dr. Aayushi Arora has been successful in securing the position of post-doctoral research associate at Texas A& M University, U.S.A.*



### Mr. Divyanshu Nautiyal

*He is a student of 2018 batch of integrated M.Sc. chemistry program. He has been selected by Bonn University Germany for admission in M.Sc. in the year 2021. He has also joined there.*

1. Ms. Ayushi Arora had successfully defended her doctoral thesis entitled '*Novel Organochalcogen compounds for transition metal catalytic systems: Development and Applications*' under the guidance of Dr. Arun Kumar.
2. Hon'ble Governor of Uttarakhand and Chancellor, Doon University identified Ms. Aayushi Arora among top performing students of Doon University, and provided her an opportunity to visit Raj Bhawan on the foundation day of Uttarakhand



Dr. Aayushi Arora (Ph.D. from Department of Chemistry) with Hon'ble Chief Minister and Hon'ble Chancellor, Doon University



Doon University Students including Dr. Aayushi Arora, Ph.D. from Department of Chemistry, with Hon'ble Vice Chancellor and Additional Chief Secretary

3. Both Ms. Aayushi Arora and Ms. Preeti Oswal (doctoral students) were awarded the RSC Advances Outstanding Student Paper Awards 2021. This award has institutionalized by the Royal Society of Chemistry (RSC), UK. It recognises outstanding work published in the Journal in 2021, for which a substantial component of the research was conducted by the awardees as the students. For this award, over 900 nominations were filed from various countries of the world. These nominations were shortlisted, and the winning papers were selected by the Editorial Board and Associate Editors.
4. Two doctoral students (Mr. Suraj Purohit and Ms. Kavita Mishra) have been awarded highly competitive, prestigious and national level DST-INSPIRE Fellowship for a duration of 05 years for pursuing Ph.D. "*Innovation in Science Pursuit for Inspired Research (INSPIRE)*" is an innovative programme sponsored and managed by the Department of Science & Technology, Ministry of Science and Technology, Government of India for attraction of talent to Science. The basic objective of INSPIRE is to communicate to the youth of the country the excitements of creative pursuit of science, attract talent to the study of science at an early age and thus build the required critical human resource pool for strengthening and expanding the Science & Technology system and R & D base. A striking feature of the programme is that it does not believe in conducting competitive exams for identification of talent at any level. It believes in and relies on the efficacy of the existing educational structure for identification of talent.
5. Some meritorious students of integrated M.Sc. chemistry program have performed exceptionally well in research activities.
6. Ms. Jyoti Rawat (doctoral student) received the Best Poster Award by APA NANOFORUM-2022.
7. Suraj Purohit (CY22S48007123), Devanshu Sajwan (CY22S48004173) & Sanyam Chhetri (CY22S48005056) qualified the GATE/GPAT examination.
8. Devanshu Sajwan (CY802A187), Ayush Badoni (CY802A170), Jyoti Rawat (CY801A150) and Bhoomika Duklan (CY801A044) qualified the IIT-JAM examination.
9. The students from the Dept of Chemistry have participated in Professional Advancement Program on "*The Left, Right and Center in Securing a Patent: What it takes to draft a Claim*" from Nov 26-27, 2021 held at Doon University, Dehradun in Collaboration with Banakar Consulting Services, USA
10. The students of the Department of Chemistry have participated in Professional Advancement Program on "*Understanding Domain of IPR: A Wholesome Perspective*" during March 10-11, 2022 organized at Doon University, Dehradun in Collaboration with Banakar Consulting Services, USA
11. The students from the Department of Chemistry have participated in Professional Advancement Program for Indian Women Researchers in STEM during June 02-03, 2022 organized at Doon University in collaboration with Science and Engineering Research Board (SERB), DST, Government of India.

Other salient highlights including academic/research/collaborative activities:



**Dr. Shailesh Upreti**

He affiliated with the Department as Adjunct Faculty in September 2021. He is the founder as well as Chairman of C4V, USA. *He is a collaborator of Professor Stanley Whittingham, the Nobel Laureate and the inventor of lithium-ion battery technology. He has been an expert in energy storage technology and a former member of the US Department of Energy's Frontier Research Center at Binghamton University in New York.*



**Prof. P. Balaram**  
(*Padma Shri and Padma Bhushan*)

He affiliated with the department as Adjunct Professor in September 2021. He is an internationally renowned scientist and also former Director of Indian Institute of Science (I.I.Sc.) Bangalore. He has been conferred the 2021 R. Bruce Merrifield Award by the American Peptide Society. He has also been the recipient of Shanti Swarup Bhatnagar Award, Padma Shri and Padma Bhushan.

1. Dr. Pankaj Sharma, Full Professor, Instituto de Quimica, National Autonomous University of Mexico (UNAM) joined Department of Chemistry on April 11, 2022 to spend his sabbatical leaves of 06 months (extendable upto 01 year). His joining has not created any financial burden on the University. His visit and association was great honor and recognition for the Department of Chemistry because in year 2022, the National Autonomous University of Mexico ranked 105<sup>th</sup> among the best universities in the *QS World University Rankings*. At the Latin American level, it ranks second only.



**Prof. Pankaj Sharma,**  
National Autonomous University of Mexico (UNAM)

2. Department has initiated the process for establishing formal collaboration with National Autonomous University of Mexico (UNAM). It is the oldest university in North America, as it was founded in 1551. It is the largest university in Latin America and was ranked the best in Latin America, Spain and Portugal. It has over 269,000 students, making it one of the world's largest universities. It has several campuses in Mexico City, as well as many others in several locations across Mexico (mainly aimed at research and graduate studies), and four foreign campuses at San Antonio (Texas, USA), Chicago (Illinois, USA) and Hull (Quebec, Canada). In addition, it is the only university in Mexico with three Nobel Laureates among its former students: Alfonso García Robles (Peace), Octavio Paz (Literature), and Mario Molina (Chemistry).
3. Department is facilitating Prof. Jiben Roy (*Mississippi University for Women, USA*) to join Doon University as a visiting Professor on sabbatical leave. It is quite likely that he will join in September 2022.
4. A two-day workshop on 'Stereochemistry and How to Teach It in 21<sup>st</sup> Century?' was organized on April 19-20. Renowned academician Prof. P.S. Kalsi was the resource person and trainer in this workshop. Prof. Kalsi is the one who was invited by the *Swedish* Royal Academy of Sciences to submit proposals for the award of the Nobel Prize for Chemistry, 1985.
5. Department organized an interactive session of dr. P.S. Kalsi with all the faculty members on the topic "How to teach in 21<sup>st</sup> Century"
6. Department was involved in organizing Two-Days Professional Advancement Program for Indian Women Researchers in STEM during June 02-03 2022. It was a national level program sponsored by Science & Engineering Research Board (SERB), Department of Science and Technology (DST), Ministry of Science and Technology, Government of India.



Prof. Surekha Dangwal (Hon'ble Vice-Chancellor), Prof. Sandeep Verma (Secretary, Science and Engineering Research Board, Department of Science and Technology, Government of India) and Shri Pushkar Singh Dhama (Hon'ble Chief Minister, Government of Uttarakhand) in the Inaugural Session of Professional Advancement Program for Indian Women Researchers in STEM on June 02, 2022

7. Dr. Arun Kumar and Dr. Charu Dwivedi have participated in Professional Advancement Program on "*The Left, Right and Center in Securing a Patent: What it takes to draft a Claim*" from Nov 26-27, 2021 held at Doon University, Dehradun in Collaboration with Banakar Consulting Services, USA
8. Dr. Arun Kumar and Dr. Charu Dwivedi have participated in Professional Advancement Program for Indian Women Researchers in STEM from June 02-03, 2022 held at Doon University, Dehradun
9. The following research articles have been published in national and international collaborations:
  - a. "Organosulphur and organoselenium compounds as emerging building blocks for catalytic system for O-arylation of phenols, a C-O coupling reaction. Dalton Trans., 2022, **51**, 8103-8132" In collaboration with Institute of Nuclear Medicine and Allied Sciences (INMAS), Defence Research and Development Organisation (DRDO), India
  - b. "Single source precursor route for the first graphene oxide-Pd6P nanocomposite: Application in electrochemical hydrogen evolution reaction. Dalton Trans., 2022, **51**, 6537-6542" in collaboration with Institute of Nano Science and Technology (INST) Mohali, Punjab, India.
  - c. "Click chemistry in the synthesis of catalytically relevant organoselenium compounds: development and applications of catalysts for organic synthesis. New J. Chem., 2022, **46**, 14757-14781" in collaboration with Department of Chemistry, Biochemistry and Forensic Science, Amity School of Applied Sciences, Amity University Haryana, and Department of Chemistry, Indian Institute of Technology, Delhi.
  - d. "Polymeric and electrospun patches for drug delivery through buccal route: Formulation and biointerface evaluation. J. Drug Deliv. Sci. Technol., 2022, **68**, 103030" In collaboration with Institute of Nuclear Medicine and Allied Sciences (INMAS), Defence Research and Development Organisation (DRDO), India.
  - e. "SNS donors as mimic to enzymes, chemosensors, and imaging agents. Inorg. Chem. Commun., 2021, **20**, 109140" in collaboration with Department of Chemistry, Biochemistry and Forensic Science, Amity School of Applied Sciences, Amity University Haryana.
  - f. "Complexes of metals with organotellurium compounds and nanosized metal tellurides for catalysis, electrocatalysis and photocatalysis. Coord. Chem. Rev. 2022, **459**, 214406" in collaboration with Institute of Nuclear Medicine and Allied Sciences (INMAS), Defence Research and Development Organisation (DRDO), India.
  - g. "Suzuki-Miyaura Coupling: A Field of Uninterrupted Research Since 1979. Mini-Rev. Org. Chem., 2022, **19**, 549-551" with Department of Chemistry, Biochemistry and Forensic Science, Amity University Haryana (AUH).
  - h. "pH-Responsive luminescence sensing, photoredox catalysis and photodynamic applications of ruthenium(II) photosensitizers bearing imidazo[4,5-f][1,10]phenanthroline scaffolds. Coord. Chem. Rev. 2022, **452**, 214272" In collaboration with Department of Chemistry, University of Petroleum and Energy Studies (UPES), Dehradun.
  - i. "Palladium complex of sulphated Schiff base with *ortho*-vanillin as catalyst for O-arylation of phenol. Mater. Today: Proc., 2022, **48**, 1553-1558" in collaboration with Department of Chemistry, University of Petroleum and Energy Studies (UPES), Dehradun.

