



ANNUAL REPORT 2022-23

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND ANNUAL REPORT 2022-23

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From the Director's Desk... 📌

I am delighted to present the Annual Report and Audited Statement of Accounts for the National Institute of Technology, Uttarakhand, for the fiscal year 2022-23. This report highlights the remarkable achievements of the Institute throughout the year. The year 2022-23 stands out in the Institute's history due to its numerous accomplishments in academics, teaching, research, collaboration and extracurricular activities, which took place consistently throughout the year. In the academic year 2022-23, the Institute reached significant milestones, enrolling a total of 505 undergraduate students, 38 postgraduate students, and supporting the academic pursuits of 146 Ph.D. scholars. At present, the Institute boasts a dedicated team of 71 faculty members, complemented by five officers and supported by 63 non-teaching staff members.

With all modesty, pride and pleasure, I would like to say that the Institute witnessed exponential growth during the 2022-23. The Institute has adopted a holistic approach for development of students based on innovation in Teaching and Learning, Research, Incubation, Startups, Soft Skills, Industrial Training, Practical Training and Placement Initiatives, as well as various Community Development Programmes. The Institute has been closely associated with the various job providers as well as the industrial partners. The Institute has successfully implemented the National Education Policy (NEP-2020), where the students shall be benefitted by the provision of multiple entry and multiple exit along with advantages of new flexible curriculum. The Institute is also the part of National Academic Bank of Credits. We feel proud to state that, for the first time since its inception, the Institute has made its presence into the top 200 National Institute Ranking Framework (NIRF) ranking by holding 131st rank in the engineering category. Furthermore, it is praiseworthy to mention another national recognition that the Institute has achieved. The Institute has been recognized in the band "PROMISING" under the category of "Institute of National Importance & Central Universities/CFTs (Technical)" in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2022 in the same rank of many old and prestigious institutes.

I am also delighted to share that Training & Placement Cell has made a remarkable achievements. Out of 80 total eligible B. Tech. students for the campus placement drive, 60 students (75%) were selected so far by good MNCs. Mr. Sanyam Jain, (Department of Electronics and Communication Engineering) got selected with the highest package of Rs. 21 Lakh per annum. Among B. Tech. students, 01 student got selected with 21 LPA, 04 obtained the offer with 19 LPA, and 09 students received 18 LPA. The M.Tech. students have also performed very well, and 05 students have received the offer of above 6.5 LPA. Moreover, during this year the PhD Students also got placed from the institute. The industrial internship percentage of the B.Tech students for the academic year 2022-23 is approximately 32% which is due to unique and flexible internship policy of the Institute. Students got internship in several reputed companies such as Unnicommerce, Adobe, Oracle, Samsung R&D, Fanatics etc. During the placement session of the year 2022-2023, more than sixty leading companies visited our green and clean campus at Srinagar (Garhwal). Out of these, many are MNCs and more than fifteen companies visited for the placements of M.Tech. also. To improve the soft-skills and to inculcate the professional development, the T&P Cell has organized various guest lectures and workshops. Many of other pass outs have adopted for higher education as well.

The Institute has received good number of sponsored research projects from different funding agencies. Dr. Smita Kaloni (PI) and Dr. Shashank Bhatra (Co PI), from Department of Civil Engineering, have received the SERB funding of worth ₹ 40.86 lakhs, while Dr. Hariharan Muthusamy, Dr. Nitanshu Chauhan, Mr. Vivek Kumar, from Department of Electronic and Communication Engineering, and Mr. Himesh Kumar, (Department of Electrical and Electronics Engineering), were awarded a project of worth Rs 84.7 Lakh from MeitY (SMDP). Various other sponsored research projects supported by the different funding agencies are also ongoing in the Institute. The institute has also taken up number of consultancy project worth ₹ 26.05 Lakh so far. I am extremely happy to share that the sponsored research projects of worth ₹ 741.1 Lakh are running under various schemes whereas a number of projects have been submitted. The Institute is also performing well in terms of IPR and 19 patents have been filed/published by the faculty members of the various departments and 15 patents have been granted. It is my privilege to share that faculty members of the

Institute have published 207 papers in SCI/SCOPUS indexed journals, 106 in National/International conferences proceedings along with 45 book/book chapters published by different international publishers. The Research and Consultancy section was also instrumental in getting 11 MoU's signed with the Universities/Organizations of the national and international eminence. They have also conducted more than 20 academic events including national/international conferences, FDPs, workshops, expert lecture, memorial lecture, Impact lectures along with other collaborative events for the promulgation of enriching the knowledge-based ecosystem of the Institute.

The Institute also provides various sports facilities to students, faculties and staff. The students are always encouraged to take part in games & sports to keep themselves fit and inculcate a spirit of sportsmanship amongst them. During the session 2022-23, the Institute organized many sports activities throughout the. The Institute always motivates the faculty and staff members to participate in various sports tournament to enhance the sense of achievements and feeling of belongingness among them. Faculty and Staff members participated in "All India Inter Faculty and Staff Badminton, Chess and Table Tennis Tournament from December 17-19, 2022 at NIT Hamirpur. To support with intense zeal and enthusiasm and to contribute for the initiatives of Government of India (GoI) and the Ministry of Education (MoE), our Institute has organized the Volleyball, Football, Badminton, Table Tennis and Cricket tournament for the students, staffs and faculty members of the Institute under the Fit India movement of Azadi ka Amrit Mahotsav. Nidhi Joshi (Best Academics) Ritesh Kumar (Best Sports Person) & Rohit Singh Negi (Best All Rounder) got Bank of Baroda Achiever award 2022-23. On the world environment day, the plantation drive was conducted, and 50 different types of plants were planted in the institute campus and alongside of playground while on the occasion of International Yoga Day, a five days yoga and meditation workshop was organized from 31st May to 4th of June, 2022.

The Alumni Affairs, Student Welfare Section, NIT Uttarakhand organized 4th Alumni meet on 12th November, 2022 at NIT Uttarakhand premises at Srinagar Garhwal. The event aimed to bring together former students of NIT Uttarakhand from various batches and provide them with an opportunity to reconnect, share their experiences, and contribute to the growth and development of their alma mater. During the event, Mr. Somraj, alumnus of B.Tech. Electrical & Electronics Engineering, batch 2014-2018 was honored with the prestigious Young Distinguished Alumni Award 2022. The award was presented to him in recognition of his outstanding achievements and contributions in his respective field. Five alumni of NIT Uttarakhand attained a remarkable achievement in the UPSC 2022 examination. Dev Vrat Joshi (alumnus 2018-2022 batch, Department of Civil Engineering) secured AIR 125, Maniya Verma (alumnus 2016-2020 batch, Electrical and Electronics Engineering) secured AIR 258, Meenakshi Arya (alumnus 2013-2017 batch, Computer Science and Engineering) secured AIR 444, Vipin Dubey (alumnus 2014-2018 batch, Department of Civil Engineering) secured AIR 708, and Aditya Dohar (alumnus 2016-2020 batch, Department of Mechanical Engineering) secured AIR 834 in UPSC 2022 examination.

For next year, the Institute has set quite ambitious goal of implementing NEP in true spirit, implementing flexible curriculum, to double the research and IPR outputs and many more so be in the top 100 institutions in NIRF. On this note, I acknowledge and thank the active support and encouragement the Institute has received from students, members of NITUK community, the Hon'ble Board of Governors, the Senate, Members of various committees and from state administration as well as the Ministry of Education from time to time. We, as an institution, aspire collectively to achieve higher growth in the coming years. I, along with members of the NITUK, hereby, assure that we will put all our efforts to excel at par with the established NITs and IITs very soon. With these words, I present the Annual Report and the Audited Statement of Accounts of National Institute of Technology, Uttarakhand, Srinagar-Garhwal for the financial year 2022-23.

Jai Hind, Jai Bharat
Prof. Lalit Kumar Awasthi
Director

01.00 INTRODUCTION

National Institute of Technology, Uttarakhand is one among the ten newly sanctioned NITs in 2009 by the Government of India. The Institute is fully funded by the Ministry of Education (erstwhile Human Resource Development), Government of India. The Institute in its opening years worked under the mentorship of NIT Kurukshetra. The Institute started working independently with the appointment of Prof. H. T. Thorat as the first regular Director from November 01, 2011. Dr. Satish Kumar served as the In-charge Director of the Institute from April 01, 2017, to November 06, 2017. Prof. Shyam Lal Soni assumed the charge of the Director of the Institute on November 07, 2017, until November 27, 2020. After the unfortunate demise of Prof. Soni, Padamshree Dr. Satish Kumar was again the Director-In-charge from November 28, 2020, to October 03, 2021 followed by Professor Akhilesh Swarup from October 03, 2021 to February 08, 2022. At present, Professor Lalit Kumar Awasthi is the Director of the Institute.

01.01 HISTORICAL BACKGROUND

The Institute started functioning in 2010 with an intake of 90 students. With the inception of two more branches this intake increased to 300 in 2017-18. At present, the Institute has 595 undergraduates, 81 postgraduates and 101 Ph.D. scholars. The Institute was started with B.Tech. programmes in Computer Science & Engineering, Electrical Engineering and Electronics Engineering. B.Tech. program in Mechanical Engineering was started in 2012 followed by B.Tech. programme in Civil Engineering in 2013. The Institute started Ph.D. programme from 2013-2014 and M.Tech. in all the five branches in the year 2016.

01.02 LOCATION

The temporary Campus is located at the premises of Government Polytechnic and ITI in Srinagar Garhwal (Dist. Pauri-Garhwal) which is around 110 kms from Rishikesh. It is situated on the national highway no. 58 that leads to Badrinath (193 kms from Srinagar). Rishikesh is the nearest railway station. Haridwar, a major railway station in Uttarakhand is 130 km from Srinagar. The nearest airport is Jolly Grant, Dehradun which is 125 kms. from Srinagar. Srinagar is connected by road from the airport at Dehradun, railway stations and bus terminals at Rishikesh and Haridwar.

01.03 CAMPUS

The Institute started functioning in two buildings and a hostel in the premises of Government Polytechnic, Srinagar, Garhwal. At present, it has a residential campus with all the basic facilities for the students in temporarily fabricated buildings in the premises of Government Polytechnic. As the Institute expanded, temporary constructions were erected on the roof tops and the unused spaces of the Polytechnic campus. Later on, with the permission from the State Government, Administrative Blocks and Engineering Departments were constructed at the Industrial Training Institute (ITI) Campus. Though the Institute is currently having a limited space of 14,000 square meters, it is functioning with full vigour. At present, the Institute is equipped with 35 labs, 16 classrooms, 1 library, and 11 hostels with an accommodative capacity of 1000 students. The Institute offers medical assistance to students and staff members through tie ups with various hospitals and by means of providing medical insurance to students. The dispensary at the Institute is run with the help of

Medical College, Srinagar with a visiting Doctor. Nurse and emergency vehicle is available for 24 hours. Institute also provides other facilities in the form of ATM, Power Back-Up, Gymnasium, Laundry, Canteen Security, Wi-Fi connectivity, etc. Since its inception, the Institute has expanded its temporary campus by fabricating new buildings polytechnic campus. Later on, administrative blocks, engineering departments along with laboratories, play-ground, cafeteria and open-air theatre have been constructed at the ITI Campus.



One of the most important components of education is teaching. Keeping this in mind, NITUK has always taken intransigent efforts in recruiting faculty members. To meet this purpose, many meritorious and bright faculty members, from different parts of the country, have been recruited in different departments of the Institute from time to time. There are 71 faculty members, 05 officers, 08 contractual teachers and 61 non-teaching staff members in the Institute. The new recruitment process for the new faculty members has also been initiated this year and is in process.



02.00 OBJECTIVES

The Institute is committed to impart technical education of high standards and create such technocrats who can be serviceable to the community. The academic curriculum also aims to spread awareness of socio-technical and socio-economic problems to further provide technical solutions in rural-urban and agriculture

sectors. Thus, the Institute aims at structuring academic programmes in line with national development, generating technical human resource and interaction with the industries for development of the nation.

02.01 VISION AND MISSION

VISION:

To provide a global impetus to education and innovation for sustainable development of Industry and society.

MISSION:

1. Providing an encouraging environment for education and training of technical professionals.
2. Establishing as a center of excellence for research on challenges and demands of future generations.
3. Promoting innovation and leadership skills for producing competent professionals.
4. Developing research collaboration with institutions of repute.

03.0 GOVERNANCE

03.01 COUNCIL, ADMINISTRATIVE AND STATUTORY BODIES AND OTHER COMMITTEES

03.01.01 THE COUNCIL

S. No.	Name	Designation
1.	The Minister in Charge, Ministry of Human Resource Development, Govt. of India	Chairman (ex-officio)
2.	The Secretary to the Govt. of India, Dept. of Higher Education, Ministry of Human Resource Development	Vice-Chairman (ex-officio)
3.	The Chairperson of all National Institute of Technology	Member (ex-officio)
4.	The Director of all National Institute of Technology	Member (ex-officio)
5.	The Chairman, University Grant Commission	Member (ex-officio)
6.	The Director General, Council for Scientific & Industrial Research	Member (ex-officio)
7.	Secretary, Department of Biotechnology, Govt. of India	Member (ex-officio)
8.	Secretary, Department of Atomic Energy, Govt. of India	Member (ex-officio)
9.	Secretary, Department of Information Technology, Govt. of India	Member (ex-officio)
10.	Secretary, Department of Space, Govt. of India	Member (ex-officio)
11.	The Chairman, All India Council for Technical Education	Member (ex-officio)

S. No.	Name	Designation
12.	Not less than three, but not more than five persons to be nominated by the Visitor, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, industry, science or technology	Member
13.	Three Members of Parliament, of whom two shall be chosen by the House of People and one by the Council of States	Member
14.	Two Secretaries to the State Govt. of Uttarakhand, from amongst the Ministries or departments of that government dealing with technical education	Member (ex-officio)
15.	The Financial Advisor, Ministry of Human Resource Development, Govt. of India	Member-Secretary (ex-officio)
16.	Joint Secretary to the Govt. of India (Technical/Additional Secretary (Technical)/Department of Higher Education, Ministry of Human Resource Development.	Member (ex-officio)

03.01.02 BOARD OF GOVERNORS

S.No.	Name	Designation
1.	Dr. R. K. Tyagi	Chairman
2.	Prof. Lalit Kumar Awasthi , Director, NIT Uttarakhand	Ex-Officio Member
3.	Joint Secretary to the Government of India to be nominated by the Central Government dealing with Technical Education	Member
4.	Joint Secretary to the Government of India to be nominated by the Central Government dealing with Finance	Member
5.	Representative, Nominated by the Govt. of Uttarakhand	Member
6.	Representative, Nominated by the Govt. of Uttarakhand	Member
7.	Nominated by the Council	Member
8.	Nominated (Women) by the Council	Member
9.	Dr. Hariharan Muthusamy , (till 03.06.2022); Dr. Lalta Prasad (04.06.2022 onwards), Nominated by the Senate of NIT Uttarakhand	Member
10.	Dr. Sarika Pal (till 31.12.2022), Dr. T. S. Arora (01.01.2023 onwards), Nominated by the Senate of NIT Uttarakhand	Member

S.No.	Name	Designation
11.	Director, IIT Roorkee or his nominee, not below the rank of a Professor	Member
12.	Dr. Prabhakar Mani Kala (till 30.06.2022), Registrar, National Institute of Technology, Uttarakhand; Dr. Dharmendra Tripathi , (01.07.2022 onwards) I/c. Registrar, National Institute of Technology, Uttarakhand	Secretary

03.01.03 FINANCE COMMITTEE

S.No.	Name	Designation
1.	Dr. R. K. Tyagi	Chairman (Nominated by the Visitor)
2.	Prof. Lalit Kumar Awasthi , Director, NIT Uttarakhand	Ex-Officio-Member
3.	Joint Secretary dealing with NITs or his nominee	Member
4.	Financial Advisor of MHRD or his nominee	Member
5.	Director, IIT Roorkee, Nominated by the Board	Member
6.	Dr. Prabhakar Mani Kala (till 30.06.2022), Registrar, National Institute of Technology, Uttarakhand; Dr. Dharmendra Tripathi , (01.07.2022 onwards) I/c. Registrar, National Institute of Technology, Uttarakhand	Ex-Officio-Member Secretary

03.01.04 BUILDING AND WORKS COMMITTEE

S. No.	Name	Designation
1.	Prof. Lalit Kumar Awasthi , Director, NIT Uttarakhand	Ex-Officio Chairman
2.	One member nominated by the Central Govt. not below the rank of Director or Deputy Secretary	Member
3.	Prof. Ganesh Kumbar , Department of Electrical Engg., IIT Roorkee, Nominated by the Board	Member
4.	Dean, Planning & Development, NIT Uttarakhand	Member
5.	Er. C. B. Singh , Superintending Engineer (CPWD) Karnal & Chandigarh Division, Nominated by the Board	Member
6.	Dr. Rajib Chowdhury , Department of Civil Engg., IIT Roorkee, Nominated by the Board	Member
7.	Dr. Prabhakar Mani Kala (till 30.06.2022), Registrar, National Institute of Technology, Uttarakhand; Dr. Dharmendra	Ex-Officio Member Secretary

S. No.	Name	Designation
	Tripathi , (01.07.2022 onwards) I/c. Registrar, National Institute of Technology, Uttarakhand	

03.01.05 THE SENATE

S. No.	Name	Designation
1.	Prof. Lalit Kumar Awasthi , Director, NIT Uttarakhand	Ex-Officio–Chairman
2.	Prof. Gian Bhushan , NIT Kurukshetra, Nominated by the Chairman Senate	Member
3.	Prof. M. R. Maurya , IIT Roorkee, Nominated by the Chairperson, Board	Member
4.	Prof. Vinita Mohindra , MANIT Bhopal, Nominated by the Chairperson, Board	Member
5.	Dr. Prabhakar Mani Kala (till 30.06.2022), Registrar, National Institute of Technology, Uttarakhand; Dr. Dharmendra Tripathi , (01.07.2022 onwards) I/c. Registrar, National Institute of Technology, Uttarakhand	Secretary

03.02 ORGANIZING STRUCTURE

03.02.01 DEANS

S.No.	Designation	Name	Period
1	Dean (Planning & Development)	Dr. Gurinder Singh Brar	01.04.2022 to 31.03.2023
2	Dean (Academic Affaris)	Dr. Lalta Prasad	01.04.2022 to 31.03.2023
3	Dean (Research & Consultancy)	Dr. Hariharan Muthusamy	01.04.2022 to 31.01.2023
		Dr. Sanat Agrawal	01.02.2023 to 31.03.2023
4	Dean (Faculty Welfare, Development & International Affairs)	Dr. Dharmendra Tripathi	01.04.2022 to 01.07.2022
		Dr. Hariharan Muthusamy	01.07.2022 to 31.03.2023
5	Dean (Student Welfare & Alumni Affairs)	Dr. Dharmendra Tripathi	01.04.2022 to 31.03.2023

03.02.02 ASSOCIATE DEANS

S.No.	Designation	Name	Period
1	Associate Dean (Planning & Development-1)	Dr. Aditya Kumar Anupam	01.04.2022 to 31.03.2023
2	Associate Dean (Planning & Development-2)	Dr. Prakash Dwivedi	01.04.2022 to 31.01.2023
		Dr. Vikas Pratap Singh	01.02.2023 to 31.03.2023
3	Associate Dean (Academic Affaris-UG)	Dr. Maheep Singh	01.04.2022 to 31.01.2023
		Dr. Prakash Dwivedi	01.02.2023 to 31.03.2023
4	Associate Dean (Academic Affaris-PG)	Dr. Saroj Ranjan De	01.04.2022 to 31.03.2023
5	Associate Dean (Research & Consultancy)	Dr. Pawan Kumar Rakesh	01.04.2022 to 31.03.2023
6	Associate Dean (Faculty Welfare, Development & International Affairs)	Dr. Vinod Singh Yadav	01.04.2022 to 31.01.2023
		Dr. Maheep Singh	01.02.2023 to 31.03.2023
7	Associate Dean (Student Welfare & Alumni Affairs)	Dr. Siva Kumar Tadepalli	01.04.2022 to 16.09.2022
		Dr. Rakesh Kumar Mishra	16.09.2022 to 31.03.2023