- j. “Bioinspired Heterobimetallic Photocatalyst (Ru<sup>II</sup>chrom–Fe<sup>III</sup>cat) for Visible-Light-Driven C–H Oxidation of Organic Substrates via Dioxygen Activation. *Inorg. Chem.*, 2021, **60**, 16059-16064” in collaboration with Department of Chemistry, University of Petroleum and Energy Studies (UPES), Dehradun.
- k. “Organosulfur, organoselenium, and organotellurium ligands in the development of palladium, nickel, and copper-based catalytic systems for Heck coupling. *New J. Chem.*, 2021, **46**, 21449-21487” in collaboration with Institute of Nuclear Medicine and Allied Sciences (INMAS), Defence Research and Development Organisation (DRDO).
- l. “Tellurium-ligated Pd(II) complex of bulky organotellurium ligand as a catalyst of Suzuki coupling: first report on in-situ generation of bimetallic alloy 'telluropalladinite' (Pd<sub>2</sub>Te<sub>3</sub>) nanoparticles and role in highly efficient catalysis. *Catal. Lett.*, 2022, **7**, 1999-2011” in collaboration with Department of Chemistry, Biochemistry and Forensic Science, Amity University Haryana (AUH).

## 6.8 School of Biological Sciences

### School of Biological Sciences (SoBS)



Vision: The School of Biological Sciences (SOBS) will be a leader in acquiring the basic knowledge, fundamental principles, and the scientific theories related to various scientific phenomena of the living world and their relevancies in the day-to-day life.

Mission: The mission of the SOBS is to provide quality education across a broad spectrum of bioscience fields, and to carry out competitive research in specific areas that reflect faculty interests and overall institutional concerns. SOBS is to build capacities in the field of Biological Sciences through degree, certificate course and research programs. The School is committed to undertake cutting edge scientific research in the emerging areas of Biological Sciences.

#### Faculty Members

Name	Designation
Dr. Achlesh Davey, Ph.D., IIT Guwahati	Coordinator (Assistant Professor in SENR)
Dr. Vivekanand Bahuguna, Ph.D., H.N.B. Garhwal University	Guest Faculty
Dr. S.Bhopen, Ph.D., Doon University	Guest Faculty

Number of students admitted in each programme during Academic Session 2016-17 (male & female)

Name of the Programme	Total Seats	No. of Students admitted	No. of Male Students	No. of Female Students
B.Sc. (Hons)/ Integrated M.Sc. Biological Sciences	40	39	07	32

#### Achievements

1. Dr. Achlesh Davey has received the “Best Researcher of the Year 2021 Award” from the Hon'ble Vice Chancellor, Doon University, Dehradun, India
2. Dr. Achlesh Davey has been invited to join the *Water Practice & Technology* (IWA) journal as Associate Editor (April 2022)
3. Dr. Vivekanand Bahuguna appointed as reviewer in the journal *Industrial Crops and Products*, Elsevier 2021.

#### List of Research Publications in Journals:

1. A. Davey, K., Dutta, S. Joshi, A. Davey\* (2021) Sophorolipid: A glycolipid biosurfactant as a potential therapeutic agent against COVID-19. *Bioengineered*, 12 (2), 9550-9560. (IF: 6.83).
2. D. Negi, S. Verma, S. Singh, A. Davey\*, J.G. Lin (2022) Nitrogen Removal via Anammox process in Constructed Wetland - A comprehensive review. *Chemical Engineering Journal*, 473(2), 135434. (IF: 16.74).
3. D. Pandey, A. Davey, K. Dutta\*, K. Arunachalam\* (2022) Bioremoval of toxic malachite green from water through simultaneous decolorization and degradation using laccase immobilized biochar. *Chemosphere*, 297, 134126. (IF: 8.94).

4. M. Chaudhary, A.S. Farswan, **V. Bahuguna\***. Revisiting the Potential of Ayurvedic Medicinal Herbs, Neem (*Azadirachta indica*) and Giloy (*Tinospora cordifolia*) for Prevention against COVID-19. J. Mount. Res. 16(3): 397-409.

### Books Authored/ Edited/Book Chapter

None

### Project sanctioned

None.

Ongoing Research Projects: -

None

### Workshop/Training attended by faculty

NAME OF FACULTY	DATE / DURATION	DETAILS
Dr. Achlesh Daverey	01 – 15 Sept 2021	Completed an online <b>Two – Week Refresher Course</b> in “ <b>LIFE SCIENCES</b> ” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Miranda House, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
Dr. Achlesh Daverey	07 -13 Feb 2022	Successfully completed an online <b>one-week Faculty Development Programme</b> on “ <b>Open Source Tools for Research</b> ” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
Dr. Vivekanand Bahuguna	20-21 Nov 2021	Presented the research paper on the National Conference on ‘Advances in Plant Science Research’ organized by Plantica-Indian Academy of rular development, Dehradun.
Dr. Vivekanand Bahuguna	20-05-20 22	Member of Organizing comitte in the International Biodiversity Day with theme “Building a shared future for all life”,School of Biological Sciences, Doon University
Dr. S. Bhopen	20-11-2021	Participation in the International webinar on FuSe: A Tool for Functional Analysis of RNA-Seq Data” organized by Centre of Excellence in Health Care Technologies and Informatics (CEHTI), Department of Biotechnology and Bioinformatics, JUIT
Dr. S. Bhopen	26-10-2021 to 28-10-2021	Participated in the International conference on Ecosystem Restoration and Environmental Sustainability: Concerns and Alternatives” organized by Indira Gandhi Centre for Human Ecology, Environmental and Population Studies, University of Rajasthan, Jaipur

Dr. S. Bhopen	Oct-Dec, 2021 05-01-2022 to 07-01-2022	Participation in the Genomics for Health” organized by ICMR-NIRTH, Jabalpur Biotechnology: The Road Ahead: International Symposium and Bio-Entrepreneurship Competition” organized by Netaji Subhas University of Technology, Delhi Technological University, and Biofootprints.
Dr. S. Bhopen	28-02-2022	Participated the National Science Day Symposium (NSDS 2022)” organized by Jaypee University of Information Technology, Waknaghat, Solan, HP
Dr. S. Bhopen	30-03-2022 to 31-03-2022	Completed the Recent approaches in plant sciences (RAPS-2022)” International conference organized by Department of Botany, University of Education, Lahore.
Dr. S. Bhopen	20-05-20 22	Member of Organizing comitte in the International Biodiversity Day with theme “Building a shared future for all life”,School of Biological Sciences, Doon University
Dr. S. Bhopen	26-05-2022	Successfully completed the workshop on Innovative Applications of Metagenomics Data Analysis in Life Sciences” organized by Centre of Innovation, Incubation and Entrepreneurship (CIIE), Babasaheb Bhimrao Ambedkar University, Lucknow
Dr. S. Bhopen	14-06-2022	Participated in webinar on NEP 2020- Credit Mobility & Academic Bank of Credit” organized by UGC- HRDC and JNV University, Jodhpur.
Dr. S. Bhopen	17-06-20 22	Participated in webinar on Sustainable Uses of Biodiversity: Entrepreneurship Opportunities under the aegis of Plant Biodiversity Board

## Papers presented in conference/seminar/ Invited Lecture

1. Dr. Achlesh Daverey delivered an invited talk on “Sohorolipids induced phytoremediation of heavy metal contaminated sites” 3<sup>rd</sup> International Conference on Bioprocess for Sustainable Environment and Energy (ICBSEE-INDIA-2022) held at NIT Rourkela, India on 20-24 June 2022.
2. Dr. Achlesh Daverey delivered an invited talk on “Utilization of pine needle biomass for environmental sustainability” at National Conference on Society, Environment and Sustainable Development (NCSESD-2022) held at Government College Nagrota Bagwan, Kangra, India during March 16-17, 2022.
3. Dr. Achlesh Daverey delivered an invited talk [virtual] on “Valorization of waste pine needles for environmental remediation” at International Conference on “Current Trends in Waste Treatment, Reuse & Valorisation” held at Sandip University, Nashik, India on February 25-27, 2022.
4. Dr. Achlesh Daverey delivered an invited talk [virtual] on “Valorization of waste biomass as biochar to enhance phytoremediation of metal contaminated soil” at International Conference on “Advances in Energy, Environment for Sustainable Development” (AEESD-2022) held at Siksha 'O' Anusandhan (Deemed to be University) Bhubaneswar, India on January 7-8, 2022.
5. Dr. Achlesh Daverey delivered a talk on “SARS-CoV2 in Wastewater: Challenges for Developing Countries”

at International Exchange on Monitoring of SARS-CoV-2 in Wastewater, organized by GIZ under the Indo-German Development Cooperation project “Support to Ganga Rejuvenation” (SGR) in cooperation with National Mission for Clean Ganga (NMCG), India on 11-12 November 2021.

6. Dr. Vivekanand Bahuguna presented the paper on National Conference on 'Advances in Plant Science Research-2021' organized by Plantica-Indian Academy of rular development, Dehradun on 21-22<sup>nd</sup> Nov. 2021.

## Workshop/Training Organized by SoBS

1. The SoBS in collaboration with School of Environment & Natural Resources, Doon University celebrated “International Biodiversity Day” on the theme “Building a shared future for all life” at Doon University on 20<sup>th</sup> May 2022.

## Student Achievements:

1. Riya Bhatt- Winner of Inter-University Photography competition organized by School of Environment & Natural resources (SENR), Doon University.
2. Student team group (Riya Bhatt, Navya verma, Mayank Joshi, Devashish Bhatt, Amisha Ramola, Meenal Zainab, Siddhi Suman, Aditi Burnwal)- Winner of Inter-University Graffiti workshop organized by School of design, Doon University.
3. Nidhi Kashyap, Devashish Bhatt, Riya- Winner of Poster making competition organized by School of Environment & Natural resources (SENR), Doon University.

## Any other achievements:

1. Dr. Viveknand Bahuguna submitted DNA sequences on NCBI GenBank submission Accession No. ON627832, On627833

## 6.9 Centre for Public Policy

The Centre for Public Policy gratefully acknowledges the patronage and guidance provided to this Centre, as an autonomous institution anchored in the School of Social Sciences, by its successive Vice Chancellors Prof. Girijesh Pant (19 Jan, 2009 - 18 Feb, 2012) and Prof. V.K. Jain (5 March 2012 onwards) respectively. While Prof. Pant was responsible for persuading the current occupant of the NTPC Chair Professor to accept the responsibility of steering the Centre, after his departure it was Prof. VK Jain who has taken an equally keen interest in its progress. Both the Vice Chancellors and the Registrar, B.M. Harbola have ensured that minimal time of the Chair is spent in matters administrative and financial which are entirely served through the existing mechanisms of the Registrar's and Finance Controller's offices. Accordingly, the State of Finance, as reproduced in these Reports is as made available by the Office of Finance Controller of the University.

The Centre has been allowed complete autonomy in its academic pursuits and functioning unfettered by the much-maligned red-tape. The NTPC Chair has steered the Centre keeping in mind the Vision that appears at the very outset of these Reports, making Higher Education discharge its social contract both with the larger society and the State.

The Centre also records its deep gratitude to all the Faculty members of the University, PhD Candidates / other Research Fellows and Volunteer - Students for their academic involvement and close engagement with the Centre's

various initiatives; the University Administrative Staff for its unstinted co-operation and help and finally the Faculty and staff that has had occasion to be serving the Centre, in whatever capacity. The Centre looks forward to be a key player in the endeavours of the University to become a major Centre of Excellence in many disciplines of Higher Education, Action-Research and related field both in the state of Uttarakhand and the World.

The Centre also renews its request for support of one and all to help it become a Centre of Excellence in the fields of Sustainable Mountain Development & Public Policy as it enters its second phase of internal consolidation and out-reach, during the next two years (2015-16 and 2016-17).

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## Vision

To engage higher education institutions more intensively than before with wider society and contribute to the local and regional development and provide intellectual leadership to society.

Approach Paper Twelfth FY Plan: Chap 10

This is the Fifth Annual Report of the Centre for Public Policy ever since the 12<sup>th</sup> Executive Council was informed of the decision of the present Chair's acceptance to steer the Centre (26th May, 2011), in an honorary capacity. Previous two published Annual Reports recount the spontaneous evolution of the Centre's various activities, including certain completed sponsored projects, and a conscious decision to pursue an 'action research' approach, as the Chair had professionally been a 'practitioner' and not an academician by choice. Among other things this approach has mainly helped the Centre in nearly finalizing both its areas of main focus, as well as its administrative and work-architecture. Accordingly, its slightly altered reporting format has been followed, which also accommodates its former areas of activities.

In the main, the process followed during the previous four years has helped the Centre both to align its present focus with the Vision it had set itself for, as well as the international, national and sub-national policy frameworks-as would be discovered in subsequent narrative. However, to re-iterate, as the Centre and its Host-University remains anchored in a predominantly mountain state, its policy related endeavours are primarily aimed at to help and assist, the host state of Uttarakhand primarily, and all other 8 North-eastern States and 3 Hilly States –to use the NITI Aayog parlance (Role of NITI Aayog, 30 November, 2015: Consultation with the States). In one sense, this justifies the approach that has been followed so far, and equally, what is now proposed to be done in the ensuing years. It arguably, also makes this Centre as the only Centre which has deliberately designed to assist its host-state in an era when there is no Planning Commission at the Centre and the Centre-State relations are avowedly to be developed on the lines of Co-operative Federalism, to speak the Government of India language and follow the course that has been shared at the First National Consultations, organized by the NITI Aayog, alluded to above.

With some benefit of hind-sight, in its fifth year, the 'action research' approach followed by the Centre could possibly be said to have consisted of the following three components, viz.,

(i) creation of 'space for mountains' in the policy formulation domain; it commenced with the constitution of a Working Group on Mountain Ecosystems and Challenges faced by the People living in the Hilly Areas, towards the

very fag-end of the preparatory phase of the preparation of the Twelfth Five Year Plan (2012-17), consequent upon meeting of some MPs from the mountain states with the Deputy Chairman, Planning Commission, Montek Singh Ahluwalia, constitution of such a Working Group, and inclusion of its recommendations in the crafting of the Twelfth Five Year Plan. Efforts of this Working Group later became the inaugural publication of this Centre (A Panning Framework for the Mountain States of India, (Jan, 2012), see About the Foreword by Prof Girijesh Pant, VC, Doon University); this also manifested itself in creation of a 'Mountain Division', in the Nodal Agency of the nodal Ministry for 'mountains' in India, namely the Ministry

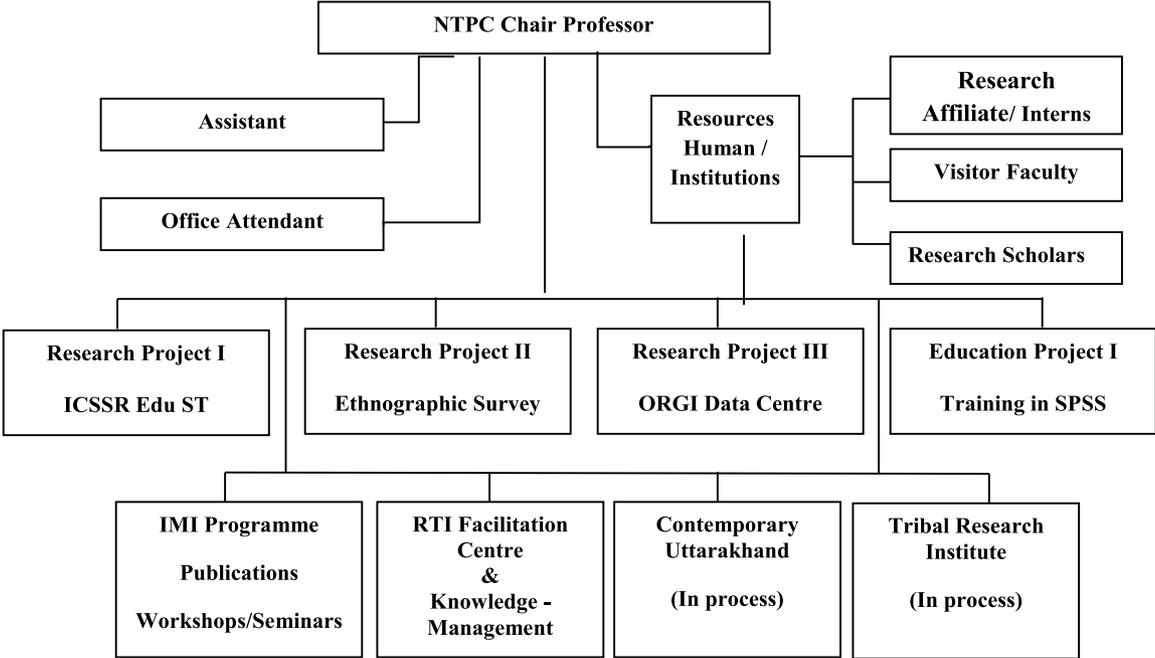
of Environment & Forests and Climate Change - the GBPIHED, and lately, now 'A Cell for Hilly and North Eastern States', in the newly constituted NITI Aayog (see PPT, Role of NITI Aayog: Consultations with the States; Operationalization of Engagement; 30<sup>th</sup> November, 2015, Vigyan Bhawan, New Delhi); and a Working Group on North Eastern States and Hill States, on 23<sup>rd</sup> December, 2015 by NITI Aayog, Government of India.

(ii) providing 'institutional memory' by sharing recommendations that have ever been officially made for sustainable development of mountain regions of India, including follow-up of some of the recent recommendations made by the apex planning bodies of India. This was ensured through sharing of recommendations made by Committee on *Restructuring of Centrally Sponsored Schemes (CSSs)* (BK Chaturvedi Committee, Sep 2011) or *Demise of Planning Commission : implications for Mountain States* or *Safer and Sustainable Mountains*, at various events e.g. Sustainable Mountain Development Summit III, held at Kohima, Nagaland (25-27 Sep 2013) and Meet of the Mountain States III, New Delhi, 10-11 Dec, 2014, and SMDS IV, held at Itanagar, Arunachal Pradesh, 7-9 October, 2015, respectively, with senior national and international bodies connected with mountain development; or proceedings of national events connected with mountain –development ( Indian Mountain Cities and National Workshop on Mountain Cities; held at Mussoorie, 19-20 Jan, 2014); or compilation of status papers on themes of public importance e.g. on Compensating Mountain States (March, 2014) Demise of Planning Commission (October, 2015). These documents have been widely shared, used by majority of mountain states in their presentations, at various forum, in particular during NITI Aayog Sub Group deliberations and NITI Aayog meetings, are beyond doubt and the latest Working Group Draft Report also provides final evidence that their timely publication and wide distribution, followed by consistent advocacy, has served the desired purpose, and

(iii) triggering 'action by stake-holders' particularly informed individuals, professionals and regional, national and sub-national entities via state governments, NGOs and civil society organizations, though informal, formal and registered bodies in shaping appropriate policy parameters and a more tangible and favourable environment for mountain regions/states of the country has indeed been a most noticeable development in contemporary times, in which the Centre has played a significant and critical part.

Sustained efforts on all these three fronts resulted in the Centre taking up a pro-active role in sensitizing the host-University and the host-Government about the funding opportunities that had been initiated through the second National Mission on Mountain Studies (NMMS, MoEF & CC) through organizing brainstorming sessions and even holding hand-holding sessions with several departments and organizations. While this pro-active action has benefitted both the host University as well as a majority of mountain states, it has also helped the Centre considerably in both crafting of its administrative and work-architecture, manifest in its rubric 'Safer and Sustainable Uttarakhand'. As would be observed this has not only validated the 'action research' approach followed so far but also helped the Centre think-through what it needs to focus on and follow-through. It also has provided the Centre an Advisory Committee to steer its future course, of course suitably augmented and strengthened, as the Centre assumes more responsibilities (communicated to the Competent Authority vide CPP/NTPC/321/DU/2016 Dated 22/01/2016).