03.02.03 HEAD OF DEPARTMENTS

S. No.	Department	Name	Tenure
1	Humanities & Social Sciences	Dr. Ajay Kumar Chaubey	01.04.2022 to 19.04.2022
		Dr. Renu Bhadola Dangwal	19.04.2022 to 31.03.2023
2	Mathematics	Dr. Kuldeep Sharma	01.04.2022 to 31.03.2023
3	Chemistry	Dr. Rampal Pandey	01.04.2022 to 31.03.2023
4	Physics	Dr. Manvendra Singh Khatri	01.04.2022 to 31.03.2023
5	Mechanical Engineering	Dr. Sanat Agrawal	01.04.2022 to 31.01.2023
		Dr. Vinod Singh Yadav	01.02.2023 to 31.03.2023
6	Electrical Engineering	Dr. Sourav Bose	01.04.2022 to 31.03.2023
7	Electronics Engineering	Dr. Sarika Pal	01.04.2022 to 31.03.2023
8	Civil Engineering	Dr. Kranti Gyanchand Jain	01.04.2022 to 31.03.2023
9	Computer Science and Engineering	Dr. Kamal Kumar	01.04.2022 to 31.03.2023

03.03 FACULTY & STAFF POSITIONS

03.03.01 SANCTIONED POSITIONS & FILLED-IN POSITIONS

S.No.	Designation	Post sanctioned	In-position	Vacant
1.	Teaching	86	67	15
2.	Trainee Teachers	–	04	
TOTAL (A)		86	71	15
1.	Registrar	01	01	–
2.	Deputy Registrar	01	–	01
3.	Assistant Registrar	02	02	–
4.	SAS Officer	01	01	–
5.	Medical Officer	01	–	01
6.	Executive Engineer	01	–	01
7.	Assistant Librarian	01	–	01
8.	Superintendent	07	05	02
9.	Technical Assistant/ Junior Engineer/Nurse	27	16	11
10.	Senior Assistant	01	01	–
11.	Stenographer	01	–	01
12.	Junior Assistant	12	09	03
13.	Technician/Lab Asstt.	26	18	08
14.	MTS/Office Attendant	13	10	03
TOTAL (B)		95	63	32
TOTAL (A+B)		181	134	47

03.03.02 DISTRIBUTION OF FACULTY (DEPARTMENT & DESIGNATION WISE)

S.No.	Department	Professor	Associate Professor	Assistant Professor	Trainee Teacher	Total
1.	Civil Engineering	-	-	11	-	11
2.	Computer Sci. & Engineering	-	-	08	01	09
3.	Electronics Engineering	-	01	09	01	11
4.	Electrical Engineering	-	-	07	02	09
5.	Mechanical Engineering	-	03	12	-	15
6.	Chemistry	-	-	05	–	05
7.	English	-	-	02	–	02
8.	Mathematics	-	01	04	–	05

9.	Physics	-	-	04	-	04
Total		-	05	62	04	71

03.03.03 DETAILS OF ACADEMIC STAFF

S. No.	Faculty Name	Designation	Department
1.	Prof. Lalit Kumar Awasthi	Director	-
2.	Dr. Dharmendra Tripathi	Associate Professor	Mathematics
3.	Dr. Kuldeep Sharma	Assistant Professor (Gr-I)	
4.	Dr. Dheerendra Bahadur Singh	Assistant Professor (Gr-I)	
5.	Dr. Nitin Sharma	Assistant Professor (Gr-I)	
6.	Dr. Kusum Sharma	Assistant Professor (Gr-I)	
7.	Dr. Renu Bhadola Dangwal	Assistant Professor (Gr-I)	Humanities & Social Sciences
8.	Dr. Ajay Kumar Chaubey (On Lien-20/04/2022 to 20/04/2024)	Assistant Professor (Gr-I)	
9.	Dr. Nagpure Indrajit Manohar	Assistant Professor (Gr-I)	Physics
10.	Dr. Manvendra Singh Khatri	Assistant Professor (Gr-I)	
11.	Dr. Hardeep Kumar	Assistant Professor (Gr-I)	
12.	Dr. Jagrati Sahariya	Assistant Professor (Gr-I)	
13.	Dr. Rampal Pandey	Assistant Professor (Gr-I)	
14.	Dr. Saroj Ranjan De	Assistant Professor (Gr-I)	Chemistry
15.	Dr. Rakesh Kumar Mishra	Assistant Professor (Gr-I)	
16.	Dr. Pankaj Kandwal	Assistant Professor (Gr-I)	
17.	Dr. Kamal Kant Tiwari	Assistant Professor (Gr-I)	
18.	Dr. Hariharan Muthusamy	Associate Professor	Electronics Engineering
19.	Dr. Siva Kumar Tadepalli	Assistant Professor (Gr-I)	
20.	Dr. Sarika Pal	Assistant Professor (Gr-I)	
21.	Dr. Tajinder Singh Arora	Assistant Professor (Gr-I)	
22.	Dr. Ghanapriya Singh (On Lien-02 years w.e.f. 21/11/2022 AN)	Assistant Professor (Gr-II)	
23.	Dr. Sarita Yadav	Trainee Teacher (Upto 29.06.2022) Assistant Professor (Gr-II) (w.e.f. 30.06.2022)	
24.	Dr. Tushar Goel	Assistant Professor (Gr-II)	
25.	Dr. Nitanshu Chauhan	Trainee Teacher (Upto 10.08.2022) Assistant Professor (Gr-II) (w.e.f. 11.08.2022)	

26.	Dr. Hemant Kumar Singhal (Relieved on-23/09/2022 AN)	Assistant Professor (Gr-II)	Electrical Engineering
27.	Dr. Pankaj Kumar Pal	Assistant Professor (Gr-II)	
28.	Dr. Prakash Dwivedi	Assistant Professor (Gr-I)	
29.	Dr. Mahiraj Singh Rawat	Assistant Professor (Gr-II)	
30.	Dr. Sourav Bose	Assistant Professor (Gr-II)	
31.	Dr. V.G. Durgarao Rayudu (Relieved on-14/11/2022 AN)	Assistant Professor (Gr-II)	
32.	Dr. Suryanarayana Gangolu	Assistant Professor (Gr-II)	
33.	Dr. Tripurari Nath Gupta	Assistant Professor (Gr-II)	
34.	Dr. Rohit Kumar	Assistant Professor (Gr-II)	
35.	Dr. Sanat Agrawal	Associate Professor	Mechanical Engineering
36.	Dr. Lalta Prasad	Associate Professor	
37.	Dr. Gurinder Singh Brar	Associate Professor	
38.	Dr. Pawan Kumar Rakesh	Assistant Professor (Gr-I)	
39.	Dr. Vinod Singh Yadav	Assistant Professor (Gr-I)	
40.	Dr. Apurba Mandal	Assistant Professor (Gr-II)	
41.	Dr. Vikas Kukshal	Assistant Professor (Gr-II)	
42.	Dr. Gaurav Kumar	Assistant Professor (Gr-II)	
43.	Dr. Dungali Sreehari	Assistant Professor (Gr-II)	
44.	Dr. Hitesh Sharma	Assistant Professor (Gr-II)	
45.	Dr. T. Sudhakar	Assistant Professor (Gr-II)	
46.	Dr. Prashant Tiwari	Assistant Professor (Gr-II)	
47.	Dr. Niraj Kumar Mishra	Assistant Professor (Gr-II)	
48.	Dr. Yogesh Kumar Prajapati (Relieved on-13/01/2023 AN)	Assistant Professor (Gr-II)	
49.	Dr. Deepak Kumar	Assistant Professor (Gr-II)	Computer Science & Engineering
50.	Dr. Kamal Kumar	Assistant Professor (Gr-II)	
51.	Dr. Nitin Kumar	Assistant Professor (Gr-II)	
52.	Dr. Maheep Singh	Assistant Professor (Gr-II)	
53.	Dr. Krishan Kumar (Relieved on-14/11/2022 AN)	Assistant Professor (Gr-II)	
54.	Dr. Parveen Kumar (Relieved on-14/11/2022 AN)	Assistant Professor (Gr-II)	
55.	Dr. Deshmukh Maroti Bhujangrao	Assistant Professor (Gr-II)	
56.	Dr. Surendra Singh	Assistant Professor (Gr-II)	
57.	Dr. Abhimanyu Kumar	Assistant Professor (Gr-II)	
58.	Dr. Vikas Pratap Singh (On Lien upto 30.11.2022)	Assistant Professor (Gr-I)	Civil Engineering
59.	Dr. Aditya Kumar Anupam	Assistant Professor (Gr-I)	

60.	Dr. Kranti Gyanchand Jain	Assistant Professor (Gr-I)	
61.	Dr. Smita Kaloni	Assistant Professor (Gr-II)	
62.	Dr. Shashank Bhatra	Assistant Professor (Gr-II)	
63.	Dr. Bibhash Kumar	Assistant Professor (Gr-II)	
64.	Dr. Muskan Mayank	Assistant Professor (Gr-II)	
65.	Dr. Abhinav Kumar	Assistant Professor (Gr-II)	
66.	Dr. Shashi Narayan	Assistant Professor (Gr-II)	
67.	Dr. Laiju A.R. (Relieved on-18/10/2022 AN)	Assistant Professor (Gr-II)	
68.	Mr. Amardeep	Assistant Professor (Gr-II)	Electrical Engineering
69.	Mr. Nitesh Kumar	Trainee Teacher	
70.	Mr. Himesh Kumar	Trainee Teacher	
71.	Mr. Vivek Kumar	Trainee Teacher	
72.	Ms. Sneha Chauhan	Trainee Teacher	Computer Science & Engineering

03.03.04 DETAILS OF NON-TEACHING STAFF

S. No.	Faculty Name	Designation
1	Dr. P. M. Kala (Relieved on-30/06/2022 AN)	Registrar
2	Dr. Vineeta Negi Panwar	Assistant Registrar
3	Mr. Jagdeep Singh	Assistant Registrar
4	Dr. Kuldeep Singh	Student Activity & Sports Officer
5	Mr. Anoop Sharma	Superintendent (Accounts)
6	Mr. Sanjay Bhatt (on Lien-16/08/2021 AN to 16/08/2023)	Superintendent (Estt.)
7	Mrs. Anjali Gupta Maurya	Superintendent
8	Mr. Praveen Kumar Manwal	Superintendent
9	Mr. Ravinder Singh (on Lien upto 04/02/2023)	Superintendent
10	Mr. Sumit Kumar	Junior Engineer (EEE)
11	Mrs. Neha Raturi	Technical Assistant (Physics)
12	Mrs. Bhavana	Technical Assistant (Electronics)
13	Mr. Ram Mohan Gupta (Relieved on-26/09/2022 AN)	Technical Assistant (Mechanical)
14	Mr. Kawal Preet Singh	Technical Assistant (EEE)
15	Mrs. Kumud Sharma	Library & Information Assistant
16	Mr. Paras Sah	Technical Assistant (Civil)
17	Mr. Vikas Kothari	Technical Assistant (CSE)

18	Mohammed Arshad Saify	Technical Assistant (Mech.)
19	Mr. Abhishek	Technical Assistant (ECE)
20	Mr. Gole Balaji Dhanraj	Technical Assistant (ECE)
21	Ms. Sangeeta Basu Sinha	Nurse
22	Mr. Vikas Singh Chauhan	Technical Assistant (CSE)
23	Mr. Alok Kumar Patel	Technical Assistant (EEE)
24	Mr. Rajesh Kumar	Technical Assistant (CSE)
25	Mr. Purushottam Prabhakar Jawarkar	SAS Assistant
26	Mrs. Beena Rawat	Senior Assistant
27	Ms. Rekha Rawat	Junior Assistant
28	Mrs. Swati Bhatt	Junior Assistant
29	Mrs. Meenakshi Bhatt	Junior Assistant
30	Mr. Amit Singh	Junior Assistant
31	Mr. Ajay Singh (on Lien upto 30.06.2022)	Junior Assistant
32	Mr. Gaurav Singh Negi	Junior Assistant
33	Mrs. Pooja	Junior Assistant
34	Mr. Manoj Kumar	Junior Assistant
35	Mr. Ranjit Sharma	Junior Assistant
36	Mr. Anil Bhatt	Technician (Chemistry)
37	Mr. Pradeep Kumar	Technician (EEE)
38	Mr. Jai Dev	Technician (CSE)
39	Mr. Manoj Kumar	Technician (CSE)
40	Mr. Santosh Singh Rawat	Technician (Mech-Machinist)
41	Mr. Rinku	Technician (Mech-Welder)
42	Mr. Yudhbir Singh Negi	Technician (CSE)
43	Mr. Sushil Kumar	Technician (Civil-Surveyor)
44	Mr. Chandramohan	Technician (Civil-Plumber)
45	Mr. Nilesh Kumar Bhardwaj (on Lien upto 30.09.2022)	Technician (Library & Information)
46	Mr. Pawan Rana	Technician (Mech-Machinist)
47	Mr. Krishan Kumar	Technician (Mech-Carpenter)
48	Mr. Chandra Pal Singh	Technician (ECE)
49	Mr. Robin Manish Kujur	Technician (CSE)
50	Mr. Amandeep Singh	Technician (EEE)
51	Mr. Sachin Sharma	Technician (CSE)
52	Mr. Shashi Kumar Jha	Technician (Library)
53	Mr. Sanjay Chauhan	Technician (Electrical)

54	Mr. Ravindra Kumar	Laboratory Attendant (EEE)
55	Mr. Ashish Nautiyal	Office Attendant
56	Mr. Malkeet Singh	Laboratory Attendant (Mech.)
57	Mr. Tanuj Thapliyal	Office Attendant
58	Mr. Deepak Vijay	Office Attendant
59	Mrs. Suman Mewad	Office Attendant (Library)
60	Mr. Siddharth Awadhiya	Office Attendant (Library)
61	Mr. Saurabh Singh Negi	Office Attendant
62	Mrs. Deepika Maithani	Office Attendant
63	Mr. Pankaj Singh	Office Attendant

04.00 EDUCATION SYSTEM

At present, NIT Uttarakhand offers B. Tech., M.Tech. and Ph. D. programmes. Initially, the Institute started B. Tech. programmes in three branches with an intake of 20 students per branch. The Institute is also conducting M. Tech. programme in five branches with an intake of 19 students in each branch;

- Civil Engineering
- Computer Science & Engineering
- Electronic & Communication Engineering
- Electrical & Electronics Engineering
- Mechanical Engineering

The Institute offers Ph.D. programme in all the five branches and also in basic sciences and humanities (Mathematics, Physics, Chemistry, Humanities and Social Sciences).

04.01 ACADEMIC AUTONOMY

The Institute manages its internal academic affairs independently under the supervision of the Senate of the Institute which enables them to set up their own curriculum. The academic policies, ordinances, curriculum, courses, examinations, evaluation and results are approved and controlled by the Senate. All kinds of specific academic matters pertaining to teaching, training and research activities of various departments come under preview of the Senate.

04.02 SALIENT FEATURES OF ACADEMIC STRUCTURE

The academic structure of the Institute has many salient features:

- The most (modern and flexible Academic structure)
- 35 % courses are elective
- Freedom to choose elective courses per semester
- Freedom to choose sequence of courses
- Faculty to go for credit exchange programme in another Institute for one complete semester
- Freedom to complete the programme in VII semesters and going to industry for one semester

internship

The curriculum provides broad based knowledge and simultaneously builds a temper for the lifelong process of learning and exploring. At undergraduate level, a student needs to do compulsory foundation courses in the areas of basic sciences, humanities and social sciences apart from the departmental requirements. Departmental courses (core and electives) constitute minimum 50% of the total curriculum. Further, students do open category electives to develop broad inter-disciplinary knowledge base or to specialize significantly in an area outside the parent discipline. At the postgraduate level, students are encouraged to look beyond their area of specialization to broaden their horizons through open electives. The medium of instruction in the Institute is English. The Institute follows the semester system. An academic year runs from July through June next year and is comprised of two semesters and two terms. Typically, the 1st semester (Odd Semester) starts in the first week of August and ends in the middle of December, the 2nd semester (Even Semester) starts in first week of January and ends in the middle of May. The Ordinances govern all the rules and regulations for running all Under Graduate and Post Graduate programs in the Institute.

04.03 ACADEMIC PROGRAMMES

04.03.1 UNDERGRADUATE PROGRAMMES

1. Civil Engineering
2. Computer Science & Engineering
3. Electronics & Communication Engineering
4. Electrical & Electronics Engineering
5. Mechanical Engineering

04.03.2 POSTGRADUATE PROGRAMMES

1. Civil Engineering with specialization in
 - a. Structural Engineering
 - b. Transportation Engineering
 - c. Geo-Tech Engineering
2. Computer Science and Engineering with specialization in
 - d. Artificial Intelligence
 - e. Computing Systems
3. Electronics Engineering with specialization in
 - f. Microelectronics and VLSI Design
 - g. Communication Systems
4. Electrical Engineering with specialization in
 - h. Power System and Control
 - i. Power Electronics and Drives
5. Mechanical Engineering with specialization in
 - j. Manufacturing Technology
 - k. Machine Design
 - l. Thermal Engineering

04.03.3 Ph.D. PROGRAMMES

The Institute offers Ph. D. programme in the following branches:

1. Civil Engineering
2. Computer Science & Engineering
3. Electronics Engineering
4. Electrical Engineering
5. Mechanical Engineering
6. Chemistry
7. Mathematics
8. Physics
9. Humanities and Social Sciences.

04.04 ADMISSION PROCEDURE

B. Tech. The admission to B.Tech. degree programme at NIT Uttarakhand is done through Joint Programme: Seat Allocation Authority (JoSAA) 2022. Admissions were given on the basis of All India Rank (AIR) prepared by JoSAA considering score in JEE (Main)-2022.

M. Tech. The admission to M. Tech. degree programmes at NIT Uttarakhand is done through Programme: Centralized counselling for M. Tech./M. Arch./M.Plan./M. Des. admissions (CCMT) 2022. Admissions were conducted on the basis of GATE.

Ph.D. For the admission in the Ph.D. program, candidates are shortlisted for written test on Programme: the basis of required qualification (GATE/NET/SET qualified). The qualified candidates are called for personal interview. After qualifying, the candidates are provisionally admitted for Ph.D. in the Institute. Their registration for Ph.D. program at the Institute is confirmed only after successful completion of Pre-Registration viva-voce. The Institute scholars are awarded fellowship as per norms. To avail the fellowship, the candidate should be GATE/NET/SET qualified. Part-time Candidates are NOT eligible for fellowship.

04.05 EXAMINATION AND EVALUATION

Students are awarded grade points based on their performance in the class and examinations. The grades and their equivalent numerical points are listed below:

Grade	Grade Points	Description
AA	10	Excellent
AB	9	Very good
BB	8	Good (Above Average)
BC	7	Meets all targeted objectives of the course.
CC	6	Below expectations

DD	4	Marginal, Meets minimum targeted objectives of the course.
FF	0	Very poor
GG	-	Incomplete
UU	-	Unsatisfactory
PP	-	Audit pass
YY	-	Audit fail
XX	-	Withdrawal
KK	-	Continued
SS	-	Satisfactory completion (Zero credit course)
ZZ	-	Unsatisfactory / Failed (Zero credit course)
JJ	-	Failed three times in the core course. Permitted to replace it by Elective Course

Only passing grades are shown in the final Grade Card. Student having CGPA minimum 6.75 is considered for the award of First Division.

04.05.1 EVALUATION OF PERFORMANCE

The performance of a student is evaluated in terms of two indices, via, the Semester Grade Point Average (SGPA) which is the Grade Point Average for a semester and Cumulative Grade Point Average (CGPA) which is the Grade Point Average for all the completed semesters at any point in time. The Earned Credit (ECR) is defined as the sum of course credits for courses in which students have been awarded grades between AA to DD. For UG students, credits from courses in which PP or SS grades have been obtained are also added. Earned Grade Points in a semester (EGP) = \sum (Course credits x Grade point) for courses in which AA-DD grade has been obtained. The SGPA is calculated on the basis of grades obtained in all courses, except audit courses and courses in which SS / ZZ grade is awarded, registered for in the particular semester. UU grades will be considered as failed grade with Grade Point of Zero and will be included while calculating SGPA. The CGPA is calculated on the basis of all pass grades, except audit courses and courses in which SS/ZZ grade is awarded, obtained in all completed semesters.

SGPA = $\frac{EGP}{\sum(\text{Course credits})}$ for courses registered in a semester in which AA, FF & UU grades are awarded.

CGPA = $\frac{EGP}{\sum(\text{Course credits})}$ for courses registered in all completed semesters in which AA-DD grades are awarded.

The conversion formula from CGPA to percentage (%) is as;

$$\text{Percentage (\%)} = 10 \times \text{CGPA}$$

04.06 ACADEMIC CALENDAR

Academic Calendar

Temporary Campus Government ITI, Solan (Garhwal), Dist. Pauri Garhwal, Uttarakhand-246174. Phone: 01346-237440, 237400 (01), 01346-231091 (Toll Free) E-Mail: admission@nit-uttarakhand.ac.in, exam@nit-uttarakhand.ac.in, Website: www.nit-uttarakhand.ac.in

Odd Semester – 2022 and Even Semester-2023 for B.Tech. 2022-2026 Batch

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Activity of Week
November 2022	1	2	3	4	5	6		
	7	8 Guru Nanak Jayanti	9	10	11	12	13	
	14 Orientation & Enrolment	15 Classes Begin	16	17	18	19	20	Orientation & Enrolment Classes Begin
	21	22	23	24	25	26	27	
	28	29	30	1	2	3 Friday Time Table	4	
December 2022	5	6	7	8	9	10	11	
	12	13	14	15	16 Mid Term Exam – I Slot A & B & C	17 Mid Term Exam – I Slot D & E & F	18 Mid Term Exam – I Slot G & H & I	19 Mid Term Exam – I
	19	20	21	22 Last Date of Special MTE-I	23	24	25 CHRISTMAS	26 Last Date of Special MTE-I
	26 Last Date of Display of MTE-I Marks	27	28	29	30	31	1	2 Last Date of Display of MTE-I Marks
	3	4	5	6	7 Friday Time Table	8		
	9	10	11	12	13	14	15	
	16	17	18	19	20 Mid Term Exam – II Slot A & B & C	21 Mid Term Exam – II Slot D & E & F	22 Mid Term Exam – II Slot G & H & I	23 Mid Term Exam – II
January 2023	24	25 Last Date of Special MTE-II	26 Republic day	27	28	29	30	31 Last Date of Special MTE-II
	30 Last Date of Display of MTE-II Marks	31	1	2 Registration for Even Semester – 2023	3	4	5	6 Registration for Even Semester – 2023 Last Date of Display of MTE-II Marks
	7	8	9	10	11 Thursday Time Table	12		
	13	14	15	16	17	18	19	
	20	21	22 Display of short Attendance of L & P type courses	23 End Term Exam of P type courses	24 End Term Exam of P type courses Display of Internal Marks of L & P type courses	25 End Term Exam Slot A	26 End Term Exam Slot B	27 Display of Attendance & Internal Marks End Term Exam
March 2023	27 End Term Exam Slot C	28 End Term Exam Slot D	29 End Term Exam Slot E	30 End Term Exam Slot F	31 End Term Exam Slot G	1 End Term Exam Slot H	2 End Term Exam Slot I	3 End Term Exam End Term Break Starts
	4	5	6	7	8	9	10	11 End Term Break Ends
	12 Last Date of Special ETE	13 Holi	14	15	16 Last Date of Showing Answer Sheets	17	18 End Term Break Ends	19 End Term Break Ends

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17	Last Date of Showing Answer Sheets	18		19		20	Committee Meeting for Finalization & Display of Grades	21	Last Date for Grievance	22		23		Display of Grades
24		25		26		27		28		29	Muharram	30	End Term Break Starts	End Term Break Starts
31	Enrolment without late Fees	1	Classes Begin for Odd semester 2023											Enrolment and Classes Begins for Odd Semester 2023

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Odd Semester – 2022

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Activity of Week
August 2022	1	2 Enrollment (Without Late Fee)	3 Classes Begin	4	5	6	7	Enrollment & Classes Begin
	8	9 Muharram	10	11 Last date of Enrollment with late fee of Rs. 1000. Last date of Add & Drop	12	13	14	Last date of Enrollment Last date of Add & Drop
	15 Independence Day	16	17	18	19 Janmashtami	20	21	
	22	23	24	25	26	27	28	
September 2022	29	30	31	1	2	3	4	
	5	6	7	8 Mid Term Exam – I Slot A & B & C	9 Mid Term Exam – I Slot D & E & F	10 Mid Term Exam – I Slot G & H & I	11	Mid Term Exam – I
	12	13	14	15	16 Last Date of Special MTE-I	17	18	Special MTE-I
	19	20 Last Date of Course Withdrawal, Conversion from Credit to Audit Course	21	22 Last Date of Display of MTE-I Marks	23	24	25	Last Date of Course Withdrawal, Conversion from Credit to Audit Course Last Date of Display of MTE-I Marks
	26	27	28	29	30	1	2 Gandhi Jayanti	
	34	35	36	37	38	39	40	
	43	44	45	46	47	48	49	
October 2022	3	4	5 Dussehra	6	7	8	9	
	10	11	12	13 Mid Term Exam – II Slot A & B & C	14 Mid Term Exam – II Slot D & E & F	15 Mid Term Exam – II Slot G & H & I	16	Mid Term Exam – II
	17 Convocative Meeting for Notification of courses to be offered in Even Semester - 2023	18	19 Last Date of Special MTE-II	20	21	22	23	Special MTE-II Last Date of Display of MTE-II Marks Mid Term Break Starts
	24 Deepawali	25	26	27	28	29	30	Mid Term Break Ends Mid Term Break Ends
November 2022	31 Display of List of Courses with Seats to be offered in Even Semester - 2023	1	2 Last Date of Display of MTE-II Marks	3	4 Registration for Even Semester - 2023	5	6	Registration for Even Semester - 2023
	7	8 Guru Nanak Jayanti	9	10	11	12	13	
	14	15	16	17	18	19 Tuesday time Table	20	
	21	22	23	24	25	26	27	
	28	29 End Term Exam of P Type courses Student Initiated Teaching	30 End Term Exam of P type courses Display of short Attendance of L type courses	1 End Term Exam of P type courses Display of Internal Marks of L & P Type courses	2 End Term Exam Slot A	3 End Term Exam Slot B	4	End Term Exam Slot C
	5 End Term Exam Slot C PhD RPC Presentation	6 End Term Exam Slot D PhD RPC Presentation	7 End Term Exam Slot E PhD RPC Presentation	8 End Term Exam Slot F PhD RPC Presentation	9 End Term Exam Slot G PhD RPC Presentation	10 End Term Exam Slot H PhD RPC Presentation	11	End Term Exam Slot I PhD RPC Presentation
	12 End Term Exam Slot I PhD RPC Presentation	13 Last date of Special ETE PhD RPC Presentation	14 Last Date of Showing Answer Sheets	15 Examination Meeting for Finalization & Display of Grades for L & P Type courses	16 Last date for Grievance	17 Winter Vacation Starts For Students & Faculty Members	18	Special ETE Display of Grades Winter Vacation
19	20	21	22	23	24	25 Christmas		
26	27	28	29	30	31 Winter Vacation Ends (For Faculty Members) Winter Vacation Ends (For Students)	1	Winter Vacation Ends	
December 2022	2 Enrollment (Without Late Fee)	3 Classes Begin	4	5	6	7	8	Enrollment & Classes Begin for Even Sem 2023
	9	10	11	12	13	14	15	

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Even Semester - 2023

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Activity of Week
January 2023	2	3	4	5	6	7	8	Enrollment & Classes Begin
	9	10	11	12	13	14	15	Last date of Enrollment with late fee of ₹1000 And Add B Drop
	16	17	18	19	20	21	22	Last date of Add B Drop
	23	24	25	26	27	28	29	
	30	31	1	2	3	4	5	
	6	7	8	9	10	11	12	Mid Term Exam - I
	13	14	15	16	17	18	19	
February 2023	20	21	22	23	24	25	26	Special MTE-I, Course Withdrawal, Conversion from Credit to Audit course Display of MTE-I Marks
	27	28	1	2	3	4	5	Mid Term Break Starts for students
	6	7	8	9	10	11	12	Mid Term Break Ends for students
	13	14	15	16	17	18	19	Mid Term Exam - II
	20	21	22	23	24	25	26	
	27	28	29	30	31	1	2	Special MTE-II
	3	4	5	6	7	8	9	Display of MTE-II Marks
March 2023	10	11	12	13	14	15	16	Committee Meeting for Realization of courses to be offered in Odd Semester 2023
	17	18	19	20	21	22	23	Display of List of Courses, Registration for Odd Semester - 2023
	24	25	26	27	28	29	30	
	31	1	2	3	4	5	6	Friday time table
	7	8	9	10	11	12	13	Thursday time table
	14	15	16	17	18	19	20	Friday time table
	21	22	23	24	25	26	27	Friday time table
April 2023	28	29	30	1	2	3	4	Display of Attendance and Internal Marks of L, B & P type courses
	5	6	7	8	9	10	11	End Term Exam Slot A
	12	13	14	15	16	17	18	End Term Exam Slot B
	19	20	21	22	23	24	25	End Term Exam Slot C
	26	27	28	29	30	1	2	End Term Exam Slot D
	3	4	5	6	7	8	9	End Term Exam Slot E
	10	11	12	13	14	15	16	End Term Exam Slot F
May 2023	17	18	19	20	21	22	23	End Term Exam Slot G
	24	25	26	27	28	29	30	Last Date of Special ETE, Last Date of Showing Answer Sheets
	31	1	2	3	4	5	6	Committee Meeting for Finalization & Display of Grades (L, P & Y type courses)
	7	8	9	10	11	12	13	Committee Meeting for Finalization & Display of Grades (For Students)
	14	15	16	17	18	19	20	Summer Vacation begins (For Students)
	21	22	23	24	25	26	27	Summer Vacation begins (For Faculty Members)
	28	29	30	1	2	3	4	Summer Vacation ends (For Faculty Members)
June 2023	5	6	7	8	9	10	11	Mid Term Exam - I
	12	13	14	15	16	17	18	
	19	20	21	22	23	24	25	
	26	27	28	29	30	1	2	Mid Term Exam - II
	3	4	5	6	7	8	9	
	10	11	12	13	14	15	16	Summer Vacation Ends For Faculty
	17	18	19	20	21	22	23	End Term Exam
July 2023	24	25	26	27	28	29	30	Committee Meeting for Finalization & Display of Grades
	31	1	2	3	4	5	6	Last date for Grievance
	7	8	9	10	11	12	13	Classes Begin (For Odd Semester 2023)
	14	15	16	17	18	19	20	Summer Vacation Ends (For Students)

04.07 STUDENTS STRENGTH

04.07.1 SANCTIONED INTAKE AND ACTUAL INTAKE

Numbers of students admitted in First year B. Tech. during the year 2022-23:

B.Tech. First Year (2022 Batch):

S. No.	Branch	Duration	Sanctioned Intake	Enrolled
1.	Civil Engineering	4 Years	36	34
2.	Computer Science & Engineering	4 Years	36	36
3.	Electronics Engineering	4 Years	36	34
4.	Electrical Engineering	4 Years	36	34
5.	Mechanical Engineering	4 Years	36	32
Total			180	170

Numbers of students admitted in First year M. Tech. during the year 2022-23:

M.Tech. First Year (2022 Batch):

S. No.	Branch	Duration	Sanctioned Intake	Enrolled
1.	Civil Engineering	2 Years	19	06
2.	Computer Science & Engineering	2 Years	19	01
3.	Electronics Engineering	2 Years	19	05
4.	Electrical Engineering	2 Years	19	00
5.	Mechanical Engineering	2 Years	19	01
Total			95	13
Self-Sponsored			Total	4

Total 74/72 (Full Time/Part Time) students are enrolled in Ph.D. programme in various departments. In the current year, 17/09 (Full Time/Part Time) students got enrolled in the programme.

Ph.D. Students (2022-23):

S. No.	Branch	Sanctioned Intake	Enrolled
1.	Civil Engineering	40	03
2.	Computer Science & Engineering		03
3.	Electronics Engineering		01
4.	Electrical Engineering		01
5.	Mechanical Engineering		03
6.	Chemistry		01
7.	Mathematics		02
8.	Physics		03
9.	English		00
Total			17

04.07.2 ENROLLMENT WITH GENDER AND CASTE BREAK-UP

A) Undergraduate Courses (B.Tech.)

Name of the Programme	Total No. of Students (all years)			Out of Total No. of student shown in Col. (2)& (3)								
				SC			ST			PWD		
<i>B.Tech.</i>	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
I Year	137	33	170	21	5	26	12	2	14	3	0	3
II Year	124	33	157	22	6	28	9	4	13	1	0	1
III Year	69	21	90	10	4	14	4	3	7	3	0	3
IV Year	74	14	88	12	2	14	5	2	7	2	0	2
Total	404	101	505	65	17	82	30	11	41	9	0	9

B) Postgraduate Courses

(i) M. Tech.

Name of the Programme	Total No. of Students (all years)			Out of Total No. of student shown in Col. (2)& (3)								
				SC			ST			PWD		
<i>M.Tech.</i>	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
I Year	16	1	17	1	0	1	1	0	1	0	0	0
II Year	18	3	21	2	2	4	0	0	0	0	0	0
Total	34	4	38	3	2	5	1	0	1	0	0	0

(ii) Ph.D.

Name of the Programme	Total No. of Students (all years)			Out of Total No. of student shown in Col. (2)& (3)								
				SC			ST			PWD		
<i>Ph.D</i>	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
	116	30	146	16	1	17	2	2	4	2	0	0

04.07.3 STUDENT ON ROLLS B.TECH. (CLASS & BRANCH-WISE) DURING 2022-23

Data as per Student Category (2022 Batch)												
	Number of Total Students Enrolled											
	Gen		Gen (EWS)		SC		ST		OBC		Total	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls
CIV												
Total	9	1	7	3	5	1	3	1	10	2	34	8
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0

Other Minority	0	0	0	0	0	0	0	0	0	0	0	0	0
CSE													
Total	14	2	6	3	5	1	3	0	8	1	36	7	
PWD (Out of Total)	1	0	0	0	0	0	0	0	0	0	1	0	
Muslim Minority	0	0	0	0	0	0	0	0	1	0	1	0	
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0	
ECE													
Total	8	2	7	0	5	1	3	1	11	0	34	4	
PWD (Out of Total)	1	0	0	0	0	0	0	0	1	0	2	0	
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0	
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0	
EEE													
Total	9	3	3	0	6	2	3	0	13	4	34	9	
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0	
Muslim Minority	0	0	0	0	0	0	0	0	1	0	1	0	
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0	
MEC													
Total	11	2	6	0	5	0	2	0	8	3	32	5	
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0	
Muslim Minority	2	0	1	0	0	0	0	0	0	0	3	0	
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0	

Data as per Student Category (2021 Batch)													
	Number of Total Students Enrolled												
	Gen		Gen (EWS)		SC		ST		OBC		Total		
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls	
CIV													
Total	5	0	2	0	6	3	4	0	10	3	27	6	
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0	
Muslim Minority	0	0	0	0	0	0	0	0	1	0	0	0	
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0	
CSE													
Total	10	2	7	2	5	1	3	1	11	3	36	9	
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0	
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0	
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0	
ECE													
Total	13	4	8	2	5	1	3	2	7	1	36	1	
PWD (Out of Total)	1	0	0	0	0	0	0	0	0	0	1	0	

Muslim Minority	1	0	0	0	0	0	0	0	0	0	1	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
EEE												
Total	10	1	3	1	6	1	2	0	12	1	33	4
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	1	1	0	0	0	0	1	0	0	3
Other Minority	0	0	0	0	0	0	0	0	0	0	2	0
MEC												
Total	4	2	6	0	6	0	2	1	7	1	25	4
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	1	1	0	0	0	0	0	0	1	0	0	0
Other Minority	1	0	0	0	0	0	0	0	0	0	0	0

Data as per Student Category B.Tech. (2020 Batch)											
	Number of Total Students Enrolled										
	Gen		SC		ST		OBC		Total		
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls	
CIV											
Total	5	1	1	0	2	2	7	1	15	4	
PWD (Out of Total)	0	0	0	0	0	0	1	0	1	0	
Muslim Minority	0	0	0	0	0	0	1	0	1	0	
Other Minority	0	0	0	0	0	0	0	0	0	0	
CSE											
Total	12	2	3	1	1	0	5	2	21	5	
PWD (Out of Total)	1	0	0	0	0	0	0	0	1	0	
Muslim Minority	0	0	0	0	1	0	1	0	2	0	
Other Minority	0	0	0	0	0	0	0	0	0	0	
ECE											
Total	10	4	3	1	1	0	6	1	20	6	
PWD (Out of Total)	0	0	0	0	0	0	1	0	1	0	
Muslim Minority	0	0	0	0	0	0	1	0	1	0	
Other Minority	0	0	0	0	0	0	0	0	0	0	
EEE											
Total	6	1	3	1	1	1	5	0	15	3	
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	
Muslim Minority	1	0	0	0	0	0	1	0	2	0	
Other Minority	0	0	0	0	0	0	0	0	0	0	
MEC											
Total	7	0	4	1	2	0	6	2	19	3	
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	

Muslim Minority	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0

Data as per Student Category (2019 Batch)										
	Number of Total Students Enrolled									
	Gen		SC		ST		OBC		Total	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls
CIV										
Total	8	1	2	0	1	1	6	0	17	2
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0
CSE										
Total	9	2	2	0	2	0	6	0	19	2
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	1	0	1	0
Other Minority	0	0	0	0	0	0	0	0	0	0
ECE										
Total	8	1	3	1	2	1	5	2	18	5
PWD (Out of Total)	1	0	0	0	0	0	0	0	1	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0
EEE										
Total	9	1	4	1	2	0	3	1	18	3
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	1	1	1	1
Other Minority	1	0	0	0	0	0	0	0	1	0
MEC										
Total	6	2	3	0	0	0	7	0	16	2
PWD (Out of Total)	1	0	0	0	0	0	0	0	1	0
Muslim Minority	1	0	0	0	0	0	1	0	2	0
Other Minority	0	0	0	0	0	0	0	0	0	0

STUDENT ON ROLLS M.TECH. (CLASS & BRANCH-WISE) DURING 2022-23

Data as per Student Category (2022 Batch)												
	Number of Total Students Enrolled											
	Gen		Gen (EWS)		SC		ST		OBC		Total	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls
CIV												
Total	3	0	0	0	1	0	1	0	3	0	8	0
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0

Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
CSE												
Total	2	1	0	0	0	0	0	0	0	0	2	1
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
ECE												
Total	5	0	0	0	0	0	0	0	0	0	5	0
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
EEE												
Total	0	0	0	0	0	0	0	0	0	0	0	0
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
MEC												
Total	2	0	0	0	0	0	0	0	0	0	2	0
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	1	0	0	0	0	0	0	0	0	0	1	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
Data as per Student Category (2021 Batch)												
	Number of Total Students Enrolled											
	Gen		Gen (EWS)		SC		ST		OBC		Total	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls
CIV												
Total	3	0	2	0	2	0	0	0	3	0	10	0
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	1	0	0	0	0	0	0	0	1	0	2	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
CSE												
Total	3	0	0	0	1	1	0	0	2	1	6	2
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
ECE												
Total	1	0	0	0	1	1	0	0	0	0	2	1
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0

EEE													
Total	1	0	0	0	0	0	0	0	0	1	0	2	0
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0	0
MEC													
Total	1	0	0	0	0	0	0	0	0	0	0	1	0
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0	0

C. Ph.D. STUDENT ON ROLL (CLASS-WISE & BRANCH-WISE) DURING 2022-23

Data as per Student Category (2022 Batch)												
	Number of Total Students Enrolled in PhD											
	Gen		Gen (EWS)		SC		ST		OBC		Total	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls
CIV												
Total	8	2	1	1	1	0	2	2	4	0	16	5
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	1	0	0	0	0	0	0	0	1	0	2	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
CSE												
Total	22	5	0	0	5	0	0	0	3	1	30	6
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
ECE												
Total	12	1	0	0	5	0	0	0	3	1	20	2
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
EEE												
Total	12	2	1	0	0	0	0	0	1	0	14	2
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
MEC												
Total	21	0	0	0	5	0	1	0	6	0	33	0
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	1	0	0	0	0	0	0	0	0	0	1	0
PHYSICS												
Total	3	1	1	1	0	0	0	0	2	0	6	2
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	1	0	0	0	0	0	0	0	0	0	1	0
CHEMISTRY												

Total	8	5	0	0	1	1	1	0	1	1	11	7
PWD (Out of Total)	1	0	0	0	0	0	0	0	0	0	1	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
MATHEMATICS												
Total	8	3	3	0	0	0	0	0	1	0	10	3
PWD (Out of Total)	0	0	0	0	0	0	0	0	0	0	0	0
Muslim Minority	0	0	0	0	0	0	0	0	1	0	1	0
Other Minority	0	0	0	0	0	0	0	0	0	0	0	0
ENGLISH												
Total	4	2	1	1	0	0	0	0	1	0	6	3
PWD (Out of Total)	1	0	0	0	0	0	0	0	0	0	1	0
Muslim Minority	0	0	0	0	0	0	0	0	0	0	0	0
Other Minority	1	0	0	0	0	0	0	0	0	0	1	0

04.08 SCHOLARSHIPS/MONETARY ASSISTANCE TO STUDENTS

04.08.1.1 STATEMENT SHOWING THE DETAILS OF VARIOUS SCHOLARSHIP AND STIPENDS AWARDED

S. No.	Name of the Scholarship/Stipends	No. of Awarded	Amount Received (₹)	Date of receiving the Amount (₹)	Disbursed and Adjusted as T/F Amount (₹)
1.	Central Sector Scholarship scheme of Top Class Education for SC Students	31	-	-	433280
2.	Central Sector Scholarship schem of Top Class Education for ST Students	15	-	-	-
3.	Central Sector Scholarship for College and University Students	3	-	-	-
4.	Post Matric Scholarship for Students with Disabilities	8	-	-	-
5.	Post Matric Scholarship for Students - Uttarakhand	27	-	-	-
6.	Post Matric Scholarship Scheme Minorities CS	3	-	-	-
7.	Merit-Cum-Means Scholarship for Prefession and Technical Courses CS	6	-	-	-
8.	Swami Dayanand Education Foundation	1	20000	20/05/2022	20000
9.	Prime Minister Scholarship Scheme for Central Armed Police Forces and Assam Rifles	4	-	-	-

10.	Social Justice Department Scholarships Rajasthan Government	5			
11.	Shraman Foundation Scholarship	18	489300	18/10/2022	430000
12.	Ph.D. Fellowship	59			13772578
13.	M.Tech. (GATE Scholarship)	68	-	-	4306737

05.0 DEPARTMENTS

05.01 DEPARTMENT OF CIVIL ENGINEERING

Department of Civil Engineering, NIT Uttarakhand was established in 2013 with an intake of 60 students. The department offers a four-year course leading to the bachelor's degree in Civil Engineering. The Department of Civil Engineering has an advanced academic structure with core courses and a variety of elective courses so that the students' knowledge is not only enhanced in core discipline but also in the related disciplines. The department also offers postgraduate courses in Structural Engineering, Transportation Engineering and Geotechnical Engineering along with Ph. D. degree program in all the specializations of civil engineering.

Vision:

To achieve recognition through academic excellence and exemplary research for sustainable infrastructure development with special emphasis on hilly terrains.

Mission:

- Nurturing students with technical knowledge of Civil Engineering with an emphasis on hilly terrains.
- Develop centre of excellence for pertinent natural hazards in Himalayan region.
- Conduct pioneering research on sustainable infrastructural development.
- Providing outreach services and technical expertise to various stakeholders of the society.
- Achieving professional ethics and code of conduct.

ACADEMIC STAFF:

S.No.	Faculty Name	Designation	Areas of Specialization
1	Dr. Kranti Jain	Head & Assistant Professor	Structural concrete, Non Destructive testing of materials Retrofitting and Rehabilitation of structures, Shear behaviour of SFRC beams
2	Dr. A. K. Anupam	Assistant Professor	Transportation Engineering, Pavement Materials, Pavement Evaluation, Ground Improvement Techniques, Traffic Engineering
3	Dr. Vikas Pratap Singh	Assistant Professor	In-situ earth retaining structures, Soil nailing technique, Reinforced earth, analytical and computational modelling of geotechnical structures, Reliability-based analysis, and ground improvement techniques
4	Dr. Smita Kaloni	Assistant Professor	Structural Engineering, Structural Dynamics, Earthquake Resistant Design, Structural Health Monitoring
5	Dr. Shashank Bhatra	Assistant Professor	Geotechnical Engineering, Foundation Engineering, Stability Analysis of Slopes, Stability Analysis of Underground Excavations,

			Earth Retaining Structures, Ground Improvement Techniques, Lumped Parameter Modelling of Reinforced Earth Bed, Influence of Dynamic Loads on Geotechnical Engineering Structures.
6	Dr. Bibhash Kumar	Assistant Professor	Stability Analysis of Tunnels/ Underground Structures, Bearing Capacity of Foundations, Pull Out Capacity of Anchors, Strength Behaviour of Rocks, Reinforced Earth Structures
7	Dr. Muskan Mayank	Assistant Professor	Groundwater Hydraulics, Sediment Transport and Control, Hydrological Safety and Risk Assessment of Hydraulic Structures, Unsaturated flow modelling
8	Dr. Shashi Narayan	Assistant Professor	Computational mechanics, Behaviour of Cold Form Steel Shear wall panels, Base Isolation Techniques, Earthquake engineering, Wind engineering, Soil structure Interaction, Fluid Structure Interaction, Structural Engineering, Finite Element Method, Meshless Method
9	Dr. Amardeep	Assistant Professor	Structural concrete, Fiber Reinforced Concrete, Concrete Structures, Bridge Engineering, Contracts in Construction, Engineering Economics
10	Dr. Abhinav Kumar	Trainee Teacher	Traffic Engineering, Road Traffic Safety, Statistical Techniques and Modeling in Traffic Engineering, Road User Behavior

NON-TEACHING STAFF : **02**

Ph.D. STUDENTS : **15** (08 Full Time and 07 Part Time)

RESEARCH AND DEVELOPMENT INFRASTRUCTURE/LABORATORIES:

- Soil Testing Lab
- Engineering Geology Lab
- Fluid Mechanics Lab
- Environmental Engineering Lab
- Surveying Lab
- Concrete Testing Lab
- Building Material Testing Lab
- Transportation Engineering Lab
- Computational Facilities

MAJOR FACILITIES IN THE DEPARTMENT

TESTING FACILITIES

- Tri Axial Test
- Universal Permeability Test
- Consolidation Test
- Plate Load test
- Creep Testing machine
- Servo Controlled Compression Testing Machine (CTM)
- Rebound Hammer
- Self-Compacting Concrete equipments
- Air/Water Permeability test for concrete
- CBR Test
- Marshall Test
- Benkelman Beam Test
- Diamond Core Cutter
- Dynamic Shear Rheometer
- Centrifugal Extractor
- Centrifuge
- Muffle Furnace
- UV-Vis Spectrophotometer
- Distill water Apparatus
- COD Digester
- Photometer
- Skid Resistance test

BUILDING MATERIAL AND CONSTRUCTION MANAGEMENT LAB



CONCRETE TESTING LAB



FLUID MECHANICS LAB



ENGINEERING GEOLOGY LAB



SOIL TESTING LAB



SURVEY LAB



ENVIRONMENTAL ENGINEERING LAB





TRANSPORTATION ENGINEERING LAB



FORENSIC ENGINEERING AND REHABILITATION OF STRUCTURES LAB



DETAILS OF R&D PROJECTS:

S. No.	Title of the R&D Project	Funding Agency	Name of PI/Co-PI	Sanctioned Amount Rs. (in Lacs)	Status
1	Development of empirical model for fundamental natural period of buildings constructed in hilly Terrains	Science and Engineering Research Board	Dr. Smita Kaloni (PI) and Dr. Shashank Bhatra (Co-PI)	40.86	Ongoing

DETAILS OF CONSULTANCY PROJECTS:

S. No.	Consultancy Project Given by	Name of Project Investigator	Co-PI	Consultancy Amount (₹)	Status
1.	M/s Keslec Design.	Dr. Shashi Narayan	Dr. Amardeep	4,13,000/-	Completed
2.	M/s Eco Protection Engineers Pvt. Ltd..	Dr. Shashi Narayan	Dr. Amardeep	11,800/-	Completed
3.	M/s Festal Consulting Engineers Pvt. Ltd.	Dr. Shashi Narayan	Dr. Amardeep & Dr. Shashank Bhatra	1,53,400/-	Completed
4.	M/s RCC Developers Limited.	Dr. Aditya Kumar Anupam	Dr. Abhinav Kumar	1,77,000/-	Completed
5.	M/s M.N. Construction Co	Dr. Shashi Narayan	-	23,600/-	Completed
6.	M/s PWD Saharanpur	Dr. Aditya Kumar Anupam	-	59,000/-	Completed

HIGHLIGHTS/ACHIEVEMENTS:

DETAILS OF CONFERENCES/STC/FDPs/ EXPERT LECTURES ETC ORGANIZED:

- Expert Lecture and Orientation Session on “Effective Teaching, Learning and Innovation for Faculty Members, Staff and Students” during December 13-15, 2022, organized by Dr. Abhinav Kumar.
- Five days Faculty Development Programme (FDP) on “Capacity Building for Productivity Enhancement” from May 31- June 04, 2022, organized by Dr. Abhinav Kumar.
- Faculty Development Programme (FDP) on “National Education Policy (NEP) 2020- Challenges in Implementation in HEIs” on 10th June 2022, organized by Dr. Abhinav Kumar.
- Interaction session by Prof. (Dr.) H. M. Gupta, IIT Delhi, for institute interaction and communication for the duration of May 23-26, 2022, organized by Dr. Abhinav Kumar.
- Expert Lecture on “Experience in Structural Design at MNC” on 25/02/2023, organized by Dr. Muskan Mayank.
- Dr. Arun Jugran, Member INYAS (New Delhi), Scientist-D, G. B. Pant National Institute of Himalayan Environment, Garhwal Regional Centre, Srinagar (Garhwal), delivered an expert lecture on “Biodiversity Conservation in Himalayan Context” via Google Meet platform at 11:00 am on 21st June 2022. Dr. Shashank Bhatra coordinated the expert lecture.
- Two-day expert lecture was held on the 21st and 22nd of November by Dr. Jagdeesh Prasad Sahoo, IIT Kanpur, on “Advance Failure Criteria for Soils.” Dr. Bibhash Kumar coordinated the expert lecture.
- An expert lecture was held on 17th and 18th November by Dr. Jagdeesh Prasad Sahoo, IIT Kanpur, on “Critical State Soil Mechanics and its Applications.” Dr. Shashank Bhatra coordinated the expert lecture.
- An expert lecture on “Climate change and Wetlands research: Nature Society interrelationship” was delivered by Dr. Rupesh K Bhomia, Scientist, Centre for International Forestry Research, Bogor, Indonesia, in hybrid mode on 15.01.2023. Dr. Shashank Bhatra coordinated the expert lecture.

DETAILS OF CONFERENCES/STC/FDPS ATTENDED:

- GIAN course on “Water Sensitive Urban Design and Integrated Urban Water Management”, IIT Roorkee, 19-23th December 2022 by Dr. Muskan Mayank

OUTREACH ACTIVITIES:

- Dr. Shashank Bhatra visited HNBBG University for Structural Audit, Internal assessment, quality evaluation and auditing of HNBBG University construction works as an External Member of Committee.

SPECIAL ACHIEVEMENTS:

- Dr. Amardeep completed his PhD from IIT Kanpur (2022) on the topic “Assessment of pedestrian safety at signalized intersections using traffic conflict technique.”
- Dr. Abhinav Kumar got the Life Membership of Indian Roads Congress (IRC) in August, 2022.
- Dr. Muskan Mayank got the Life Membership of Indian Society for Hydraulics (ISH), in October, 2022
- Dr. Muskan Mayank got the Life Membership of Indian Society for Hydraulics (ISH), in March 2023
- Dr. Amardeep got Lifetime membership of Institute of Engineers (IEI) India.
- Dr. Shashi Narayan got Lifetime membership of Institute of Engineers (IEI) India.
- Dr. Amardeep got Associate Member of American Society of Civil Engineers (ASCE).
- Dr. Shashi Narayan got Associate Member of American Society of Civil Engineers (ASCE).
- Dr. Amardeep got Chartered Engineer Certification.
- Dr. Shashi Narayan got Chartered Engineer Certification.
- Dr. Amardeep got appointed as Auditor for fly-ash utilization by Thermal Power Plants by Central Pollution control Board (CPCB).
- Dr. Shashi Narayan got appointed as Auditor for fly-ash utilization by Thermal Power Plants by Central Pollution control Board (CPCB).
- Dr. Bibhash Kumar got appointed as Auditor for fly-ash utilization by Thermal Power Plants by Central Pollution control Board (CPCB).
- Dr. Shashank Bhatra got appointed as Auditor for fly-ash utilization by Thermal Power Plants by Central Pollution control Board (CPCB).

STUDENT'S ACHIEVEMENTS

- Mr Shashank Singh, Alumni (2015-19) batch, Department of Civil Engineering secured All India Rank 103 in Engineering Services Exam. 2022.
- Mr Ramvilas Singh Patel Alumni 2013-17 batch Department of Civil Engineering received the award for outstanding performance in Rewa Sidhi Tunnel Project by Honourable Minister Sh. Nitin Gadkari and Chief Minister Madhya Pradesh h. Shivraj Singh Chauhan.
- Mr. Prabhanjan Prasoon MTech. Scholars 2020-22 batch got admission to PhD program at IIT Jodhpur.
- Mr. Ashok Kumar Sharma (BT19CIV007) got placed in L&T with a package 6 LPA.
- Mr. Animesh Singh (BT19CIV006) got placed in L&T with a package 6 LPA.
- Mr. Jagatpal Singh Gusain (BT19CIV019) got placed in L&T with a package 6 LPA
- Ms. Priyanka Bohra (BT19CIV005) got place in Samsung Engineering India with a Package 7.2 LPA.
- Mr. Pranshu Sinha (BT19CIV004) got place in CDAC with Package 7.5 LPA.
- Mr. Ajay Kumar (BT19CIV016) got place in Aakash Byju's with Package 7.25 LPA.
- Mr. Vivek Joshi (MT21CIV003) got placed in L&T with a package 6 LPA.

- Mr. Chirag Nagar (BT19CIV010) got Internship opportunity in RCC Developers Limited.

STUDENT PROJECTS:

Department offers major and minor projects in various research and industry-oriented topics to students. Under the close mentorship of department faculty members, students learn to use the application of theory for the solution of practical problems. Department hosts a semester project exhibition where student projects are showcased to the institute. This learning environment not only gives sufficient knowledge to our students but also prepares them for presenting their organization and work in a better communicative way. Some of the broad topics for the project for the current year are as follows. Pavement evaluation of hill roads

- Modeling of traffic flow on highways using simulation technique.
- Pedestrian traffic simulation on urban roads.
- Effect of a pedestrian on vehicular speed on hilly roads.
- Speed Analysis on hill roads in mixed traffic conditions.
- Study of Laterally Loaded Vertical Piles in a Layered Soil System.
- Modeling of rear-end conflicts between vehicles at signalized intersections.
- Modeling of pedestrian-vehicle interactions using social force model.
- Design of Cold Form Steel Buildings.
- Earthquake resistant design of building on slopes.
- Stability Analysis of Embankment over Soft Anisotropic Undrained Clay.
- Pedestrian Traffic Simulation at Intersections.
- Effect of Aggregate and type of fillers on cold asphalt mixture attitude.

OTHER ACTIVITIES

Student Initiated Event:

Departmental Gathering:

Students of Department of Civil Engineering, NIT Uttarakhand organized a student activity on 23.11.22 to share the department's past achievements, Lab infrastructures, student initiatives and future prospects in Civil Engineering at NIT Uttarakhand to the newly admitted B.Tech. and M.tech. Students of 2022 batch under the banner of Samiksha-The Society of Civil Engineering, NIT Uttarakhand. The event was coordinated by student coordinator Mr. Vivek Joshi (M.Tech. Scholar 2021 Batch) and a dedicated team of B.Tech. as well as M.Tech. volunteers. Honb'le Director NIT Uttarakhand Prof. Lalit Kumar Awasthi graced the occasion as Chief Guest of the Function and motivated the students to initiate more such student initiated activities. Dr. Rakesh Kumar Mishra, Associate Dean Student welfare, Dr. Kranti Jain, Head of the Department Civil Engineering, Dr. Shashank Bhatra, Departmental Student Activity Incharge (Technical and Cultural) and other faculty members of the Department of Civil Engineering were also present on the occasion.





Aptitude Tests:

Aptitude tests help to round out a child's profile which is useful in seeking academic and career guidance. To empower the students with this essential indicator, an aptitude test was conducted by SAMIKSHA- The Society of Civil Engineering on 19th January 2023 for all students of different branches and years within the institute. The names of top three positions were displayed in the Notice Board (Students Corner) of Department of Civil Engineering. Here are few of the Glimpses of the Event



Workshop on Autocad

Workshop on the AutoCAD software was organised by Samiksha- The Society of Civil Engineering from February 22-25, 2023. The students of M.Tech. Structural Engineering at the institute explained the B. Tech. participants about various commands to be used while drafting a floor plan in AutoCAD. The students were given hands on training with the student version of the software so as to provide them an idea on executing various design projects. Here are few of the glimpses of the event;



Debate Competition:

Samiksha-The Civil Engineering Society conducted a debate competition on the topic of 'Source sustainability for drinking water' under the Jal Shakti Abhiyan (JSA) launched by the Ministry of Jal Shakti on 29 March 2023 at 5:30 PM. The event featured several teams of debaters who argued for and against the proposition that governments should prioritize the sustainability of water sources for drinking water. The debate was lively and engaging, with participants presenting a range of arguments and evidence to support their positions.