### Administrative Set-up



## 7. Doon University Library

### About the Library:

The Central Library of Doon University has been playing a vital role in supporting, teaching and learning activities of the University. The Library has a rich collection of knowledge resources in both physical and digital formats across a broad spectrum of disciplines studied at the university. The Library is committed to helping the academic community with their information need and keeping them abreast with the latest development in their area of interest.

The library is using the latest version of the Open Source Library Management System (LMS) for its housekeeping operations and services. The RFID technology implementation work is also started and fixing tags on books is under process. The library premise is covered with CCTV surveillance and Wi-Fi internet connectivity is also provided to the users.

### Progress during the period April 2021 to March 2022

The library made significant progress during the period. On 31st March 2022 besides holding a print collection of 33598 Books, 69 periodicals, 125 CDs, and 538 dissertations/projects, the library is also providing access to more than 6000 online journals.

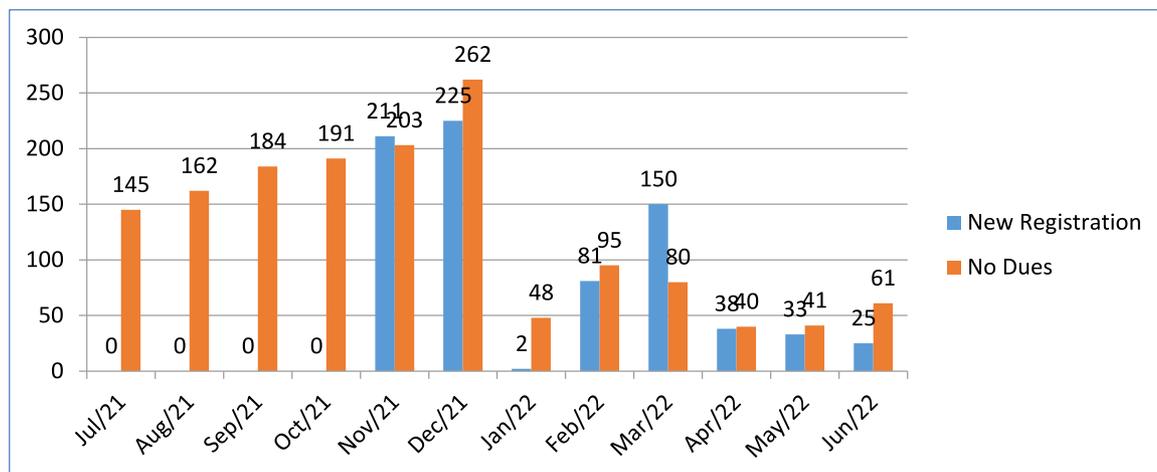
### Collection Development during the period of 1 April 2021 to 31 March 2022 (Financial Year)

The Library has purchased 4006 books related to the course studied at the University, and 29 books related to the different competitive exams. The library received 55 books through gifts. The details of the other documents are as follows:

Sl. No	Collection	Total collection as on 31 March, 2021	Added During the financial year 2021-2022	Total collection as on 31 March 2022
1	Books	29592	3996 + 10 e-book	33598
2	Competitive Exam books	719	29	748
3	Book bank	2266	00	2266
4	Gifted Books	2504	55	2559
5	Periodicals	74	-5	69
6	E-Journals subscribed	1370	No	1370
7	E-Journals Though ESS	6151	Renewed all	6151
8	Bound Journals	557	00	557
9	CD/DVD	125	00	125
10	Dissertation/ Projects	503	35	538
11	Maps	20	No	20
12	Newspaper	17	Renewed all	17
13	Uttarakhand Collection	1393	No	1393

(The total collection of the library as on 31<sup>st</sup> March 2022)

**New Registration (Membership) and No Dues:** In the academic year 2021-22, a total of 765 new registrations for library membership have been made, and a total of 1512 Library clearance for different purposes has been provided to the users.



### Books Issue/Consulted Details of different section of the Library:

The Library has been using Library Management Software for its housekeeping operations; the transactions of books are also done using the LMS with the integration of Barcode technology. The following table depicts the month-wise check-out/check-in, and consultation in circulation and reference section of the library. The highest numbers of books were issued in April 2022, followed by March 2022.

Sl. No	Month	Issued			Returned		
		Check Out circulation	Check out/ Consultation Reference Sec	Total Issued	Check In circulation	Check In Reference (same day)	Total
1.	July-2021	99	Covid-19	99	109	Covid-19	109
2.	August-2021	262	Covid-19	262	292	Covid-19	292
3.	September-2021	451	Covid-19	451	568	Covid-19	568
4.	October-2021	1382	Covid-19	1382	1016	Covid-19	1016
5.	November-2021	2015	11	2026	1883	11	1894
6.	December-2021	1793	173	1966	1891	173	2064
7.	January -2022	242	28	270	432	28	460
8.	February-2022	1460	118	1578	1007	118	1125
9.	March -2022	2193	401	2594	2555	401	2956
10.	April -2022	2209	511	2720	2188	511	2699
11.	May -2022	1770	287	2057	2294	287	2581

12.	June-2022	1589	302	1891	2192	302	2494
	<b>Total</b>	<b>15465</b>	<b>1831</b>	17296	<b>16427</b>	<b>1831</b>	18258

### Average Issued:

- Average Number of books issued (per day) from Circulation Section =  $17296 / (365-52-24) = 59.84$  Books
- Average Number of books returned (per day) from Circulation Section =  $18258 / (365-52-24) = 63.17$  Books

### E-Journals access in the Library:

To provide the latest research development on different subjects the library subscribes to many e-journals and also receives many journals through ESS consortia. The following table shows the details of the e-journals accessible in the Library.

Sl. No	Name of the Publisher	Received Through	No of Titles
1.	Sage	Subscribed by the Library	21
2.	NISCAIR	“	07
3.	Indian Academy of Science	“	02
4.	Cambridge		253
5.	Taylor and Francis (not of ESS)		1078
6.	Economic and Political Weekly	Received Through ESS	01
7.	JSTOR	“	2583
8.	Springer link	“	1700
9.	Taylor and Francis	“	1079
10.	Wiley-Blackwell	“	915
11.	American Institute of Physics		19
<b>Total</b>			<b>7658</b>
1.	ISID		Database
2.	JCCC (J-Gate)		Database

### Usage of E-Journals: Download/Searches

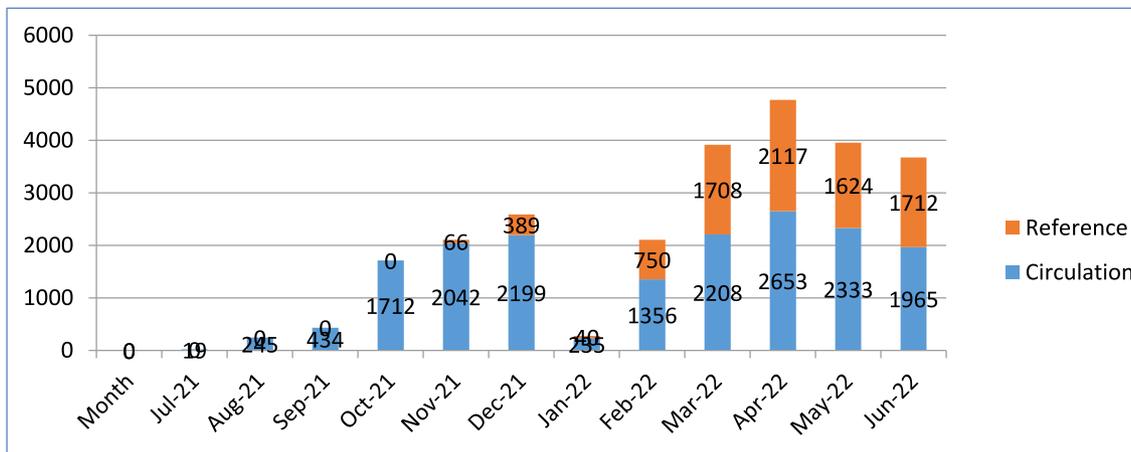
The Library successfully provided online access to e-journals procured by the Library and received through UGC - INFONET. Following are the title-wise usage (Download/search) statistics of the journals receive through ESS. The usage was highest in May 2022(2004) followed by April 2022 (1942) and June 2022 (1715). The JSTOR is the most used database among the journals receives through ESS.

Resource	JSTOR	Springer Link	Taylor & Francis	Wiley-Blackwell	American Institute of Physics	Nature	Taylor & Francis (subscribed)	Cambridge (subscribed)	Total
JUL-2021	59	138	70	51	5	22	592	372	1309
AUG- 2021	210	179	102	33	4	7	348	574	1457
SEP- 2021	302	151	54	24	-	9	251	364	1155
OCT- 2021	159	122	77	44	-	18	391	337	1148
NOV- 2021	132	117	66	24	2	5	-	353	699
DEC- 2021	169	143	84	63	11	10	-	349	829
JAN- 2022	225	919	85	88	36	59	-	-	1412
FEB- 2022	454	673	89	114	15	41	-	-	1386
MAR- 2022	500	732	175	172	20	35	-	-	1634

<b>APRIL-2022</b>	586	1007	133	147	26	43	-	-	1942
<b>MAY-2022</b>	524	985	235	164	69	27	-	-	2004
<b>June-2022</b>	536	763	195	183		38	-	-	1715
<b>Total</b>	3320	5166	1170	924	188	276	1582	2349	14975

### Footfall in the Library:

The chart shows the month-wise average footfall in the different sections of the Library; the data indicate that before and during the semester exams, the library is very actively utilized by the students. On average 89 users (17401+8406=25807/289 (365-52-24)) visited the library each day between the June 2021 to July 2022 period.



### Technical processing of Books:

Technical processing work of all the procured books and gifted books till 31st March 2022 was completed which include verification, accessioning, classification, assigning subject heading, data-entry on LMS, barcode generation, stamping and labeling of barcode and spine label.

### Anti-Plagiarism detection details:

The Library has been providing the Anti-Plagiarism software URKUND service to all the faculty members and research scholars of the university to check the similarity status of their academic papers and checking of the PhD thesis before the final submission. Following data shows the monthly details of the similarity checking.