05.02 COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

The Department of Computer Science and Engineering (CSE) is an integral part of National Institute of Technology (NIT) Uttarakhand. The department started in 2010 with an intake of 36 students in B. Tech. Programme in CSE. Further, Department started M.Tech. and Ph.D. Programme from 2016. The Department offers M. Tech in specialization:

1. **Artificial Intelligence (AI)**
2. **Computing Systems (CS)**

The courses run by the department are as per the recent issues related to AI and CS technologies and their applications.

Vision:

To foster an ecosystem of global standard in the field of computing to serve industry and society.

Mission:

- Establish high end computing facilities for technical education, research and skill development.
- Impart education to meet next generation computing challenges.
- To promote recent and futuristic advances in the field of computing for sustainable development.
- To produce skilled engineers and researchers to serve industry and society globally.

ACADEMIC STAFF:

S. No.	Faculty Name	Designation	Areas of Specialization
1.	Dr. Kamal Kumar	Assistant Professor & Head	WSN, Security, Cloud Computing, Deep Learning, Artificial Intelligence etc.
2.	Dr. Nitin Kumar	Assistant Professor	Biometrics, Pattern Recognition, Image Processing, Visual Attention Modeling, Machine Learning.
3.	Dr. Maheep Singh	Assistant Professor	Saliency Detection, Image Processing, Machine Learning, Deep Learning, Network Security
4.	Dr. Abhimanyu Kumar	Assistant Professor	Cryptography, Cryptographic Key Establishment, Secure Multicasting, Attribute Based Cryptosystem, Smart Grid.
5.	Dr. Maroti Deshmukh	Assistant Professor	Cryptography and Multimedia Data Security, Secret Sharing Schemes, Machine Learning,
6.	Dr. Surendra Singh	Assistant Professor	Computer Networks, Secure Real Time System, Network Security, Vehicular and Mobile Ad-hoc network.
7.	Ms. Sneha Chauhan	Trainee Teacher	Cryptology and Information Security, Logical Analysis of Data, Machine Learning

NON-TEACHING STAFF:

S.No.	Name	Designation	S.No.	Name	Designation
1.	Mr. Vikas Kothari	Technical Assistant	5.	Mr. Manoj Kumar	Technician
2.	Mr. Vikas Singh Chauhan	Technical Assistant	6.	Mr. Yudhbir Singh Negi	Technician
3.	Mr. Rajesh Kumar	Technical Assistant	7.	Mr. Robin Manish Kujur	Technician
4.	Mr. Jai Dev	Technician	8.	Mr. Sachin Sharma	Technician

Ph.D. STUDENTS:

S. No.	Roll No.	Name	Full / Part Time	Supervisor	Co-Supervisor	Status
1	DT17CSJ001	Vivek Kumar Singh	Full Time	Dr. Nitin Kumar	-	Completed
2	DT17CSJ002	Manisha		Dr. Nitin Kumar	-	Completed
3	DT19CSJ002	Arun Singh Bhadwal		Dr. Kamal Kumar	-	On-going
4	DT20CSJ006	Arjun Singh Rawat		Dr. Maroti Deshmukh	Dr. Maheep Singh	On-going

5	DT20CSJ009	Sachin Choudhary		Dr. Abhimanyu Kumar	Dr. Krishan Kumar	On-going	
6	DT21CSJ001	Manmohan Pundir		Dr. Abhimanyu Kumar	-	On-going	
7	DT21CSJ002	Harendra Singh		Dr. Nitin Kumar	--	On-going	
8	DT21CSJ004	Sandeep Chand Kumain		Dr. Maheep Singh	Dr. Lalit Kumar Awasthi	On-going	
9	DT21CSJ008	Kashid Shamal Sanjay		Dr. Lalit Kumar Awasthi	Dr. Krishan Kumar	On-going	
10	DT22CSJ003	Priyanka Belwal		Dr. Surendra Singh	-	On-going	
11	DT22CSJ004	Vinay Prasad Tamta		Dr. Lalit Kumar Awasthi	Dr. Kamal Kumar	On-going	
12	DT23CSJ001	Rakhi Nautiyal		Dr. Maroti Deshmukh	--	On-going	
13	DT16CSJ001	Shiv Naresh Shivhare		Part Time	Dr. Nitin Kumar	-	Completed
14	DT19CSJ001	Prabhjot Kaur			Dr. Nitin Kumar	Dr. Maheep Singh	On-going
15	DT19CSJ003	Soni Chaurasia			Dr. Kamal Kumar	-	On-going
16	DT20CSJ001	Neeraj Rathore			Dr. Maheep Singh	Dr. Kamal Kumar	On-going
17	DT20CSJ002	Arvind Kumar Vishwakarma	Dr. Maroti Deshmukh		-	On-going	
18	DT20CSJ003	Shubhashish Goswami	Dr. Abhimanyu Kumar		-	On-going	
19	DT20CSJ004	Gaurav Sharma	Dr. Maheep Singh		-	On-going	
20	DT20CSJ005	Parul Saini	Dr. Krishan Kumar		-	On-going	
21	DT20CSJ007	Amit Panwar	Dr. Abhimanyu Kumar		-	On-going	
22	DT20CSJ008	Alok Negi	Dr. Krishan Kumar		-	On-going	
23	DT20CSJ010	Bhawana Parihar	Dr. Maroti Deshmukh		-	On-going	
24	DT20CSJ011	Baldivya Mitra	Dr. Maroti Deshmukh		Dr. Abhimanyu Kumar	On-going	
25	DT20CSJ012	Kushal Gupta	Dr. Surendra Singh		-	On-going	
26	DT20CSJ013	Devendra Prasad	Dr. Praveen Kumar		Prof. Lalit K. Awasthi	On-going	
27	DT21CSJ003	Vivek Tomar	Dr. Nitin Kumar		-	On-going	

28	DT21CSJ005	Kavi Bhushan		Dr. Kamal Kumar	Dr. Parveen Kumar	On-going
29	DT21CSJ006	Vivek Kumar		Dr. Kamal Kumar	Dr. Maheep Singh	On-going
30	DT21CSJ007	Ajeet Kumar Bhartee		Dr. Surendra Singh	-	On-going
31	DT22CSJ001	Deep Kumar		Dr. Lalit Kumar Awasthi	-	On-going
32	DT22CSJ002	Govind Kumar Rahul		Dr. Surendra Singh	Dr. Lalit Kumar Awasthi	On-going

RESEARCH AND DEVELOPMENT INFRASTRUCTURE/LABORATORIES:

The Department is equipped with latest Servers/Computers/workstations with Intel Xeon/i7 processor, 1TB Hard disk, 4 GB RAM and 23 inch monitors for comfortable view for students.

1. Servers	Server 1:	4-Dell M610 Blade Servers
	Server 2:	4-IBM Blade Servers
2. Internet Connectivity	NKN Leased Line of 01 Gbps and 100 Mbps backup line from ENet service provider	
3. Wi-Fi Connectivity	Whole Campus, Departments and Hostels are covered up with Wi Fi for Internet Connectivity	
4. Network Security	SOPHOS, XGS4500 with 2000 user connectivity	
5. Storage	Dell PowerVault NX3200	

The Department comprises of the five laboratories which are equipped with latest hardware and software like C/C++ Compilers, Java Run Time Environment, Python, Matlab, Weka, Cisco Packet Tracer, PHP with MySql, Microsoft Office, Ubuntu 21.04, Fedora 31 and open source softwares.

S. No.	Name of Laboratory	No. of Computer Systems	Software Installed	Online UPS Supply
1.	Programming Lab	30	C/C++, JAVA, MATLAB	10 KVA
2.	Linux Lab	32	Ubuntu Linux, C/C++, JAVA, MATLAB, LEX and FLEX	20 KVA
3.	Network Lab	32	C/C++, JAVA, MATLAB	
4.	Software Lab	30	C/C++, JAVA, MATLAB	10 KVA
5.	Project Lab	20 Workstations	Open Source Software	10 KVA
6.	Central Computer Centre	50 High end Systems	C/C++, JAVA, MATLAB, Open Source Software	20 KVA

Some photographs of the departmental laboratories are depicted below:

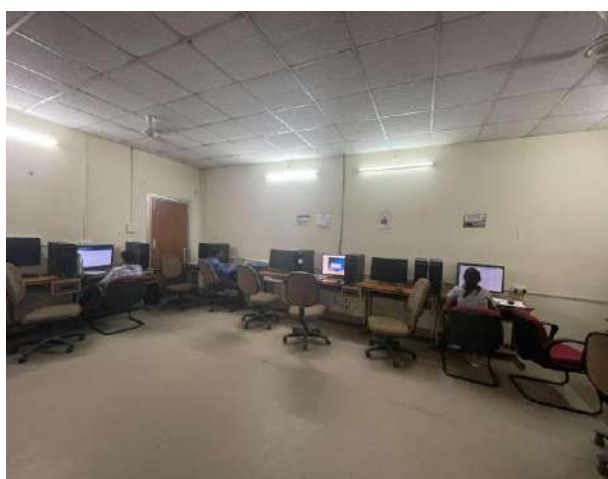
Programming Lab: This lab involves designing and implementing algorithms, creating software applications debugging and testing code, working with data structures and



Network Lab: The topics covered in network labs include routing protocols, network protocols and standards, wireless networks, network security, and network management.



Project Lab: This lab is mainly dedicated to research work for UG/PG and faculty members. This lab consists of a high speed computation platform to cater to the need of research in deep learning, cryptography, cloud computing etc.



Linux Lab: The linux lab is dedicated to experiments related to network security, database management systems, operating system and shell scripting.



Software Lab: Software lab facilitates the students to understand the basic principle of software design, software testing methodologies, software development life cycle, object-oriented programming and web development.



Hardware Configuration:

S. No.	Name of Laboratory	Hardware Configuration	
1.	<ul style="list-style-type: none"> ○ Programming Lab ○ Linux Lab ○ Network Lab 	Operating System	Windows 10, Ubuntu 20.04
		Processor	Intel core i3
		RAM	4 GB
		Hard Disk	500 GB
		Graphics Card	Inbuilt
		Display	19 inch

2.	○ Software Lab	Operating System	Windows 10, Ubuntu 20.04
		Processor	Intel core i7
		RAM	8 GB
		Hard Disk	1 TB
		Graphics Card	1 GB NIVIDIA
		Display	23 inch
3.	○ Project Lab	Operating System	Windows 10, Ubuntu 20.04
		Processor	Intel Xeon(R)E52620 v3
		RAM	16 GB
		Hard Disk	1 TB
		Graphics Card	2 GB NIVIDIA
		Display	23 inch

DETAILS OF R&D PROJECTS

S. No.	Title of the R&D Project	Funding Agency	Name of PI/Co-PI	Sanctioned Amount Rs. (in Lacs)	Status
1.	Development and Analysis of Cancellable Biometric Template Generation for Per Person Identification	Uttarakhand State Council for Science and Technology (UCOST), Dehradun	Dr. Nitin Kumar (PI)	2.09	Completed
2.	Secret Sharing Scheme Based Technology for Multimedia Security over Cloud	Department of Science and Technology, GoI	Dr. Krishan Kumar (PI)	40	Ongoing

DETAILS OF CONFERENCES/STC/FDPS ETC ORGANIZED

- A two Day Workshop on Financial Education for Young Citizens in collaboration with NSIM 13-14 Jan 2023 as Anchor Faculty by Dr. Kamal Kumar
- Department of Computer Science and Engineering, National Institute of Technology, Uttarakhand has organized an Expert Lecture on "Cyber security and its Applications," dated 02 November 2022. The coordinator for the workshop was Dr. Kamal Kumar, Head of Department, Computer Science and Engineering & Dr. Surendra Singh, Head Central Computer Centre.
- ATAL FDP Conducted during 31st October -11th November 2022 as a two-week program. The convener for the workshop was Dr. Kamal Kumar, Head of Department, Computer Science & Engineering. The online FDP was scheduled from November 07- 11, 2022 in the department of Computer Science and Engineering, at National Institute of Technology Uttarakhand, Srinagar Garhwal, Pauri Uttarakhand, India.
- A 2-day online workshop on Soft Skills Development was conducted during Sep. 12 – 13, 2022 by the Department of Computer Science and Engineering. The convener for the workshop was Dr. Kamal Kumar, Head of Department, Computer Science and Engineering. The coordinators of the workshop were Dr. Maheep Singh, Dr. Nitin Kumar, Dr. Maroti Deshmukh and Dr. Surendra Singh (Head Central Computer Centre).

- Five-Day Workshop on Article and Thesis Writing using Latex was organized by Department of Computer Science and Engineering, NIT Uttarakhand during Sep. 19 – 23, 2022. The convener for the workshop was Dr. Kamal Kumar, Head of Department, Computer Science and Engineering. The coordinators of the workshop were Dr. Abhimanyu Kumar, Dr. Nitin Kumar, Ms. Sneha Chauhan and Dr. Krishan Kumar.
- An expert lecture on Digital Worlds, Digital Platforms by Dr. Sithu D Sudarsan, Executive Director, C-DAC Bangalore on 30-03-2023, coordinator by Dr. Kamal Kumar.

DETAILS OF CONFERENCES/STC/FDPS ETC ATTENDED

- Sneha Chauhan attended the International Symposium on Cyber Security, Cryptology and Machine Learning (CSCML) from 29 to 30 June 2022 in online mode and presented a paper titled “Design of Intrusion Detection System Based on Logical Analysis of Data (LAD) Using Information Gain Ratio”.
- Sneha Chauhan attended 23rd International Conference on Intelligent Data Engineering and Automated Learning (IDEAL) from 24-26 November 2022 in online mode and presented a paper titled “A Comparative Study of LAD, CNN and DNN for Detecting Intrusions”.

OUTREACH ACTIVITIES

- Session Chaired by Dr. Surendra Singh in “2nd International Conference on Innovative Sustainable Computational Technologies (CISCT-2022)”, organized by Graphic Era Deemed to be University, Dehradun, 23rd – 24th December, 2022.
- Session Chaired by Dr. Surendra Singh in “International Conference on Computational Intelligence and Sustainable Engineering Solutions (CISES-2022)”, organized by the department of MCA, G L Bajaj Institute of Technology, Greater Noida, Delhi-NCR India on 20-22 May 2022.
- Kamal Kumar delivered an expert Lecture in a 5 Day FDP on Artificial Intelligence, Security in Cloud Computing and Blockchain, from 7/11/2022 to 11/11/2022, AIET Jaipur.
- Dr. Nitin Kumar delivered two expert lectures on Intensity Transformations and Image Transforms at Shaheed Sukhdev College of Business Studies, University of Delhi on April 25 and 27, 2022.
- An invited Talk delivered by Dr. Krishan Kumar on Role of Cloud Computing in the Digital Era in the online Knowledge Sharing Session webinar at IETE Hyderabad center on April 03, 2022.
- An invited Talk delivered by Dr. Krishan Kumar on Revolution from Machine Learning to Deep Learning and their Applications in the online webinar at Rameshwaram Institute of Tech. & Mgt., Lucknow with the collaboration of IETE Lucknow center on April 18, 2022.
- An Invited Talk to be delivered by Dr. Krishan Kumar on Machine Learning Applications and Challenges in Big Data Analysis in ISTE sponsored Online STTP on Big Data and Machine Learning at PR Pote College of Engg. & Mgt. Amravati on May 24, 2022.
- Session Chaired by Dr. Krishan Kumar in Online International Conference on Computational Intelligence and Sustainable Engineering Solution (CISES-2022) at G. L. Bajaj Institute of Tech. & Mgt., Greater Noida, on May 20, 2022.
- An invited Talk delivered by Dr. Krishan Kumar on How IoT impacts Digital Transformation in the Zonal seminar at IIT Guwahati with the collaboration of IETE Guwahati during May 27-28, 2022.

SPECIAL ACHIEVEMENTS:

- Prof. Lalit Kumar Awasthi received the best paper award for a paper titled “Fog Intelligence for Energy Optimized Computation in Industry 4.0”, International Conference on Artificial Intelligence of Things (ICAIoT), NITTR Chandigarh.

STUDENT'S ACHIEVEMENTS:

- Student Projects
- Industrial Visit
- Student's Internship

INTERNSHIP DETAIL FOR 2019-23 BATCH

S. No.	Name	Roll No.	Company Name	Stipend (In Rs.) Per Month
1.	Ujjwal	BT19CSE001	Optym	40000
2.	Deepanshu Taneja	BT19CSE005	Thoughtspot	100000
3.	Shivam Bindal	BT19CSE008	Optym	40000
4.	Ojaswi Sharma	BT19CSE018	Optym	40000
5.	Purvi Goyal	BT19CSE011	Adobe (1 LPM) 2 months	100000
6.	Anupam Panwar	BT19CSE002	Grow Simplee	25000
7.	Sachin Shah	BT19CSE015	Torcai	25000
8.	Purvi Goyal	BT19CSE011	Oracle	50000
9.	Neha Dhyani	BT19CSE003	Samsung R&D	40000
10.	Anuj Saxena	BT19CSE007	Fanatics	50000
11.	Mr. Sandeep Rana	BT19CSE014	Samsung Data Systems	30000
12.	Mr. Priyanshu Upadhyay	BT19CSE020	Bakai Tech Pvt. Ltd. (subsidiary of Foyer Tech, Inc)	40000

PLACEMENT DATA (2019-23 BATCH):

S.No.	Name	Branch	Companies Placed	Another Offer
1	Deepanshu Taneja	CSE	C-DOT	-
2	Shivam Bindal	CSE	C-DOT	Optym
3	Anuj Saxena	CSE	Fanatics	-
4	Ujjwal Kumar	CSE	C-DOT	Fanatics
5	Purvi Goyal	CSE	Publicis Sapient	Oracle
6	Anupam Panwar	CSE	Publicis Sapient	Unnicommerce
7	Deepak Garg	CSE	Publicis Sapient	-
8	Ankit Kumar	CSE	Publicis Sapient	-

9	Neha Dhyani	CSE	Samsung R&D	-
10	Sachin Shah	CSE	C-DOT	Unnicommerce & Torcai
11	Ojaswi Sharma	CSE	Optym	-
12	Arman Ansari	CSE	C-DAC	-
13	Dinesh Ponnada	CSE	Mahindra and Mahindra	-

05.03 ELECTRICAL ENGINEERING DEPARTMENT

The Department of Electrical Engineering was established during the inception of the Institute in 2010 and has a fine blend of young and dynamic faculty. The Department is currently offering B.Tech. in Electrical & Electronics Engineering and M. Tech program in Electrical Engineering with two specializations i.e., Power System & Control, and Power Electronics & Drives. The department is also offering Ph.D. program in the emerging areas of Electrical Engineering for both full time and part time researchers. The major areas of expertise of faculty of department are Power Systems, Power Electronics, and Control Systems. The faculty of the department has been constantly carrying out research on state of art technologies and regularly publishing research work in top international journals and conferences. The department is well equipped with laboratories and research facilities for B.Tech., M.Tech. and Ph.D. programs. The department is also running IEEE student branch chapters.



VISION:

To be a centre of eminence in Electrical Engineering and contributing sustainable development for industry and society by nurturing human resources.

MISSION:

- To empower the students and professionals with state of art knowledge and technological skills in Electrical Engineering.
- To enable industries to adopt effective solutions in the domain of Electrical Engineering through research and consultancy.
- To inculcate the sustainable technical development for social needs.

Program Educational Objectives (PEOs) for UG Programme

- PEO1:** To develop the ability to resolve the practical problems of Electrical Domain as per the society needs.
PEO2: Imbided with the state of art knowledge to adapt ever transforming technical scenario.
PEO3: Encourage the students to become entrepreneur by providing inter-disciplinary course curriculum.

Program Specific Outcomes (PSOs) for UG programme

- PSO1:** To acquire the understanding of electrical components and circuits applied for practical engineering.
PSO2: Develop the competence to provide professional engineering solutions as per the societal and industrial needs.

Program Educational Objectives (PEOs) for PG Programme

- PEO1:** To strengthen the cognizance in the specialization of Power System, Power Electronics & Drives and Control System thereby enhancing the employability of the graduates in various organizations.
PEO2: To inculcate the ability to model, analysis and evaluation of challenges in accordance with various opportunities in the industry, research and development.
PEO3: To enhance the communication skills and willingness to work as team for realization of multidisciplinary projects.

Program Specific Outcomes (PSOs) for PG programme

- PSO 1:** To develop the proficiency in use of professional simulation software & its use to provide challenges in Electrical Engineering.
PSO 2: To impart state of art knowledge in the specialized domain of Electrical Engineering by developing the course curriculum to satisfy the current needs of Industry & Society.

ACADEMIC STAFF:

S. No.	Faculty Name	Designation	Areas of Specialization
1.	Dr. Prakash Dwivedi	Assistant Professor	Control System
2.	Dr. Mahiraj S Rawat	Assistant Professor	Power System & Renewable Energy
3.	Dr. Sourav Bose	HoD & Assistant Professor	Power Electronics, Electric Drives & Renewable Energy
4.	Dr. Suryanarayana Gangolu	Assistant Professor	Power System
5.	Dr. Tripurari Nath Gupta	Assistant Professor	Power Electronics
6.	Dr. Rohit Kumar	Trainee Teacher	Electric Drives, Power Electronics And Renewable Energy
7.	Mr. Nitesh Kumar	Trainee Teachers	Power Electronics
8.	Mr. Himesh Kumar	Trainee Teachers	Power System

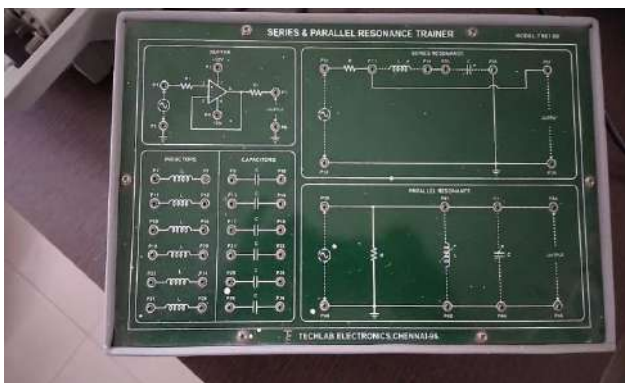
NON-TEACHING STAFF:

S. No.	Staff Name	Designation
1.	Mr. Alok Kumar Patel	Technical Assistant
2.	Mr. Pradeep Kumar	Technician

RESEARCH AND DEVELOPMENT INFRASTRUCTURE/LABORATORIES

S.No.	Laboratory Name	S.No.	Laboratory Name
1.	Basic Electrical Circuit Laboratory	2.	Measurement Laboratory
3.	Control System Laboratory	4.	Power Electronics Laboratory
5.	Electrical Drives Laboratory	6.	Simulation Laboratory
7.	Electrical Machine Laboratory	8.	Switch Gear & Protection Laboratory
9.	Elementary Electrical Engineering Laboratory	10.	Advanced Electrical Drives Laboratory
11.	Electrical Workshop		

BASIC ELECTRICAL CIRCUIT LABORATORY:



LIST OF EXPERIMENTS

1. To verify and finding the equivalent circuit of a Thevenin's theorem.
2. To verify and finding the equivalent circuit of a Norton's theorem.
3. To verify Maximum Power Transfer theorem.
4. To verify Super Position theorem.
5. To study the operation of Series and Parallel Resonance of a RLC circuit.
6. To find the power of a 3- ϕ balanced and unbalanced system.
7. To study the operation of a Transformer as a Coupled circuit and determination of its
 - a. Self-Inductance
 - b. Mutual Inductance
 - c. Coupling Coefficient.
8. To verify Telligen's theorem.
9. Transient response of a RL and RC Circuits.
10. To find the various Two- Port network parameters of a given network.

LIST OF MAJOR EQUIPMENT'S

1. Maximum Power Transfer Theorem kit
2. Series and Parallel Resonance of a RLC circuit kit
3. Verification of Telligen's theorem kit

4. Two- Port network parameters Kit
5. Digital Storage Oscilloscope

CONTROL SYSTEM LABORATORY:



LIST OF EXPERIMENTS:

1. Error Detector Using Potentiometer and Synchros.
2. Time Response Behavior of Different Blocks of Control System.
3. System Identification.
4. Ziegler-Nichols tuning of PID Controller.
5. To study the effect of addition of pole on transient response to the second order closed loop control system by using MATLAB & LABVIEW.
6. To study the stability analysis of linear system.
7. To study the effect of addition of zero & pole to open loop transfer function of second order unity feedback control system by using root locus technique (using MATLAB& LABVIEW).

ADDITIONAL EXPERIMENTS

8. To study the effect of addition of pole on frequency response to the second order closed loop control system by using MATLAB & LABVIEW.
9. To study the frequency response of Lag, Lead, Lag-Lead network.
10. To study the speed characteristics of BLDC Motor.

LIST OF MAJOR EQUIPMENT'S

1. Temp. Control System Trainer
2. BLDC Motor trainer system
3. PID Controller
4. Relay Control System
5. Stability analysis of Linear System
6. Transducer Instrumentation & Control trainer
7. Qbot
8. AERO
9. Inverted Pendulum
10. PCB Prototype Machine
11. Mixed Channel Digital Storage Oscilloscope

ELECTRICAL DRIVES LABORATORY:

LIST OF EXPERIMENTS

1. Study of chopper/DC-DC converter-controlled DC Drive.
2. Study of Rectifier controlled DC Drive.
3. Study of PWM controlled Inverter fed Induction Motor
4. Study of electrical braking operation of DC Motor
5. Study of electrical braking operation of AC motor
6. Study of V/f control operation of 3phase induction motor drive.
7. Study of permanent magnet synchronous motor drive fed by PWM Inverter.
8. Study of Closed-Loop Control of DC Drives.
9. Study of slip power recovery control of induction motors.
10. Study of two-quadrant operation of DC-DC Converter.



LIST OF MAJOR EQUIPMENT'S

1. DC-Motor Gen System (3kw)-NI LabVIEW based
2. Induction Generator System- NI LabVIEW based instruments.
3. 3-phase Synch motor gen System, 3 kW
4. Three Phase Squirrel Cage Induction –Controlled by NI-LabVIEW and VFD Drives
5. Switched reluctance Motor kit 0.3 kW
6. 3-Phase Universal Motor Controller
7. PM Synch Motor Kit 3 kW
8. PMSLDC- Kit 0.25 kW
9. Solar and Wind Power Trainer Kit (NI LabView)
10. Smart Grid Monitoring Module
11. Three-phase half and fully controlled rectifier.
12. Variable frequency drives.
13. Voltage Source Inverter.

ELECTRICAL MACHINE LABORATORY-I:



LIST OF EXPERIMENTS

1. To determine the efficiency of single-phase Transformer by conducting Sumpner's back- to- back test.
2. To conduct load test on DC shunt generator and to draw the external and internal characteristics of DC shunt generator.
3. To conduct Hopkinson's test on a pair of identical DC machines to pre-determine the efficiency of the machine as generator and as motor.
4. To perform the scott connection of transformer and to obtain the two-phase supply from three phase supply.
5. To determine the efficiency of the two given dc series motors which are mechanically coupled.
6. To study of the speed control of a dc shunt motor using conventional Ward- Leonard method.
7. To draw the magnetization characteristics of dc shunt generator.
8. To conduct brake test on DC compound motor for long shunt cumulative & differential connections and to draw the performance characteristics.
9. To perform parallel operation of two dissimilar Transformer and determine combined and individual transfer efficiency.
10. To perform the Swinburne's test of the DC machine and pre-determine the efficiency of the machine as generator and as motor.

ELECTRICAL MACHINE LABORATORY-II:

LIST OF EXPERIMENTS

1. To determine speed- torque characteristics of single-phase Induction motor and study the effect of voltage variation.
2. To draw the circle diagram of 3-phase induction motor by conducting no load and blocked rotor test.
3. To study speed control of three phase Induction motor by varying supply voltage and keeping v/f constant.
4. To determine V-curve and inverted V-curve of a three-phase synchronous motor.
5. To predetermine the regulation of 3-phase alternator by EMF and MMF methods and also draw the vector diagram.

6. To determine the efficiency of 3-phase induction motor by performing load test.
7. To study synchronization of an alternator with infinite bus using
(A) Dark lamp method
(B) Two bright and one dark lamp method
8. To determine the percentage regulation of an alternator by ZPF method.
9. To study the power angle curve of synchronous generator.
10. To determine x_d and x_q of a salient pole synchronous motor using the slip test.

LIST OF MAJOR EQUIPMENT'S

1. 3-Phase Rectifier
2. DC Shunt Motor
3. Squirrel Cage IM
4. Dc Power Supply SCR Based
5. DC compound Gen Set
6. Slip Ring Motor
7. Synchronous Motor 4 pole coupled with DC Shunt Generator
8. Synchronous Motor, with Induction motor Coupled Dc Shunt gen. 220V, 3 kW, 1500rpm
9. Synchronous Motor, 1HP, Coupled Dc Shunt gen. 220V, 3kW, 1550 rpm
10. Servo Stabilizer 3-ph
11. Multi Winding Transformer

ELEMENTARY ELECTRICAL ENGINEERING LABORATORY:



LIST OF EXPERIMENTS

1. To study and verify Kirchoff's current and voltage laws for a circuit.
2. To study the performance & phasor diagram of RLC series circuit.
3. To study the speed control of DC shunts motor.
4. To perform the open circuit & Short circuit test for measuring the losses of the transformer.
5. To study the performance & phasor diagram of RLC parallel circuit.
6. Study of different types of machines.
7. To test the polarity of the single phase transformer.
8. Determine B/H curve for magnetic material.
9. To calculate the efficiency & voltage regulation of a single phase transformer.
10. Calculation of slip(s) of Induction motor for clock wise and anti-clock wise rotation of rotor.

LIST OF MAJOR EQUIPMENT'S

1. DC Supply 110-220 V.
2. Ammeter DC 1-0-1 Amp.
3. DC 0.5-1 Amp.
4. Rheostat 110 Ω , 2.8 Amp; 1089 Ω , 0.6 Amp.
5. Variac Input 220 V, output 270V, 5 Amp
6. Ammeter AC 2.5-5 Amp.
7. Voltmeter 150-300 V.
8. Transformer 220 V, 1KVA, 4.5 Amp.
9. Wattmeter 2.5-5 Amp, 75-150-300 V.
10. Capacitor 0-10 μ F
11. Single Phase lamp load input 220 V

MEASUREMENT LABORATORY:



LIST OF EXPERIMENTS

1. Measurement of unknown medium resistance by using Wheat Stone Bridge
2. Measurement of unknown small resistance by using Kelvin Double Bridge
3. Measurement of unknown medium inductance by using Maxwell Bridge
4. Measurement of unknown high inductance by using Hay' Bridge
5. Study of analog meters-PMDC, Electro Dynamo Meter, Moving Iron
6. Measurement of small distance variations by using LVDT
7. Measurement of weight by using Strain Gauge
8. Measurement of Torque
9. Study of CRO (Cathode Ray Oscilloscope)
10. Measurement Wind using Digital Anemometer
11. Measurement of solar irradiance using Digital Pyranometer (Solar Power meter)

LIST OF MAJOR EQUIPMENT'S

1. **Wheat Stone Bridge** Source-5V R1 -1K Ω , 10K Ω , 100K Ω . R2- 10K. R3-, 10 Ω , 100 Ω , 1K Ω , 10K Ω , 100K Ω
2. **Kelvin Double Bridge** Source-5V. R1 -1K Ω , 10K Ω , 100K Ω . R2- 100 Ω , R3-1K Ω , 10K Ω , 100K Ω .
3. **Maxwell Bridge Source**-1KHz Oscillator R1-10K. R2-0.1mf. R3 -10 Ω , 100 Ω , 1K Ω , 10K Ω , 100K Ω
4. **Hay' Bridge Source**-1KHz Oscillator R2 -10 Ω , 100 Ω , 1K Ω , 10K Ω , 100K Ω . R3 -10 Ω . R4 -10 Ω
5. PMDC, Electro Dynamo Meter, Moving Iron

6. **LVDT** Input 203 AC Display 0-10 V Displacement range 0-20 mm
7. **Strain Gauge** Measuring Range-0-5,Kg Non-linearity Error - $\pm 1\%$ Excitation Source-D.C. Excitation (5Volts) Display- 3(1/2) Digit LED
8. **Torque** Measuring Range-0-2.5Newton meter. Non-linearity Error - $\pm 1\%$ Source-D.C. Excitation (5Volts) ; Working Temperature-0-500C Display- 3(1/2) Digit LED
9. **CRO (Cathode Ray Oscilloscope)**
10. **Anemometer** Display-LCD ,Size-65x25 mm Operating Temperature-0-500C(32- 1220F) Air Velocity Sensor Structure- Conventional twisted vane arms and low friction ball-bearing design. Power supply-006P DC 9V battery Power Consumption-Approx DC 9mA Weight-325g/0.72lb(Including Battery)
11. **Pyranometer** (Solar Power meter) Sensor-High Sensitivity Silicon Photodiode Range- 0~2000W/m2(0~634BTU/ft2.h) Tilt angle range- 00~90 Store temp .&relative humidity- -100C~600 C(140F~1400F Less than 85%RH) Memory-20 point memory Accessories-9V battery
12. **CT-PT Error Detector**
13. **Strain Gauge**

POWER ELECTRONICS LABORATORY:



LIST OF EXPERIMENTS

1. To study the V-I characteristics of SCR.
2. To study the V-I characteristics of TRIAC.
3. To study UJT characteristics.
4. To study SCR phase control.
5. To study SCR commutation techniques.
6. To study the performance of boost converter.
7. To study the performance of buck converter.
8. To study the operation of full bridge-controlled converter with R-Load.
9. To study single phase full bridge inverter.
10. To study single phase ac voltage controller
 - a. Based on SCR
 - b. Based on TRIAC

LIST OF MAJOR EQUIPMENT'S

1. PEC16M1B Trainer Kit

2. PEC16M1C Trainer Kit
3. ME547D Trainer Kit
4. SCR-06 Trainer Kit
5. SCR commutation (ME-793) Trainer Kit
6. DC-DC Boost converter (VSMPS-06A)
7. DC-DC Buck converter (VSMPS-05A)
8. SPBC-101 Trainer Kit
9. PEC16M3 & 16HV2B Trainer Kit
10. PEC14M14AC Trainer Kit

SIMULATION LABORATORY:



LIST OF EXPERIMENTS (SOFT COMPUTING TECHNIQUES LAB)

1. Programs on Matrix operations to understand the basic concepts of MatLab.
2. To print all the Continuous Discrete Membership Functions by using MatLab.
3. To perform different fuzzy operations on Membership Functions by using MatLab.
4. Design a Fuzzy controller for Air conditioning system/Washing Machine.
5. Identification of a system using Perceptron/Radial Base Function Network (RBFN).
6. Identification of a system by using Backpropagation algorithm.
7. Minimizing the objective function by using Genetic Algorithm (GA)
8. Minimizing the objective function by using Particle Swarm Optimization (PSO)
9. Minimizing the objective function by using Cuckoo Search Algorithm (CSA)
10. Minimizing the objective function by using Ant Colony Optimization (ACO)
11. Minimizing the objective function by using Differential Evolutionary (DE) algorithm
12. Minimizing the objective function by using Cat Swarm Optimization (CSO)

LIST OF EXPERIMENTS (POWER SYSTEM LAB)

MATLAB/SIMULINK BASED EXPERIMENTS

1. Static Load Flow Analysis of Standard IEEE bus system using N-R method.
2. Dynamic Analysis of IEEE 9 bus System.
3. Small signal Stability Analysis of Single Machine Infinite Bus System.
4. Short circuit Analysis of IEEE 9 bus power system.

DIGSILENT POWER FACTORY BASED EXPERIMENTS-

1. Modeling and Analysis of Low Voltage Distribution Network (Mesh and Radial).
2. Study of Relay Coordination and Time grading Calculation using PowerFactory.
3. Power Quality and Harmonics Analysis of Power System.
4. Modeling IEEE 8 bus power system and analyzing/creating different operation Scenarios using PowerFactory.
5. Transient stability & Voltage Stability Analysis of Standard Power System.
6. Contingency Analysis of standard Power System.

LIST OF SOFTWARE

1. DigSlient PowerFactory 2018
2. MatLab 2019b
3. LabView 2013

DESKTOP COMPUTER DETAILS

Total No of Computer- 27

Specification Intel Core I i5-4590 CPU @3.30 GHz, RAM – 4GB, OS-64bit Microsoft Windows 10

SWITCH GEAR & PROTECTION LABORATORY:



LIST OF EXPERIMENTS

1. To study the protection of transformer with percentage biased differential relay (Microcontroller based numerical relay).
2. To study IDMT over current relay (single phase) and to determine the pickup and reset value and determine the time and current characteristics.
3. To study the working of Buchholz relay.
4. To analyze the underground cable fault using Varley loop test.
5. To study the directional over current protection.
6. To study the breakdown voltage of transformer oil by adjusting electrode gap length.
7. To study and draw the characteristics of numerical overcurrent relay.
8. To study and analyze the different type of symmetrical and unsymmetrical faults occurs in transmission line.
9. To study microcontroller based over/under voltage relay.
10. To study the complete protection of alternator unit.
11. To study the protection of feeder system.
12. To study the principle of reverse power protection.

LIST OF MAJOR EQUIPMENT'S

1. IDMT over current relay kit (ME2471R)
2. Buchholz relay unit
3. Varley loop test kit (VPL-83A)
4. Transformer oil test kit
5. Feeder protection unit
6. Symmetrical and unsymmetrical fault analysis (NVI57065)
7. Microcontroller based over/under voltage relay (VPL-05)
8. Reverse power protection Panel
9. Protection of Alternator unit (PWS-3012A)
10. Percentage biased differential relay
11. (ME2473RD)
12. Directional overcurrent relay (JRP 011)
13. Numerical overcurrent relay (ANSI NO. 50&51)
14. Digital Storage Oscilloscope

ADVANCED ELECTRICAL DRIVES LABORATORY:



LIST OF EXPERIMENTS

1. Design simulation of Single phase rectifier with R, RL and RLE loads using MATLAB.
2. Study and analysis of open and closed loop control of three phase induction motor using DSP microcontroller board.
3. Study and analysis of open and closed loop control of BLDC motor using DSP microcontroller board.
4. Study and analysis of open and closed loop control of Switch Reluctance Motor using FPGA.
5. Study and analysis of open and closed loop control of PMDC motor using DSP microcontroller board.
6. Study and analysis of three level diode clamp three phase MLI for open and closed loop control of Induction motor using FPGA Board.
7. Study and analysis of five level cascaded MLI operation through FPGA control Board.
8. Study and analysis of various operation by Matrix Converter through FPGA Controlled Board.
9. Study and analysis of closed loop control of BLDC and Three Phase Induction Motor parameter on Real Time GUI FPGA platform.