Data of the Documents check for plagiarism

Sl. No	Month	Similarity check through Plagiarism Detection Software
1.	July-2021	71
2.	August-2021	41
3.	September-2021	45
4.	October-2021	07
5.	November-2021	13
6.	December-2021	21

7.	January -2022	08
8.	February-2022	08
9.	March -2022	20
10.	April -2022	04
11.	May -2022	01
12.	June-2022	13
	<b>Total</b>	<b>252</b>

## Book Bank:

The Book Bank facility is optional in nature, and there is no compulsion for any student to take a book(s) from the Book Bank. At present, only two books at a time will be issued to each student for a maximum period of 3 Months on a first-come, first-served basis. For issuing a book from the book bank, a student is required to pay 10% of the cost of the book (non-refundable) at the time of issuing the book. This year in the period of July 2021 -June 2022, a total of 17 books were issued to the students, and a total of Rs. 1152/= (Total of Eleven Hundred Fifty-Two Rupees) was gathered by issuing books from the Book Bank.

## Significant developments during the period

### Remote Access through Mobile App:

The Library has started using an app-based remote access solution. MyLoft (My Library on figure Tips) is a tool for creating your personalized Library, which is configured into a single APP. The APP is sensitive to professional and personalized content over a single mobile and web app. The MyLoft app enables a user to discover, access, organize, and save the subscribed e-Resources and digital content of interest anywhere, anytime. There is no need to remember passwords or log in multiple times to access e-Content. This app-based solution provides all the access through a single login credential.

A workshop on how to utilize the MyLoft application for the access different library resources is also organized for the research scholars.



## Institutional Repository:

The Library is regularly updating its Institutional Repository by uploading different documents. The work of uploading the documents includes; the selection of the documents, scanning the documents, cropping, uploading, metadata creation, access rights etc.

Access to these documents is provided to the users through, University INTRANET. The work of uploading more documents is in progress. The Institutional Repository is hosted by the library on its server. A total of 1714 documents have uploaded so far on the IR.

## Website of the library:

The Library has developed its website on the Open source software WordPress to provide all the information and latest news about the library. The website is important in terms that it is developed in-house without spending any money on anything. The information on the website is updated from time to time and links to different platforms like Library Management Software, Institutional Repository, and Remote Access facility MyLoft are also provided on the website to make it a single access portal. One can find detail information on resources, services and open-access resources on the website.

## Doon University Vidwan database

The VIDWAN is the premier database of profiles of scientists/researchers and other faculty members working at leading academic institutions and other R & D organizations involved in teaching and research in India. It provides important information about the expert's background, contact address, experience, scholarly publications, skills and accomplishments, researcher identity, etc. The database was developed and maintained by Information and Library

## Network Centre (INFLIBNET).

Sensing the need for such a database for the Doon University faculty members, the Central library approached the INFLIBNET for the Vidwan service, and now with the help of INFLIBNET, it has developed and maintaining the Vidwan database of the Doon University.

## Doon University IRINS

IRINS is web-based Research Information Management (RIM) service developed by the Information and Library Network (INFLIBNET) Centre. The portal facilitates the academic, R&D organisations and faculty members, and scientists to collect, curate and showcase scholarly communication activities and provide an opportunity to create a scholarly network.

The Central Library has initiated to development of IRINS-Doon University. Now Doon University has its IRINS portal, where academic, Research and Development activities and Research output; are of almost all the regular faculty members on a single platform.

## Books from Embassy of Dominican Republic

His Excellency Ambassador David Puig, Ambassador, Embassy of the Dominican Republic in India has donated books related to the history culture and society of the Dominican Republic to the Central Library. The books are considered important by the Department of Spanish Studies as they will provide more insight into the country to the students studying the Spanish Language.

The event was organized through online mode on Monday, 7 March 2022, with his Excellency Ambassador David Puig, Ambassador, Embassy of the Dominican Republic in India and Ana Ferrand, First Secretary, Embassy of the Dominican Republic in India and Dr Chetana Pokhriyal, Coordinator, SoL, Dr Ashish Kumar,

University-Librarian and faculty members of Department of Spanish Studies, SoL, Doon University remain present.

The Prominent books List of Books to be donated:

- Levente no. Yolayorkdominicanyork by Josefina Báez
- La Trilogía de los Festivales by Frank Báez
- Chapeo by Joan Mijail

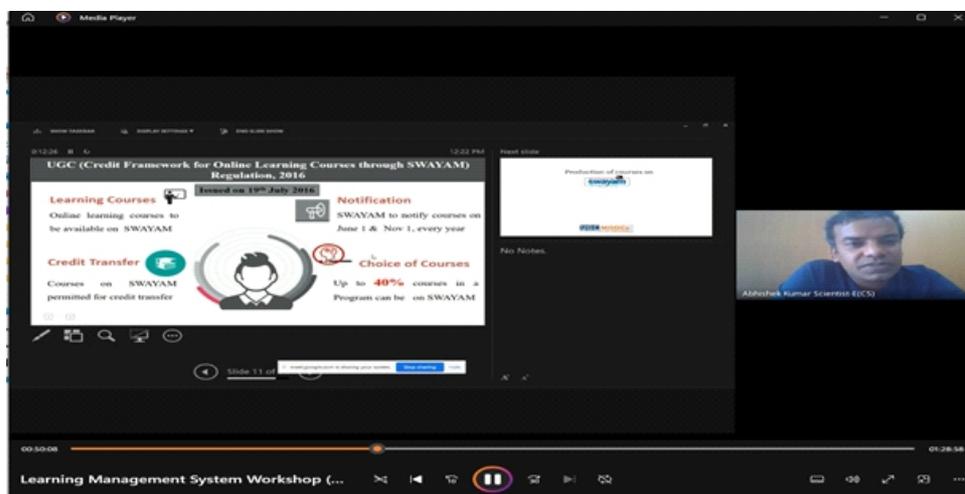
Paradoja identitaria y escritura poética: (Conferencias) by José Marmol



## Learning Management System Workshop

Implementation of LMS is considered an important aspect nowadays, and it is one of the parameters in NIRF, NAAC and NEP.

An online workshop on "how to implement the LMS in the university" is organised on 4.3.2020 (Friday) from 11:30 AM. Dr Abhishek Kumar, Scientist- E was the resource person of the workshop and his team members from the Information and Library Network (INFLIBNET), Inter-University Center- UGC Gandhinagar has taken different technical session to guide faculty members on how they can utilize the LMS in their academic courses.



## 8. Facilities At Doon University

### 8.1 Hostels:

Doon University is a residential university. Students are expected to stay in the Hostel unless permitted otherwise. The students are encouraged to stay in the Campus as they will be required to participate in group discussions and attend tutorials after the regular classes are over which will help the student to clarify any doubts in the courses and improve their interpersonal and communication skills. There are separate hostels for Girls and Boys to accommodate 250 and 225 students, respectively. The hostels are provided with modern facilities such as solar heating system, internet facility, reading room, etc. All students residing in the Hostel are to abide by Hostel and Cafeteria Regulations/ Rules. The WiFi facility has been upgraded in both boys & girls hostel in the current academic session.

### 8.2 Social Empowerment Cell/Equal Opportunity Cell

A social Empowerment Cell of the University was inaugurated on November 17, 2011. The mandate of the cell is to provide free coaching to internal candidates belonging to the Scheduled Casts and Scheduled Tribes and minorities. Later, its facilities will also be extended to external candidates. The Cell is offering remedial coaching in written and spoken English and basic computer skills. Coaching is also being provided to candidates preparing for various States, Central examinations and NET.

### 8.3 Placement Cell/ Corporate Resource Cell

The Corporate Resource Cell/ Placement Cell has been established for empowering and making special provisions for providing employment and career opportunities to all the students of School of Management. The cell is fully equipped with all technological support and organizes various Corporate Workshops to enhance employability skills for the students. The CRC has a databank of top 15000 companies in India. This session all the students of MBA first year were placed in various live projects during the winter break.

### 8.4 IPR/Patent Cell

University has established an IPR cell in collaboration and financial assistance of Uttarakhand State Science and Technology Council (UCOST) to provide information, orientation, and facilities to faculty and researchers of the University for protecting the product of their intellectual power. The cell would also be able to guide the researchers on the procedure to filing and obtaining patent. It will also organize IPR awareness programmes in collaboration with UCOST in its campus. Doon University is striving to become a platform for development and transfer of technical competence in the area of research and academics to meet the changing needs of society at large.

### 8.5 Computer Centre

Doon University has established state-of-the-art Computer Centre with 40 computers with the financial support from UGC, New Delhi. The computers are loaded with print media software, latest version of statistical software like Statistica, SPSS and GIS software such as ERDAS Imagine and ARC/INFO. In addition to the central computer facility, each school has its own computer facility to meet the day-to-day requirements of teaching and research.

### 8.6 Data Center

Data Center has been established at Doon University with the financial support of Directorate, Censes. 6 high speed computers with servers will be installed in Data Center. The center will provide all the data of the state to the students, researchers and faculty free of cost for the research purpose.

## 8.7 Language Lab

University has established three multimedia language lab equipped with 20 system each loaded with Rovotel software and hardware for having broadcasting and conferencing for different language students. Various electronic resources can be used to enhance the learning skills in foreign language.

## 8.8 Sport Facility

Doon University stands committed to provide infrastructure and financial support for sports facilities for students. The university has its sports club to run sports activities, which is regulated by a sports committee comprising of faculty and students. A modest beginning has already been made in this direction by providing students with multi sports complex for Cricket, Football, Basket Ball and Lawn Tennis. Some indoor games such as Table Tennis, Carom, Chess, and Badminton have been provided in both Girls and Boys hostels. Two modern state of art Gymnasium have also been set up in both the hostels. A multipurpose hall with wooden floor for badminton and other indoor games has been developed. The existing cricket pitch was recently modified with help of professionals. The University encourages participation of students in sports and game.

## 8.9 Medical Facility

An MBBS Doctor visits University campus everyday between 5-7 PM in Faculty Lodge.

## 8.10 Bank Facility

Doon University has a small outlet of Punjab National Bank (PNB) in the University campus. Twenty four hour service of PNB and HDFC ATM counter is also available in the campus for the students, faculty and staff members.