LIST OF MAJOR EQUIPMENT'S

1. Real Time – GUI FPGA Controller Based
 - I. Induction Motor Set up
 - II. DC Motor Drive Set Up
 - III. BLDC Motor Drive Set up
 - IV. SR Motor Drive Set up.
2. Matrix Converter Power Module
3. Three Phase Five Level Cascaded Multilevel Inverter.
4. Three Phase Three Level Diode Clamped Multilevel Inverter Power Module.
5. DSPIC4011 Microcontroller Based PWM Controller.
6. FPGA PWM Controller
7. AC/DC Current Measurement Cards with auxiliary power supply
8. AC/DC Voltage Measurement Card with auxiliary power supply
9. Single IGBT Project card with Opt coupler based driver circuit
10. Dual IGBT Project card with Opt coupler based driver circuit
11. Opal RT Real Time HIL Simulator and HIL Controller
12. Typhoon HIL Simulator.
13. Workstation Dell
14. Power Quality Analyzer
15. DC Electronic Load

Ph.D. RESEARCH FACILITIES



1. Aero
2. Qbot
3. Inverted Pendulum
4. FPGA PWM Controller
5. OPAL-RT-Real Time Digital HIL Simulator for Power System, Power Electronics Machine and Drives Applications
6. Typhoon HIL Hardware in the Loop Real Time Simulator Power Electronics and Renewable Energy (Simulator)-
7. Digital Signal Processor (TMS320F28335)
8. Matrix Converter Power Module
9. Three Phase Five Level Cascaded Multilevel Inverter.
10. Electrical Vehicle (E-Rickshaw)

SOFTWARES

11. MatLab 2019b
12. DigSalient PowerFactory 2018
13. Labview 2013

INDUSTRY COLLABORATIVE LABORATORY

The Department of Electrical Engineering, NIT Uttarakhand has an Industry Collaborated lab established by Mitsubishi Electric India Pvt. Ltd. under MoU between NITUK and MITSUBISHI Electric India Pvt. Ltd. The following equipment's/software are provided to the Electrical Engineering Department of NIT Uttarakhand under MoU between NITUK and MITSUBISHI Electric India Pvt. Ltd.

1. MELSOFT MX OPC Server (Integrated solution for plant engineering)
2. MELSOFT MC Works 64 (Integrated solution for plant engineering)
3. FA learning kit; Inverter (FR-A820) and Servo Amplifier (MR-J4W3)



DETAILS OF R&D PROJECTS:

S. No.	Title of the R&D Project	Funding Agency	Name of PI/Co-PI	Sanctioned Amount Rs. (in Lacs)	Status
1.	Solar powered robust E-Rickshaw control with bidirectional DC-DC converter using regenerative cycle boost charging	MeitY	Dr. Prakash Dwivedi & Dr. Sourav Bose	30.02	Completed
2.	Design and Development of System-on-Board (SoB) for Neuroprosthesis: An application in Healthcare System	SMDP	Dr. H. Muthusamy Mr. Vivek Kumar and Mr. Himesh Kumar	86.0	Approved

DETAILS OF CONSULTANCY PROJECTS:

S. No.	Title of the Consultancy Project	Funding Agency	Name of PI/Co-PI	Sanctioned Amount Rs. (in Lacs)	Status
1.	Technical Vetting of GFC	RCC	Dr. Aditya Anupam &	2.31	Completed
2.	Drawing	Developers	Dr. Prakash Dwivedi	0.29	

PATENT:

Name	Reg./Ref.No.	Date Of Award/Filing	Organization	Inventor
Solar Power integrated bidirectional non-isolated	202211032781	8 June 2022	IP India	Dr.Prakash Dwivedi Dr.Sourav Bose Mr.Rakesh Thapliyal

DC-DC converter for E-Rickshaw				Mr. Satyaveer Negi
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DETAILS OF CONFERENCES/STC/FDPS ETC ORGANIZED:

S. No.	Title of the Program	Duration	Program
1.	Stability Issues, Challenges and Solutions in renewable integrated power systems	28 th Feb-4 th March, 2022	STC
2.	Recent trends in Microgrid	27 th Sept-01 st Oct, 2022	STC
3.	Electrical vehicle: impact and recent advancement	14 th Nov-18 th Nov, 2022	STC
4.	Microgrid Issues: Challenges its mitigation	25 th Nov-29 th Nov, 2022	STC
5.	Solar Energy and Applications	13 th Sep 2022	Expert Lecture

STUDENT'S PLACEMENT/TRAINING/INTERNSHIP:

Roll No.	Name	Company	Stipend	Month of Placement	Intern+PPO
BT19EEE009	Apoorv Arora	Evigway	30000	Dec	Intern+PPO
BT19EEE017	Mr. Siddharth Saxena	Lucas Indian Services Ltd	5000	Off Campus	
BT19EEE018	Harsh Singh Chauhan	Unnicommerce (25 k)	25000	Aug	
BT19EEE019	Mr. Akshat Saini	ITER France	60000		

S.No	Name	Roll No	Package details (LPA)	Company (On Campus)	CTC (LPA)	Another company (LATEST)
1.	Arjun Singh Bisht	BT19EEE013	6	L&T		
2.	Rajat Manswal	BT19EEE006	6	L&T		
3.	Amit Bhatt	BT19EEE007	6	L&T		
4.	Bhavna Sharma	BT19EEE002	7.2	Samsung Engineering	6	L&T (Dec)
5.	Bhanu Pratap Singh	BT19EEE003	7	Valuable Group.	6	L&T(Nov)
6.	Rajaram Yadav	BT19EEE005	6	L&T		
7.	Apoorv Arora	BT19EEE009	6	Evigway		
8.	Vipul Giri	BT19EEE020	6	L&T	8.5	JSW(Jan)
9.	Kailash Shah	BT19EEE012	6	Cyfuture		
10.	Babul Sarkar	BT19EEE015	7.25	Byju		
11.	Pritam Chakraborty	MT21EEE001	4	RCC Developers		

Alumni Achievements:

- Total 10 students of the Department has been placed with a highest package of 8.5 LPA during 2022-2023.
- Mr. Kunal Saurav (batch 2013-17), Alumni of the department has secured 2nd rank in the Engineering Service Examination 2022 at all India level.
- Mr. Somraj Bishnoi (batch 2014-18) has been conferred with distinguished Alumni Award 2022.

05.04 DEPARTMENT OF ELECTRONICS ENGINEERING

Started during the session 2010-11, the Department offers B.Tech. programme in Electronics and Communication Engineering. The Department also offers M. Tech programme in Microelectronics & VLSI Design and Communication Systems and PhD programs in multiple specializations. The ECE department has always taken the lead in establishing well equipped and state of art lab facilities for students. The department has developed Research lab with latest work stations, National Instruments equipment, logic analyzer and lab view software. The department has 01 Associate Professor, 07 Assistant Professors, 01 Trainee Teachers and 03 Technical Assistants.

Vision:

To offer academic excellence in the field of Electronics and Communication Engineering with a strong emphasis towards research and development to cater to the needs of the society

Mission:

- Establish a vibrant learning environment for the students of Electronics and Communication Engineering.
- Enable students to develop skills to solve complex technological problems by promoting collaborative and multidisciplinary activities.
- To establish the Centre of Excellence to nurture the spirit of innovation and creativity among faculty and students.
- Provide ethical and value based education by promoting activities addressing societal needs.

ACADEMIC STAFF:

S. No.	Faculty Name	Designation	Areas of Specialization
1	Dr. Hariharan Muthusamy	Associate Professor	Biomedical Signal and Image Processing, Hyperspectral Image Processing, Soft Computing Methods for Microwave and Millimeter-Wave Design, Evolutionary Techniques for System Identification, Evolving Deep Convolutional Neural Networks, Speech Signal Processing
2	Dr. Sarika Pal	Assistant Professor	Optical Communication, Optical Sensors, Optoelectronics, Communication System, Plasmonic sensors, Digital Communication, Wireless Communication
3	Dr. Siva Kumar Tadepalli	Assistant Professor	Multidimensional Systems, Finite Word length Effects, Delayed and Uncertain Systems, Discrete Control Systems, Robotics, Computer Vision
4	Dr. Tajinder Singh Arora	Assistant Professor	Analog Circuit design, Analog Signal Processing, Current- mode circuits, Electronic Devices and Circuits.
7	Dr. Tushar Goel	Assistant Professor	Planar Antennas for Inter-satellite link and Future mobile technologies, Microwave Harvesting, Microwave Hazards on Ecosystem, Microwave applications for Bio-Medical, Information extraction from radar images using image processing, Radar signal processing, Target detection and estimation, Radar based remote sensing, Disaster Management.
8	Dr. Pankaj Kumar Pal	Assistant professor	Semiconductor Device Physics & Modeling, Novel MOS based Device-Circuit Co-design, Low-power Memory/SRAM circuits Design

9	Mrs. Sarita Yadav	Assistant professor	Device Circuit Interaction in multi-gate Devices, Low power FinFET devices, Novel MOS Devices, Semiconductor Device Physics & Modeling
10	Mr. Nitanshu Chauhan	Assistant professor	Modeling and simulation on Cryogenic FinFET/NCFET/MOSFET, Impact of Random Spatial Fluctuation in Non-Uniform Crystalline Phases on the Device Variation of NCFET, Effective Current Method for delay estimation in NCFET
11	Mr. Vivek Kumar	Teacher Trainee	Analysis of Thermal Effects in FinFET, Analysis of Thermal Effect in Nanosheet, Analysis of RF FinFET and Nanosheet transistor.

NON-TEACHING STAFF: 02 Technical Assistant and 01 Technician

PH.D. STUDENTS: Full-Time Scholar – 09, Part-Time Scholar – 11

S.No.	Student ID/Roll.No.	Name of Student	Status (Full Time/Part Time)	Name of Supervisor
1.	DT23ECJ001	Rahul Birla	Full-Time	Dr. Pankaj Kumar Pal & Dr. Tushar Goel
2.	DT22ECJ001	Rahul Prakash	Full-Time	Dr. Siva Kumar Tadepalli
3.	DT22ECJ002	Kuldip Kumar	Part-Time	Dr. Hemant Kumar Singhal
4.	DT22ECJ003	Banit Negi	Part-Time	Dr. Hariharan Muthusamy
5.	DT21ECJ001	Virendra Kumar	Full-Time	Dr. Hemant Kumar Singhal
6.	DT21ECJ002	Ashish Pratap Singh	Full-Time	Dr. Hariharan Muthusamy
7.	DT21ECJ003	Ritu Tanwar	Full-Time	Dr. Ghanapriya Singh
8.	DT21ECJ004	Mahesh Kumar Aghwariya	Part-Time	Dr. Tushar Goel
9.	DT20ECJ001	Rajeev Kumar	Part -Time	Dr. Sarika Pal
10.	DT20ECJ002	Avinash Bhatt	Part -Time	Dr. Tushar Goel
11.	DT20ECJ003	Satendra Pathak	Full -Time	Dr. Tushar Goel
12.	DT20ECJ004	Vipin Kumar Verma	Part -Time	Dr. Sarika Pal
13.	DT19ECJ001	Varun Kumar Kakar	Part -Time	Dr. Pankaj Kumar Pal
14.	DT19ECJ002	Lalit Kumar Garia	Part -Time	Dr. Hariharan Muthusamy
15.	DT19ECJ006	Rishi Nigam	Part -Time	Dr. Siva Kumar Tadepalli
16.	DT19ECJ008	Km. Ruchi Juyal	Full -Time	Dr. Hariharan Muthusamy
17.	DT19ECJ009	Arvind Kumar	Part -Time	Dr. Tajinder Singh Arora
18.	DT19ECJ010	Arvind Bisht	Full -Time	Dr. Pankaj Kumar Pal
19.	DT17ECJ002	Rajesh Saha	Part -Time	Dr. Pankaj Kumar Pal

RESEARCH AND DEVELOPMENT INFRASTRUCTURE/LABORATORIES

RESEARCH LAB: This lab is mainly dedicated to research work for UG/PG and faculty members. This lab consists of high speed computation platform to cater to the need of research in VLSI, Microwave and signal processing.



ANALOG ELECTRONICS LAB: This lab emphasizes on providing fundamental knowledge of basic electronic devices and circuits to the students. ECE as well as EEE Students are made to work on discrete and integrated circuit components.



MICROPROCESSOR LAB: Microprocessor lab is dedicated to programming and interfacing of 8 bit 8085 microprocessor and 8051 microcontroller with various peripherals. Students are encouraged to design various automated embedded systems based electronics projects in the lab.



DIGITAL SIGNAL AND IMAGE PROCESSING: This lab provides real time processing of 1D and 2D signals and having floating point processor that can provide minimum quantization errors. Students also can visualize signals and analyse its basic proper ties like time shifting, modulation, filtering, scaling, and compression on a virtual platform such as lab-view and code composers.



COMMUNICATION LAB: Communication lab facilitates the students to the understand the basic principle of communication systems. Students can realize different analog and digital modulations such as amplitude modulation, frequency modulation, phase shift keying, amplitude shift keying, frequency shift keying modulation, QPSK and QAM etc. on trainer kits and visualize the signal processing on CRO, high end digital storage oscilloscopes and spectrum analyzer.



ELECTRONICS SYSTEM DESIGN LAB: Electronics system design lab is devoted to design advanced digital and electronics systems, mostly this lab is utilized by third year and final year students. This lab consists of 20 high end computer systems for hardware description language programming and FPGA Altera DE2 kits for interfacing purpose.



ELECTRONIC WORKSHOP: Students from ECE as well as other departments who are interested in robotics and embedded systems work in this lab. Lab provide all basic facilities like ICs, PCB boards, soldering irons, motors and AVR microcontroller kits, USB burners. In addition, department has also purchased new E-Yantra kits for robotics. This lab is used mainly by the students working on their major and minor projects.



DIGITAL ELECTRONICS LAB: Digital electronics lab is basic lab for Electronics, Electrical, and computer science under graduate students. Students are made familiar with basic building block of digital electronics systems such as logic gates, combinational and sequential circuits, using digital ICs and digital training kits.



LIST OF EXPERIMENT:

COMMUNICATION LAB:

- 1) Study of DSB Amplitude modulation (AM).

- 2) Study of DSB Amplitude demodulation.
- 3) Study of SSB Amplitude modulation.
- 4) Study of SSB Amplitude Demodulation.
- 5) Study of Frequency modulation (FM) using Varactor Modulator
- 6) Study of Frequency modulation (FM) using Reactance Modulator.
- 7) Study of Frequency demodulation.
- 8) Study of Pulse amplitude modulation. (PAM)
- 9) Study of Pulse width modulation. (PWM)
- 10) Study of Pulse position modulation. (PPM)
- 11) Study of Time-division multiplexing. (TDM)

ANALOG ELECTRONICS LAB:

- 1) To Measure the Op-amp characteristics using IC-741.
- 2) Design of Inverting and Non-inverting amplifier using IC-741.
- 3) Design of Integrator and differentiator using IC-741.
- 4) Design of Instrumentation amplifier using IC-741.
- 5) Design of Active Low pass, High pass filters using Op-amp IC-741.
- 6) Design of Active Band pass and Band Notch filter using IC-741.
- 7) Design of Astable multivibrator using Op-amp IC-741.
- 8) Design of Monostable multivibrator using Op-amp IC-741.
- 9) Design of Schmitt Trigger and Triangular wave generator using IC-741.
- 10) Design of RC Phase-Shift oscillator using IC-741.
- 11) Design of Wein Bridge Oscillator using IC-741.
- 12) Design of Astable multivibrator using IC-555 timer.
- 13) Design of Monostable multivibrator using IC-555 timer.

DIGITAL ELECTRONICS LAB:

- 1) To verify operation of basis logic gates.
- 2) Realization of Logic functions with the help of Universal Gates (NAND /NOR Gate).
- 3) Design a BCD to Excess 3 code /Binary to Gray code converter.
- 4) Simplify the Boolean function using K-map and implement it using logic gates.
- 5) To construct half adder, full adder and subtractor circuit and verify it's working.
- 6) Implementation of Full adder using half adder.
- 7) Implementation of a 4-bit adder using 7483 IC.
- 8) Implementation of a Boolean function using 4:1 Multiplexer.
- 9) Realize a 1-bit and 2-bit magnitude comparator.
- 10) To construct a 4-bit ripple counter using two 7476 ICs.
- 11) Verify the truth tables of S-R, J-K, T and D type flip-flops.
- 12) Design a 4-bit left/right shift register.
- 13) Design and verify a 4-bit synchronous counter.
- 14) Design and Verify a 4-bit asynchronous counter.
- 15) Design and verify a BCD counter.

MICROCONTROLLER & INTERFACING LAB:

- 1) To perform Addition of Two 8 Bit Numbers.
- 2) To perform Subtraction of Two 8 Bit Numbers.
- 3) To perform Addition of Two 16 bit Numbers.
- 4) To perform Subtraction of Two 16 bit Numbers.
- 5) To perform multiplication of two 8 bit Numbers.
- 6) To perform Division of two 8 bit Numbers.
- 7) To arrange given no. of arrays in ascending order.
- 8) To arrange given no. of arrays in descending order.
- 9) To perform square of a given Number.
- 10) To find Factorial of a given Number.

- 11) To print Fibonacci series.
- 12) To find Smallest Number from given array.
- 13) To find square root of a given Number.
- 14) To find largest number from given array.
- 15) To find 1s 2s compliment of a given Number.

ANALOG COMMUNICATION LAB:

- 1) Introduction to Current Feedback Operational amplifier (CFOA). (Current Feedback Operational Amplifiers and Their Applications)
- 2) To study novel lossless and lossy grounded inductor simulators consisting of a canonical number of components.
- 3) To study lossy/loss-less synthetic floating inductance configuration realized with only two CFOAs.
- 4) CFOA-based lossless and lossy inductance simulators.
- 5) To study CFOA based grounded capacitance multiplier.
- 6) To study CFOA-based state-variable biquad and its high-frequency compensation.
- 7) To study the generation of CCII and CFOA filter from passive RLC Filters.
- 8) To study inverse active filters employing CFOAs.
- 9) To study new CFOA-based sinusoidal oscillators retaining independent control of oscillation frequency even under the influence of parasitic impedances.
- 10) To study synthesis SRCOs using CFOA-based state-variable approach.
- 11) To study two-CFOA-GC SRCO.
- 12) To study a new voltage-mode quadrature oscillator using grounded capacitors: An application of CDBA.
- 13) To study the Realization of Other Building Blocks like CDBA, CDTA, OTRA, etc. using CFOAs.

RF & MICROWAVE LAB:

- 1) Study of Reflex Klystron
- 2) Study of Frequency measurement using Klystrons
- 3) Study of Attenuator
- 4) Study of VSWR measurement
- 5) Study of Gunn Oscillator
- 6) Study Frequency and wavelength measurement using Gunn Oscillator
- 7) Study of Isolator and Circulator
- 8) Study of Impedance measurement
- 9) Study of Dielectric Measurement.
- 10) Study of Phase shift Measurement
- 11) Study of Magic TEE characteristics
- 12) Study of Horn antenna Characteristics and measurement
- 13) Study of Polarization of antenna
- 14) Study of Directional coupler

LIST OF MAJOR EQUIPMENTS:

- 1) Logic Analyser, 34 Channel, 250 MHz State (2015)
- 2) HP Workstation Z840 and Z440
- 3) Dell Workstation with Intel Xeon silver 4214 Processor 64GB (Precision 7920DT)
- 4) Spectrum Analyzer 1GHZ
- 5) 100 MSPS Analog Discovery Kit.
- 6) DSO (TDS-2024C, 200MHZ, 4channel color Display)
- 7) Multimeter 4.5 digital Model - U1252B
- 8) ARM9 Development board (ST6201)
- 9) Arbitrary Waveform Generator, Keysight 33521B, 30MHz, 1CH
- 10) Weller Non-integrated Temperature Controlled Soldering Station with platinum sensor
- 11) Programmable Triple Output DC Power Supply (Model- 2230G-30-3)

- 12) Data Gloves (Left hand), Data Gloves (Right hand), Wireless Kit for Data Gloves

SOFTWARES:

- 1) Synopsys AsiaPAC Advance TCAD (3D) University Bundle
- 2) Advanced Design System Software (ADS)
- 3) CAD Tool
- 4) Optisystem V15.1
- 5) CST Studio Suite Electromagnetic Solver/Simulator
- 6) Cadence Front End and Backend Tools with 5 licenses.
- 7) Mentor Graphics Front End and Backend Tools with 1000 licenses.
- 8) Xilinx HLS Vivado with 25 licenses.
- 9) NI Academic site license lab view software.
- 10) Mat Lab Software.