## 8.11 Day Care Centre

University has established a Day Care Centre with the financial assistance of UGC. The Day Care Centre is located in one of the flat in the ground floor of Warden House Complex and is equipped with facilities such as space for dining, activity room, rest room etc. Both faculty and staff of the University can make use of the Day Care Facility on payment basis. At present three children in the age group of 6 months to five years are making uses of the Day Care Facility. One Governess and one helper are taking care of the children in Day Care Centre.

## 8.12 Faculty Lodge

University has a 60 twin room suit located inside the University Campus for the Adjunct faculty, Visiting Faculty and any other guest visiting Doon University. The faculty lodge also has a Modern Cafeteria/Mess serving hygienic and healthy food to faculty, students and guests. And international guest house with all modern amenities will start functioning in the University campus in future.

## 8.13 Post Office

Space for the post office has also been provided in the University campus to facilitate students, faculty and staff members.

## 9. Co-curricular Activities

### 9.1 Cultural Activities:

A lot of cultural activities were organized during the year.

#### November 2021

- VOW-Mantrana Debate

Tanisha Rawat, Maneesha Negi and Ashutosh Srivastava **made it to the top 20** among 100 participants all over the country.

#### December 2021

- Turncoat Debate, Sri Venkateshwara College  
Tanisha **qualified** for the Preliminary round

#### January 2022

- YUVA-2022, Pantnagar University  
In the event for Doon University, Tanisha Rawat **secured 1st position** in the English Debate. Tanisha and Maneesha **won the team prize** in English Debate. **Best Hindi non-verbal** was awarded to Rohit Singh Rawat.
- Turncoat Debate Competition, Atma Ram Sanatan Dharma College. Delhi University  
Tanisha Rawat **bagged the first prize** (best speaker) in the event.

#### February 2022

- Governors House, Dehradun  
Tanisha Rawat **won 2nd prize** in the event
- District Youth Parliament  
Rohit Rawat from Doon University **secured 1st position** securing a place in the state parliament.

#### March 2022

- Aligarh Muslim University, International Debate Competition  
Doon University bagged a number of positions in the event, with every participant bringing the glory home. The **best speaker** was awarded to Ayush Royal. **Second best Hindi team** (Ayush and Rohit). **Third best English team** (Vidushi and Tanisha).

#### April 2022

- DAV (PG) National Speech Competition  
Maneesha Negi **secured 1st position** (overall event). Tanisha Rawat **secured 1st prize** in her category (categories were divided based on topics as it was a chit system- random sampling)

## 9.2 Sports Activities:

The Year was affected by Covid from March to October, 2021. After that, a few sports activities were undertaken as follows:

### A. Inter School Trials for AIU Tournaments, Doon University

Event	Gender	Number of participant
Football	M	70
Basketball	M	40
Basketball	W	32
Volleyball	M	52
volleyball	W	32
Table Tennis	M	15
Table Tennis	W	12
Badminton	W	12

### B. North Zone, AIU December, 2021 Onwards

Event	Gender	Number of participants
Football	M	16
Basketball	M	13
Basketball	W	13
Volleyball	M	13
volleyball	W	13
Table Tennis	M	6
Table Tennis	W	4
Badminton	W	4

### C. Other Sports Activities

COSCO Cricket Tournament; Doon University Students Vs Staff, Dated 3.3.2022

## 9.3 Placement Cell:

### Placement Cell Overview

The PLACEMENT CELL at Doon University was established in the year 2011 with an objective to enable skill development & enhance the employability of students across various programmes offered by the University. The objective of the Placement Cell is to ensure a strong Industry-Academia Interface for necessary inputs in Curriculum Development, Teaching Pedagogy, Industry Projects, Summer Internships and Final Placements.

To ensure a smooth and transparent process for the students as well as companies, some important measures were taken. Firstly, data about employing companies from the internet was searched from various job portals for various programmes being offered by the University. This exercise was done to jot down various prospective employers vis-à-vis programmes offered by the University. Various emails were sent to contact the prospective employers, briefing them about the University profile and various programmes offered by the University. However, the response was bleak but the process of bridging with prospective employers continued with enthusiasm started and today the Placement Cell has a pool of over 25 best employers in the Country.

To encourage employability, there is a strong culture of experiential learning and students supplement their academic learning with practical insights from the corporate world. Placement Cell hosts various workshops on Personality Development and Employability to facilitate a comprehensive learning curve for the students. This is truly reflected in the dominance of our students in the best and the most corporate houses in the country as well in Govt. Sector Exams

## Placement Cell Structure

University has a Central Placement Cell which caters to the job requirements of various schools for internships, final placements and any other work project/task concerning employability of students. The Central Placement Cell facilitates various Campus Placement Drives for all Schools and also extends necessary support for pre-placement sessions and necessary process documentation wherever required. Central Placement Cell since inception is being headed by Sh. Shiv Kumar Dadar, Associate Professor, School of Management since incept. Each School has designated one faculty member for the Central Placement Cell for co-ordination and other placement activities. However, each School also has its own Placement Unit comprising of Faculty Members and a selected few student who work in tandem with Central Placement Cell for various placement related activities. The School's Placement Unit is the primary contact centre for the students of the respective school for all placement related needs.

## Placement Process

The Central Placement Cell keep approaching various Companies & Organisations all throughout the year but major thrust starts with July onwards each academic year for final placement of the students. This activity involves sending emails about running batches, students profile and other facilities that University can extend for facilitating placements. Students in the final year are advised to prepare their Resumes/ Curriculum Vitae and keep it ready in soft and hard copy as well. Actual Final Placements starts from November onwards each academic year and goes up till May placing students in various companies and organisations.

In response to requirements from specific schools, Central Placement Cell also facilitates Summer & Winter Internships for students across various Corporates, and NGOs. With respect to School of Management, special sessions are being organised for better Summer Placements and students are well-guided and encouraged to perform well in their Internships to bring pre-placement offers from their concerned organisation.

Summer Placement Process starts from January of every calendar year and goes until May for Management Students only. Students are given request letters from Head of the Department and wherever endorsement/ intervention of the Central Placement Cell is required it is willfully extended to the concerned student.

Central Placement Cell also organises pre-placement talk in case concerned organisation agrees for the same so that students are well versed with culture, growth, perks and opportunities existing within the concerned organisation.

## Generic Flow Chart: Placements

The following process is generally adopted by most of the employers visiting Doon University for Final Placements. However mid-size companies only go for group discussion and final interview.

### STEP 1:

Senate Hall of the University is utilised for this purpose. It is fully equipped with multi-media projection and audio

system and has a sitting capacity of approx 200 students.

**STEP2:**

Central Computer Lab and SOM, Computer Lab are being used for Conducting this test. This test consists of basic maths, English and logical reasoning questions.

**STEP3:**

For this round again Central Computer Lab and SOM, Computer Lab are being used for Conducting this test. This test consists of questions pertaining simulation of job role for which student is being hired.

**STEP4:**

Conference Hall and Placement Cell Office is being utilised for this purpose. This round is to check team leadership, personal insights, knowledge base and confidence of the student.

Normally, results are announced the same day or the next working day following final round day. Results in written are sent to concerned HODs by the Central Placement Cell of selected students.

## 9.4 Zero Tolerance to Ragging

- Display of anti-ragging squad members' contact information on the notice boards of all the hostels, departments, administration building etc.
- Dedicated boards having the same information as in above have been placed in the administrative building and both the hostels.
- A surprise visits were also made in the Alaknanda (girls') and Shivalik (boys') hostel. The anti-ragging squad members interacted with the present students and mentioned about the policies about the anti-ragging policy.
- The information has been uploaded on the University portal mentioning Anti-Ragging policies and relevant phone numbers, links and documents.

## 9.5 Redressal of Gender Issues

The Committee for Redressal of Gender Issues (CGRI) was constituted by Doon University on the Supreme Court guidelines of Vishaka vs. State of Rajasthan case in 1997. Hon'ble Supreme Court has laid down the guidelines for the prevention and deterrence of sexual harassment at workplace. Following the recommendations of the Supreme Court, the Committee for Redressal of Gender Issues was constituted by Doon University in 2010 to implement these guidelines. A permanent board displaying the name and mobile numbers of the committee members have been displayed in both boys and girls hostels and other important locations such as administration block, lecture hall complex, library etc.

## 9.6 Green Campus

Taking the cognizance of growing environmental degradation and impact of Climate change Doon University is fully committed towards the cause to environmental protection. The University has taken number of initiatives for making Doon University environment sensitive and friendly.

Installed Solar heating system in Faculty Home, Faculty Lodge and both the boys and Girls Hostels.

Installation of about eighty solar street lights in the University Campus. Construction of a composting unit

for the management of biodegradable waste generated from University Campus. Water Harvesting Structures in all the Buildings Recycling of wastewater through Sewage Treatment Plant.

Some of new initiatives taken include energy efficient and sensor based arc-xenon lamp has replaced new lamps on street light. These lamps are more energy efficient and with higher illumination. Herbal Garden has been established with the financial support of HRDI Govt. of Uttarakhand.

## 9.7 Doon Science club:

Doon Science Club came in to existence on 25<sup>th</sup> August, 2015. It organizes seminars, quizzes, lectures, presentations in order to make students familiarize with latest advances in the area of Science learning, research and innovations.

## 10. Future Projections

---

### 10.1 Academic Programme:

Centres to be Established

- Uttarakhand Languages Centre
- MSME Centre

### 10.2 Expansion of Infrastructure

1. Maintain Faculty-student ratio of 1:25
2. Stengthening of Student Clubs for overall development
  - Cultrual Club
  - Theater Club
  - Literary Club
  - Fine Arts Club
  - Sports Club
  - Photography Club (New club to explore Uttarakhand)
  - Green Club (New club for promotion of Plantation and greenery in campus and Dehradun)
3. Recruitment of Faculty and Staff
4. New Constructions as per initial proposal
5. Second campus for expansion of University and becoming Centre of Excellence in Uttarakhand

## FORM NO. 10B [See rule 17B]

Audit report under section 12A(b) of the Income-tax Act, 1961, in the case of charitable or religious trusts or institutions



Acknowledgement Number -614057240041022

I have examined the balance sheet of **DOON UNIVERSITY AAAJD0617J** [name of the trust or institution] as at 31st March 2022 and the Profit and loss account for the year ended on that date which are in agreement with the books of account maintained by the said Trust or institution  
I have obtained all the information and explanations which to the best of my knowledge and belief were necessary for the purposes of the audit. In my opinion, proper books of account have been kept by the head office and the branches of the abovenamed Institution visited by me so far as appears from my examination of the books, and proper Returns adequate for the purposes of audit have been received from branches not visited by me, subject to the comments given below: --

In my opinion and to the best of my information, and according to information given to me, the said accounts give a true and fair view-

- (i) in the case of the balance sheet, of the state of affairs of the above named Institution as at 31st March 2022 and
- (ii) in the case of the profit and loss account, of the profit or loss of its accounting year ending on 31st March 2022

The prescribed particulars are annexed hereto.

Name	SAURABH GUPTA
Membership Number	400521
Firm Registration Number	010729C
Date of Audit Report	29-Sep-2022
Place	103.206.49.174
Date	04-Oct-2022

### ANNEXURE

#### STATEMENT OF PARTICULARS

##### I. APPLICATION OF INCOME FOR CHARITABLE OR RELIGIOUS PURPOSES

1. Amount of income of the previous year applied to charitable or religious purposes in India during that year	₹ 22,61,73,866
2. Whether the Institution has exercised the option under clause (2) of the Explanation to section 11(1) ? If so, the details of the amount of income deemed to have been applied to charitable or religious purposes in India during the previous year.	Yes, ₹ 1,13,69,278
3. Amount of income accumulated or set apart for application to charitable or religious purposes, to the extent it does not exceed 15 per cent of the income derived from property held under trust wholly for such purposes.	₹ 4,19,19,378
4. Amount of income eligible for exemption under section 11(1)(c) (Give details)	No

Sl. No.	Details	Amount
No Records Added		

5.	Amount of income, in addition to the amount referred to in item 3 above, accumulated or set apart for specified purposes under section 11(2)	₹ 0
6.	Whether the amount of income mentioned in item 5 above has been invested or deposited in the manner laid down in section 11(2)(b)? If so, the details thereof	Yes, deposited in form of fixed deposit in scheduled bank
7.	Whether any part of the income in respect of which an option was exercised under clause (2) of the Explanation to section 11(1) in any earlier year is deemed to be income of the previous year under section 11(1B)? If so, the details thereof	No, -, -
8.	Whether, during the previous year, any part of income accumulated or set apart for specified purposes under section 11(2) in any earlier year-	
	(a) has been applied for purposes other than charitable or religious purposes or has ceased to be accumulated or set apart for application thereto, or	No, -, -
	(b) has ceased to remain invested in any security referred to in section 11(2)(b)(i) or deposited in any account referred to in section 11(2)(b)(ii) or section 11(2)(b)(iii), or	No, -, -
	(c) has not been utilised for purposes for which it was accumulated or set apart during the period for which it was to be accumulated or set apart, or in the year immediately following the expiry thereof? If so, the details thereof	No, -, -

## II. APPLICATION OR USE OF INCOME OR PROPERTY FOR THE BENEFIT OF PERSONS REFERRED TO IN SECTION 13(3)

1.	Whether any part of the income or property of the Institution was lent, or continues to be lent, in the previous year to any person referred to in section 13(3) (hereinafter referred to in this Annexure as such person)? If so, give details of the amount, rate of interest charged and the nature of security, if any	No
----	--	----

Sl. No.	Amount	Rate of interest charged (%)	Nature of security, if any.	Remarks
No Records Added				

2.	Whether any land, building or other property of the Institution was made, or continued to be made, available for the use of any such person during the previous year? If so, give details of the property and the amount of rent or compensation charged, if any	No
----	--	----



Sl. No.	Details of property	Amount of rent or compensation charged
No Records Added		

3. Whether any payment was made to any such person during the previous year by way of salary, allowance or otherwise? If so, give details Yes

Sl. No.	Detail	Amount
1	Prof. Surekha Dangwal	₹ 32,75,080
2	Mr. Sunil Kumar Raturi	₹ 5,92,732
3	Dr. Mangal Singh Mandrawal	₹ 12,05,012

4. Whether the services of the Institution were made available to any such person during the previous year? If so, give details thereof together with remuneration or compensation received, if any No

Sl. No.	Name of the Person	Amount of Remuneration/ Compensation	Remarks
No Records Added			

5. Whether any share, security or other property was purchased by or on behalf of the Institution during the previous year from any such person? If so, give details thereof together with the consideration paid No

Sl. No.	Name of the Person	Amount of Consideration paid	Remarks
No Records Added			

6. Whether any share, security or other property was sold by or on behalf of the Institution during the previous year to any such person? If so, give details thereof together with the consideration received No

Sl. No.	Name of the Person	Amount of Consideration received	Remarks
No Records Added			

7. Whether any income or property of the Institution was diverted during the previous year in favour of any such person? If so, give No



details thereof together with the amount of income or value of property so diverted

Sl. No.	Name of the Person	Income or value of property diverted	Remarks
No Records Added			

8. Whether the income or property of the Institution was used or applied during the previous year for the benefit of any such person in any other manner? If so, give details No

Sl. No.	Name of the Person	Amount	Remarks
No Records Added			

**III. INVESTMENTS HELD AT ANY TIME DURING THE PREVIOUS YEAR(S) IN CONCERNS IN WHICH PERSONS REFERRED TO IN SECTION 13(3) HAVE A SUBSTANTIAL INTEREST**

Sl. No.	Name of the concern	Address of the concern	Where the concern is a company	Number of Equity Shares	Number of Preferential Shares	Number of Sweat Equity Shares	Nominal value of the investment	Income from the investment	Whether the amount in col. 5 exceeded 5 per cent of the capital of the concern during the previous year
No Records Added									

Total (Nominal value of the investment) 0  
 Total (Income from the investment) 0  
 Place 103.206.49.174  
 Date 04-Oct-2022

Acknowledgement Number - 614057240041022

This form has been digitally signed by SAURABH GUPTA having PAN AGUPG9709L from IP Address 103.206.49.174 on 04-Oct-2022 11:43:02 AM  
 Dsc SI No and issuer 22517877CN=e-Mudhra Sub CA for Class 3 Individual 2014.C=IN,O=eMudhra



DOON UNIVERSITY  
MOTHROWALA ROAD, KEDARPURAM, DEHRADUN, UTTARAKHAND

BALANCE SHEET AS AT 31ST MARCH 2022

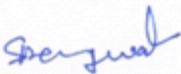
Sr.No.	PARTICULARS	SCHEDULE	CURRENT YEAR	PREVIOUS YEAR
A	<b>LIABILITIES</b>			
i	CORPUS FUND	1	3,55,00,000	3,55,00,000
ii	GRANT FUND	2	1,50,81,774	6,64,50,944
iii	GENERAL FUND	3	46,51,84,798	37,62,00,801
iv	FUNDS ACCUMULATED AND SET APART	4	1,13,69,278	8,07,27,254
v	FIXED ASSET CAPITAL FUND	5	1,15,94,38,221	1,13,88,27,341
vi	EARMARKED FUND	6	6,45,97,585	6,02,93,034
vii	CURRENT LIABILITIES & PROVISIONS	7	5,73,18,424	4,17,53,161
<b>Total in Rs....</b>			<b>1,80,84,90,081</b>	<b>1,79,97,52,536</b>
B	<b>ASSETS</b>			
i	FIXED ASSETS	8	1,15,92,63,113	1,13,86,52,233
ii	INVESTMENT	9	37,81,10,219	30,88,26,556
iii	CURRENT ASSETS, LOANS & ADVANCES	10	27,11,16,749	35,22,73,747
<b>Total in Rs....</b>			<b>1,80,84,90,081</b>	<b>1,79,97,52,536</b>

"As per Audit Reports of even date."

For Saurabh Kishan & Co.  
Chartered Accountants  
FRN:010729C

  
CA SAURABH GUPTA  
FCA, Partner  
M No 400521



  
Prof SUREKHA DANGWAL  
Vice Chancellor

  
SH. S. K. RATURI  
Finance Controller

Date : 29.09.2022  
Place : Dehradun  
UDIN: 22400521AXFAYC9949

**DOON UNIVERSITY**  
MOTHIROWALA ROAD, KEDARPURAM, DEHRADUN, UTTARAKHAND

**Income & Expenditure A/c for the year ending 31st March 2022**

Particulars	Schedule	Current Year (Rs.)	Previous Year (Rs.)
<b>Income</b>			
Grants from Govt. of Uttarakhand	2	12,00,00,000	10,56,23,000
Sale proceeds from Forms	11	52,73,371	28,47,137
Fee Receipts	12	9,57,96,011	9,13,00,583
Interest Earned	13	1,34,11,142	1,76,09,856
Other Income	14	33,60,971	24,96,369
<b>Total ( A ) in Rs....</b>		<b>23,78,41,495</b>	<b>21,98,76,944</b>

<b>Expenditure</b>			
Establishment Expenses	15	10,33,34,063	9,33,67,846
Other Administrative Expenses	16	8,13,29,609	6,92,86,150
Finance Expenses	17	47,576	11,974
Transfer to FA Capital Fund	8	1,05,04,226	35,75,999
<b>Total ( B ) in Rs....</b>		<b>19,52,15,473</b>	<b>16,62,41,969</b>
<b>Surplus [Being excess of Income over Expenditure]</b>			
		4,26,26,022	5,36,34,975

"As per Audit Reports of even date."

For Saurabh Kishan & Co.  
Chartered Accountants

  
Prof SUREKHA DANGWAL  
Vice Chancellor

  
SH. S. K. RATURI  
Finance Controller

  
CA SAURABH GUPTA  
FCA, Partner  
M No 400521



Date : 29.09.2022  
Place : Dehradun  
UDIN: 22400521AXFAYC9949

**ANNEXURE-I**

**Details of Court members in the year 2021-22**

1. Hon'ble Governor and the Chancellor and Chairman of the Court
2. Vice Chancellor, Doon University
3. Registrar and Member Secretary of the Court
4. Finance Controller
5. University Librarian
6. All Heads of Schools and Departments
7. Principal Secretary, Higher Education, Govt. of Uttarakhand
8. Principal Secretary Dept. of Finance, Govt. of Uttarakhand
9. Prof. S. P. Singh, Former Vice Chancellor HNB Garhwal University
10. Prof. P. D. Juyal, Ex Vice Chancellor Nanaji Deshmukh Veteran Science University
11. Prof. S. S. Rawat, Ex Head and Dean Dept. of Horticulture, HNB Garhwal University
12. Prof. Kavita Sharma, Dept. of Commerce, Delhi College of Economics
13. Mr N. Ravishankar I.A.S. (retd) Chancellor, IMS Unison University
14. Mr Ajay Ballabh Bhatt Ex Vice Chancellor, HNB Garhwal University
15. Mr. Prem Chand Sharma, Vill and P.O. Hataal, Tehsil Tyuni, Dehradun
16. Dr. Ranjana Bansal, CMD Ashok Group of Companies
17. Dr. D. D. Arora Kurukshetra, Haryana
18. Dr. G. S. Batra Dean Academic Affairs, Punjabi University, Patiyala
19. Prof. Mridula Bhaduria Professor and Head Department of Education C.S.J.M. University, Kanpur

**ANNEXURE-II**

**Details of EC Members During year 2021-22**

1. Prof. Surekha Dangwal, Vice Chancellor and Chairperson Executive Council,
2. Additional Chief Secretary/Representative Higher Education, Govt. of Uttarakhand
3. Secretary, Dept of Finance Govt. of Uttarakhand
4. Prof. S. P. Singh, Former Vice Chancellor, H.N.B. Garhwal University, Srinagar
5. Prof. Mridula Bhaduria, Head, Department of Education C.S.J.M. University, Kanpur
6. Dr. D. D. Arora, Kurukshetra, Haryana
7. Dr. G. S. Batra, Dean Academic Affairs, Punjabi University, Patiyala
8. Dr. (Smt) Suman Bansal Ex. Head, Dept. of Hindi, Agra College, Agra
9. Dr. Naresh Mishra, Ex. Senior Reader, DBS College C.S.J.M. University, Kanpur
10. Prof. R.P. Mamgain, Professor & Head department of Economics, Doon University
11. Dr. M. S. Mandrawal Registrar and Secretary, Executive Council

## Details of Members of Academic Council during year 2021-22

1. Dr. P.P. Dhyani, Vice Chancellor, Uttarakhand Sri Dev Suman University & Uttarakhand Technical University.
2. Prof. Prof. N. K. Joshi, Vice Chancellor, Kumaun University
3. Prof. O.P.S. Negi, Vice Chancellor, Uttarakhand Open University
4. Prof. Amita Singh, former Chairperson, Centre for the Study of Law and Governance, JNU
5. Prof. P.D. Juyal, Ex V.C., Nanaji Deshmukh Veterinary Science University, Jabalpur, M.P.
6. Prof. Tejinder Sharma, Dept. of Commerce, Kurukshetra University.
7. Prof. Kusum Arunachalam, Professor and Head SENR, Doon University.
8. Prof. H. C. Purohit, Professor and Head, School of Management
9. Prof. R.P. Mangain, Professor & Head Economics and Coordinator SoSS
10. Dr. Rajesh Kumar, Associate Professor & I/c Head, SOMCS.
11. Dr. S.S. Suthar, Associate Professor, SENR, Doon University.
12. Dr. Gajendra Singh, Associate Professor, SoM.
13. Dr. Narendra Rawal, Associate Professor & I/c Head Computer Science, SoPS.
14. Dr. Chetana Pokhriyal, Associate Professor & I/c Head English and Coordinator SoL.
15. Dr. Harsh Dobhal, Visiting Professor SoMCS, Doon University.
16. Dr. Nitin Kumar, Assistant Professor, SoMCS, Doon University.
17. Dr. Ashish Sinha, Assistant Professor, SoM.
18. Dr. Mala Shikha, Assistant Professor & I/c Head, Dept. of Spanish Studies, SoL.
19. Ms. Swagata Basu, Assistant Professor, Dept. of Spanish Studies, SoL.
20. Ms. Sikha Ahmad, Assistant Professor, Dept. of Economics, SoSS.
21. Ms. Deepika Bhatia, Assistant Professor & I/c Head, Dept. of Japanese Studies, SoL.
22. Dr. Achlesh Daverey, Assistant Professor, SENR & Coordinator SoBS Doon University.
23. Dr. Arun Kumar, Assistant Professor & I/c Head, Dept. of Chemistry, SoPS.
24. Dr. Himani Sharma, Assistant Professor & I/c Head, Dept. of Physics, SoPS.
25. Ms. Rachana Gusain, Assistant Professor, Computer Science, SoPS.
26. Ms. Shubhara Kukreti, I/c Head Dept. of French, SoL.
27. Dr. Varun Dev Sharma, Assistant Professor & I/c Head, Dept. of Chinese, SoL.
28. Ms. Dhirti Dhaundiyal, I/c Head, SoD.
29. Dr. Vipul Goswami, Assistant Professor & I/c Head, Dept. of German Studies, SoL.
30. Dr. Savita Karnatak Tiwari, Visiting Assistant Professor & I/c Dept. of Psychology.
31. Dr. Ashish Kumar, University Librarian
32. Shri Sunil Kumar Raturi, Finance Controller, Doon University.
33. Dr. Mangal Singh Mandrawal, Secretary, Academic Council & Registrar

**ANNEXURE-IV**

## The Finance Committee of the University during the period 2021-22

1. Prof Surekha Dangwal, Vice Chancellor, Doon University
2. Shri H. S. Bisht, Under Secretary Finance, Govt of Uttarakhand
3. Shri Prashant Arya, Add. Secretary Higher Education, Govt of Uttarakhand
4. Prof S. P. Singh, Ex VC, Member of EC
5. Prof Gurdeep Singh Batra, Member of EC, Doon University
6. Dr. M.S. Mandrawal, Registrar, Doon University.
7. Shri Sunil Kumar Raturi, Finance Controller, Doon University.

## Various Committees of Doon University and their members (2021-22)

### Committee for Redressal of Gender Issues (CRGI)

1. Dr. Reena Singh, Assoc. Prof. SoM	Convener
2. Dr. Nitin Kumar, Assistant Professor, SoCMC	Member
3. Dr. Savita K. Tiwari, Assistant Professor, SoSS	Member
4. Dr. Sarita Singh, Assistant Professor, SoPS	Member
5. Prof. Rachna Nautiyal, Joint Project Director, RUSA	Member
6. Mr Alok Bahuguna, Advocate	Member
7. Dr. Parul Dixit, Assistant Professor, DAV Collge	Member
8. Representative of Students (Boys)	Member
9. Representative of Students (Girls)	Member

### Grievance Redressal Committee (CRG)

1. Dr Rajesh Kumar, Associate Professor, SoMCS	Chairperson
2. Dr Asha Ram Gairola, Assist. Prof Dept. of Maths	Member
3. Ms Juhee Prasad, Assist. Prof. SOC	Member
4. Deputy Registrar	Member
5. Dr Archana Sharma, Assistant Professor SENR	Member (w.e.f. 11-10-2017)
6. Student Representative of the respective School (based on academic merit)	Special invitee

### Anti Ragging Squad

1. Dr Vikas Sharma, Assistant Professor, SoPS	Chairperson
2. Dr. Prachi Pathak, Assistant Professor SoM	Member
3. Dr Sarita Singh, Assistant Professor, SoPS	Member
4. Mr Ashish Kumar, Assistant Librarian	Member
5. Dr Manoj Bhatt, Associate Professor, SoSS	Member
6. Mr Ravi Kumar, Assistant Professor, SoL	Member
7. Mr Chatar Singh Bora, Security Supervisor	Member

### Anti-Ragging Committee

1. The Vice Chancellor	Chairperson
2. City Magistrate, Dehradun	Member
3. Circle Officer, Nehru Colony Police Station	Member
4. Dr. Brij Mohan Sharma, Chairman, SPECS	Member
5. Ms Jaskiran Chopra, Special Correspondent, The Pioneer	Member
6. Prof. Harsh Dobhal, SoC	Member
7. Representative of Parent	Member
8. Representative of Parent	Member
9. Student Representative	Member
10. Student Representative	Member
11. Deputy Registrar,	Member Secretary

## Library Advisory Committee

1. Vice Chancellor or his Representative	Chairperson
2. All HoDs/In-charges of respective Schools/ Centres	Members
3. Course Advisor of Self Financed Courses	Member
4. Registrar/Deputy Registrar	Member
5. Finance Officer or his Representative	Member
6. Librarian/Assistant Librarian	Secretary

## Cultural Committee

1. Dr. Nitin Kumar, Assistant Professor, SoMCS	Coordinator
2. Dr. Madhu Bisht, Assis. Prof. Economics	Member
3. Mr Atul Shah, Assis. Professor, SoD	Member
4. Dr. Rakesh Bhatt, Assis. Prof. Theatre	Member
5. Dr. Ajeet Panwar, Assis. Prof. Theatre	Member
6. Ms Piyasi Himani, Assistant Professor, SoMCS	Member
7. Student Cultural Representative (Boys)	Student Member
8. Student Cultural Representative (Girls)	Student Member

## Sports Committee

1. Dr Sunit Naithani, Assistant Professor, SENR	Chairperson
2. Ms Deepika Bhatia, Assistant Professor, SoL	Member
3. Dr Charu Dwevedi, Assistant Professor, SoPS	Member
4. Dr. Madhu Bisht, Assistant Professor, SoSS	Member
5. Mr Pushpendra Semwal, Faculty on cont. Maths	Member
6. Mr Md. Yaseen, Faculty on contract. Chinese	Member

## University Proctorial Board

1. Dr. S. S. Suthar, Associate Professor, SENR	Chief Proctor
2. Dr. Ashish Sinha, Assistant Professor, SoM	Proctor
3. Mr. M. K. Jha, Assistant Professor, Chinese	Proctor
4. Dr. Komal, Assistant Professor, Mathematics	Proctor
5. Dr. Savita Karnatak Tiwari, Visiting Assit. Professor, Psychology	Proctor