HIGHLIGHTS/ACHIEVEMENTS:

- 1) Dr. Hariharan Muthusamy has been awarded a research project entitled, "DECONET- DEVELOPMENT OF INDIGENOUS SYSTEM FOR DECIPHERING ENVISIONED SPEECH FROM EEG SIGNALS USING OPTIMIZED DEEP CONVOLUTIONAL NEURAL NETWORK MODELS" with a total tentative outlay of Rs.28.11 lakhs by SERB, DST under Core Research Grant Scheme(file Number: CRG/2021/007147).
- 2) Dr. Hariharan Muthusamy has been appointed as Academic Editor in PLOS ONE Journal.
- 3) Dr. Hariharan Muthusamy delivered an expert talk in high end workshop on "Role of artificial Intelligent in Biomedical and Health Informative" on 11/04/2022
- 4) Dr. Hariharan Muthusamy has been appointed as Associate Editor in International Journal of Biomedical and Clinical Engineering, IGI Global Publishing House.
- 5) Dr. Sarika Pal has organized online Alumni meet successfully on 26th March as Institute Alumni Coordinator.
- 6) Dr. Sarika Pal has reviewed SCI indexed Journals of Nature Scientific reports, IEEE Access and Optical and Quantum Electronics.
- 7) Dr. Tajinder Singh Arora received the recognition as Fellow Member from Indian Society for VLSI Education (ISVE) Ranchi.
- 8) Dr. Tushar Goel Invited as VIP attendee at Academia-Industry Meet on Defence Communication (AIM-DefCom) on 11-12 April 2023 organized DEAL DRDO DEhradun.
- 9) Dr. Tuhsar Goel delivered Expert Lecture on Recent advancement on antenna technology in ECE department, THDC Tehri on 10-11 December 2022.
- 10) Dr. Tushar Gole was invited as External Examiner for M.Tech Dissertation at G B Pant Pauri, 22.09.2022
- 11) Dr. Tushar Gole was invited as External Examiner for M.Tech Dissertation at G B Pant Pauri, 29.12.2022
- 12) Dr. Tushar Gole was invited as External Examiner for PHD RDC at G B Pant Pauri, 29.12.2022
- 13) Dr. Tushar Goel reviewed 3 journal papers for Taylor and Fransis, and MOTL.
- 14) Dr. Tushar Goel submitted a project proposal as (Co-Cl) with Dr. Pankaj Kr. Pal under Chip to startup (under MEITY) in Cat. P-II as participating Institute under a consortium of IIT BHU (Nodal Institute) and IIIT Sricity, IIT Naya Raipur and DCRUST, Murthal as other participating institutes.
- 15) Dr. Tushar Goel submitted a project proposal (as PI) with Dr. Pankaj Kr. Pal entitled as, "Retrieval of snowpack density catering power generation in Upper Garhwal Himalayan Region by Utilizing Polarimetric Synthetic Aperture Radar (SAR) Images" under SERB CRG 2022.

- 16) Dr. Tushar Goel submitted a project proposal (as PI) with Dr. Pankaj Kr. Pal entitled as, "Microwave energy harvesting to assist the on-board batteries for increasing the life span of a satellite by using rectenna systems integrated into solar panels." under SAC ISRO 2022.
- 17) Dr. Pankaj Kumar Pal submitted a project proposal (as co-PI) with Dr. Ghanapriya Singh entitled as "IoT-based Multifunctional Scalable Real-Time Farm Monitoring System for Smart Agriculture" under Agriculture & Water Technology Development Hub (AWaDH) scheme, IIT Ropar which was principally accepted and presently modifying it as per the review's received.
- 18) Dr. Tushar Goel was invited as Session Chair, "Three Days International Conference on Artificial Intelligence and smart communication", AISC 2023, 27-29 January 2023.
- 19) Dr. Tushar Goel was invited Session Chair, "Three Days International Conference on Microwave, Antenna and Communication", MAC 2023, 24-26 March 2023.
- 20) Dr. Tushar Goel was appointed as Chairman for Industrial Collaborations, IEEE Sensors Council UP Section office bearers 2022.
- 21) Dr. Tushar Goel was appointed as Member, Technical program Committee, International Conference on Microwave, Antenna and Communication, March 24-26 MNIT Allahabad.
- 22) Dr. Pankaj Kumar Pal prepared a project proposal under Chip to startup (under MEITY) in Cat. P-II as participating Institute under a consortium of IIT BHU (Nodal Institute) and IIIT Sricity, IIT Naya Raipur and DCRUST, Murthal as other participating institutes.
- 23) Dr. Ghanapriya Singh and Dr. Hemant Kumar Singhal submitted workshop proposal to SERB for conducting Advanced Virtual Workshop on Next-Generation Technology: RF and ML conducting
- 24) Dr. Ghanapriya Singh and Dr. Prashant Tiwari submitted a research proposal to ICMR.
- 25) Dr. Nitanshu Chauhan was invited for the talk in *University of California Berkeley, USA on 01.04.2022.*
- 26) Dr. Nitanshu Chauhan is invited for the talk in IIITPDPM, Jabalpur in March-2022.
- 27) Dr. Nitanshu Chauhan, Assistant Professor delivered an expert talk in Faculty Development Programme on "Negative Capacitance FET for Next Generation Technology" at JP Noida.
- 28) Dr. Nitanshu Chauhan, Assistant Professor has been awarded Student Research Award by VLSI Society of Indian and IIT Jammu in 2022.
- 29) Dr. Nitanshu Chauhan, Assistant Professor received an invitation regarding discussion on his PhD related work with experts from UC Berkeley USA and Purdue University along with his supervisor (IIT Roorkee).

DETAILS OF PATENTS:

S. No.	Title	Application Number	Date of Filing/Publication/Award	National/International	Name of Inventors
1.	Highly-Directional Compact Semicircular Angular-Phased Antenna Array in 9.35 GHz-42.89 GHz	201811035222	28.04.2023	National	Tushar Goel, Amalendu Patnaik
2.	LOG-Periodic Antipodal antenna/14-03	377614-001	18.01.2023	National	Tushar Goel, & Pankaj kumar Pal
3.	Self-Repetitive Broadband slot Antenna/14-03	377614-002	18.01.2023	National	Tushar Goel, & Pankaj kumar Pal
4.	Wideband Unidirectional Antipodal/14-03	377614-003	18.01.2023	National	Tushar Goel, & Pankaj kumar Pal

5.	Wind-Mill Like Shaped Antipodal Broadband/14-03	377614-004	18.01.2023	National	Tushar Goel, & Pankaj kumar Pal
6.	A system for improved long-range surface plasmon resonance sensor with ultrahigh imaging sensitivity and figure of merit	File No. 202022100430	07.02.2022	International	Dr. Sarika Pal, Maneesh Kumar Singh, Vipin Verma and Y.K. Prajapati

DETAILS OF R&D PROJECTS:

S. No.	Title of the R&D Project	Funding Agency	Name of PI/Co-PI	Sanctioned Amount Rs. (in Lacs)	Status
1.	DECOMET- Development of Indigenous System for Deciphering Envisioned Speech From EEG Signals Usng Optimized Deep Convolutional Neural models	SERB, Under Core Research Grant Scheme	Dr. Hariharan Muthusamy	28.11	Ongoing
2.	IoT-based Multifunctional Scalable Real-Time Farm Monitoring System for Smart Agriculture	Agriculture & Water Technology Development Hub (AWaDH) scheme, TIH, IIT Ropar	Dr. Pankaj Kumar Pal	16.96	Ongoing
3.	VLSI Design and Implementation of Imagined Speech based Neuroprosthesis: An application in Healthcare System	SMDP	Dr. Nitanshu Chauhan	85.00	Submitted

CONFERENCES/STC/FDPS ETC ORGANIZED:

- 1) 5-day Online Short Term Course (STC) on “*Opportunities in Semiconductor Industries after B.Tech and M.Tech.*” from February 13-17, 2023.
- 2) Five days online Short-Term Course on “*Research Opportunities and Challenges in Nano-electronics and Advanced Communication Systems*” during 27th Sept. to 1st October, 2022
- 3) Department of Electronics Engineering has organized one day expert lecture on “*Spatial Modulation*” by Prof. Aditya Trivedi, Head Dept. of Information Technology, ABV-IITM, Gwalior from 12th Nov., 2022
- 4) Department of Electronics Engineering has Organized Department/ lab visit, faculty and student Interactions by Prof. Rajeev Tripathi, Ex. Director, MNIT Allahabad from 17th Nov., 2022.
- 5) Department of Electronics Engineering has organized one day expert lecture on “*Image processing Using FPGA*” by Dr. Mohammad Farukh Hashmi, Assist. Prof., ECE Dept., NIT, Warangal from 24th Nov., 2022.

COLLABORATIVE ACTIVITIES:

(a) National Collaboration

- 1) Dr. Tushar Goel collaborated with IIT Roorkee:-
 - Research proposals submitted with Prof. Rajib Panigrahi, ECE Dept. at SERB CRG “Retrieval of snow pack density catering power generation in upper Garhwal Himalayan region by utilizing Polarimetric Synthetic Aperture Radar (SAR) images”
 - Research Proposal Submitted With prof. Amalendu Patnaik in ISRO, “Microwave energy harvesting using solar panels integrated with rectennas, to support the power backup of the satellites systems”.
- 2) Dr. Tushar Goel collaborated with
 - IIT BHU Varanasi (research proposal submitted at SMDP-C2SD) with Dr. Shivam Verma, ECE Dept.
 - G B Pant IET Pauri, Research Collaborations in designing of Antennas for future communications systems.

- Dr. Gaurav Mittal, Scientist E, Project Manager, Deal DRDO Dehradun, on project decrement of Size weight and power (SWAP) of defense communication equipment by using flexible wearable solar panels integrated with microwave energy harvesting systems along with PhD scholars Mr. Satendra Pathak.
- Dr. Arun Jugran, Scientist E, GB Pant National Institute of Himalayan Environment, Srinagar, on project generating income source to locals of Uttarakhand by providing remotely monitored smart agriculture solution in hardly accessible fertile regions of Uttarakhand to prevent migration, along with PhD Scholars Mr. Avinash Bhatt and Mr. Satendra Pathak.

(b) International Collaborations:

Dr. Tushar Goel collaborated with;

- Dr. Ajeet Kumar, researcher Level IV, CNIT Italy on the project Analysis of Polarimetric SAR Data for Natural/Man-made Impact Assessment, along with Phd Scholar Mr. Avinash Bhatt.
- Dr. Santosh Kumar, Associate Prof, School of Physics Science and Information Technology, Liaocheng University, China on the project THz sensors and devices for biomedical applications along with Phd Scholar Mr. Mahesh Kumar Aghwariya.

Swayam/NPTEL/MOOCs Courses:

S. No.	Name of the course	Organizing Institute/ Agency	Name of Institute Course Coordinator	No. students Registered	Duration
1.	1022 IIRS Outreach Program on Planetary Exploration of the Moon: Findings from Remote Sensing Missions.	IIRS Dehradun, ISRO	Dr. Tushar Goel	02	20-05-2022

STUDENT'S ACHIEVEMENTS:

- Mr. Rajeev Kumar has submitted his Ph.D thesis synopsis seminar entitled as "*MXene (Ti3C2Tx) based Surface Plasmon Resonance Sensors: Performance Improvement and Engineering towards Biochemical Sensing*" on 11/05/2023 under the guidance of Dr. Sarika Pal, Asst. Professor, ECE.
- Mr. Rahul Raikuni (BT19ECE002) got All India Rank 50 in GATE Exam – 2023.
- Mr. Maneesh Kumar Singh (DT19ECJ004) has successfully defended Ph.D Thesis "*Design and Modeling of Surface plasmon Resonance Sensor Based on Two Dimensional Nanomaterial Antimonene*" on 12th Nov., 2022 under the guidance of Dr. Sarika Pal, Asst. Professor, ECE.
- Mr. Yogendra Pratap Pundir (DT17ECJ001) has successfully defended Ph.D Thesis "*Performance Analysis of Nanosheet Transistors for Analog Applications*" on 17th Nov., 2022 under the guidance of Dr. Pankaj Kumar Pal, Asst. Professor, ECE.
- Mr. Rajesh Saha (DT17ECE002) has submitted his Ph.D thesis entitled "*Design of Energy-Efficient Spin Based Memories for Cache Applications*" on July 26, 2022, under the supervision of Dr. Pankaj Kumar Pal.
- Mr. Sachin Tiwari (DT19ECJ003) has submitted his Ph.D thesis synopsis seminar entitled as "*Generation of Linear and Non-Linear Applications Employing Active Building Blocks*" on July 25, 2022, under the supervision of Dr. Tajinder Singh Arora.
- Satyam Jain placing with CTC 21LPA

STUDENT PROJECTS

S. No.	Roll.No.	Name of Student	Title of the Project	Supervisor
1.	BT19ECE008	Manoj Moond	Microcontroller based Electric Circuit board controller for home appliances using DTMF decoder and RFID	Dr. Tushar Goel
2.	BT19ECE011	Devendra Meena	Microcontroller based Electric Circuit board controller for home appliances using DTMF decoder and RFID	

Industrial Visit: -Dr. Tushar Goel, visited DEAL DRDO Microwave Lab at Dehradun on 11.04.2023 and explored radar solutions designed by DRDO at Dehradun.

STUDENT'S INTERNSHIP

S. No.	Roll.No.	Name of Student	Company Name	Stipend/ Month (in Rupees)
1.	MT21ECE001	Mr. Harsh Mishra	Intel India (Bangalore)	40,000.00/-
B.Tech Students				
1.	BT19ECE004	Abhinav Bhatnagar	Samsung R&D	40,000.00/-
2.	BT19ECE016	Ms. Saroj Saini	INDITECH Technology Services Pvt. Ltd	15,000.00/-
3.	BT19ECE018	Mr. Aryaman Jaiswal	Billfree Labs Pvt. Ltd.	15,000.00/-
4.	BT19ECE020	Mr. Sanyam Jain	Thoughtspot	35,000.00/-
5.	BT19ECE021	Dudekula Reshma	Torcai (1 LPA)	1,00,000.00/-

STUDENT'S GATE SCORE

S. No.	Roll.No.	Name	GATE RANK
1.	BT19ECE002	Rahul Raikuni	851 (2022), 50 (2023)
2.	BT19ECE005	Nishant Kandpal	2446 (2022), Qualified (2023)

CURRENTLY PLACED B.TECH (BATCH-2019) STUDENTS

Total 19 B.Tech. students (Batch 2019) out of 12 were placed at various industries located in India/outside India

S. No.	Roll No.	Name	Companies Placed	Package (LPA)
1	BT19ECE001	Jai Surya	C-Dac	4.62
2	BT19ECE002	Rahul Raikuni	L&T	6
3	BT19ECE004	Abhinav Bhatnagar	Samsung R&D	14.5
4	BT19ECE005	Nishant	Sagacious Research	8
5	BT19ECE006	Akankshi Naugain	L&T	6
6	BT19ECE007	Sagar Prajapati	Optym	18
7	BT19ECE012	Praveen Kumar Singh	Sagacious Research	8
8	BT19ECE014	Yashvi Verma	Samsung Engineering	7.2
9	BT19ECE015	Kanika Singh	Mahindra & Mahindra	8
10	BT19ECE017	Nikhil Kumar Singh	Valuable Group	7
11	BT19ECE020	Sanyam Jain	Thoughtspot	21
12	BT19ECE021	Dudekula Reshma	Torcai	18

CURRENTLY PLACED M.TECH (BATCH-2021) STUDENTS (YEAR 2022-23)

S. No.	Roll No.	Name	Companies Placed	Package (LPA)
1.	MT21ECE001	Harsh Mishra	TCS	11.5

CURRENTLY PLACED Ph.D SCHOLARS (YEAR 2022-23):

S. No.	Roll No.	Name	Companies Placed	Package (LPA)
1.	DT19ECJ008	Ruchi Juyal	C-DAC	9.5
2.	DT21ECJ002	Ashish	C-DAC	9.5

05.05 DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering at the National Institute of Technology, Uttarakhand was established in 2012 and currently has an intake of 20 students per year. The Department offers a four-year B.Tech. course, M.Tech. Program in three specialization; Manufacturing Technology, Machine Design & Thermal Engineering and a Ph.D. program. The department has flexible academic structure with numerous core and elective courses, to facilitate the students to opt for the courses of their interest. Presently, the department has Three Associate Professors, and Twelve Assistant Professors. All the faculty members are well qualified from reputed institutions like IITs and NITs. The area of specialization of all faculties has a lot of diversity that covers various aspects of Mechanical Engineering and is capable to mould young minds into successful professionals. The department is fully equipped with laboratories for core courses such as Machine Tools Laboratory, Strength of Materials Laboratory, Fluid Mechanics and Machines Laboratory, Applied Thermodynamics Laboratory, Heat Transfer Laboratory, Kinematics and Dynamics of Machines Laboratory, Computer Aided Design Laboratory and Mechanical Workshop. These laboratories have state of the art experimental setups and machineries for enhancing the practical knowledge of students at par with the cutting edge technology. The department is now expanding its wings towards elective course laboratories such as Additive Manufacturing, Measurement Laboratory, Robotics Laboratory, Mechatronics Laboratory, Automobile Laboratory, CNC Laboratory, Vibration Laboratory etc. Apart from academics, the department has collaboration with industries and research institutions to setup specialized laboratories and joint research programs. Such initiatives will provide an opportunity to the students to have feel of real on sight situations in the industries and how to handle them. The Department is working on innovative ideas in collaboration with Design Innovation Centre-NITUK for the rural development in the state of Uttarakhand

Vision:

To become a Centre of Excellence in Mechanical Engineering education and research for sustainable socio-economic development

Mission:

- To develop a state-of-the-art infrastructure for imparting quality education.
- To impart technical skills and professional ethics to the students for making them employable and thus contributing in nation building.
- To perform inter-disciplinary as well as collaborative research in the frontier areas of technology for sustainable development of the society.
- To promote leadership, innovation and entrepreneurship among the students.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

1. Imparting engineering skills among the students for the sustainable development of the society.
2. Developing communication skills, leadership and professional ethics among the students.
3. Inculcating the design capability among the students and promote product development, innovation and entrepreneurship.

PROGRAM SPECIFIC OUTCOME (PSOs) (for UG Programme):

1. Apply innovative ideas for design and development of devices to solve real world problems related to Mechanical Engineering
2. Utilize the renewable energy resources for sustainable development of the society

PROGRAM OUTCOMES (Pos)

1. Engineering Knowledge: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. Problem Analysis: Identify, formulate, research literature and evaluate complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
3. Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
4. Conduct investigations of complex problems: use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
5. Modern Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6. The Engineer and Society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
7. Environment and Sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
9. Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
11. Project Management and Finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

FACULTY & STAFF:

S. No.	Faculty Name	Designation	Areas of Specialization
1	Dr. Sanat Agrawal	Associate Professor	Design Engineering
2	Dr. Gurinder Singh Brar	Associate Professor	Manufacturing Engineering
3	Dr. Lalta Prasad	Associate Professor	Thermal Engineering
4	Dr. Pawan K. Rakesh	Assistant Professor	Manufacturing Engineering
5	Dr. Vinod Singh Yadav	Assistant Professor	Thermal Engineering
6	Dr. Vikas Kukshal	Assistant Professor	Design Engineering
7	Dr. Apurba Mandal	Assistant Professor	Design Engineering
8	Dr. Niraj K Mishra	Assistant Professor	Thermal Engineering
10	Dr. Dungali Sreehari	Assistant Professor	Manufacturing Engineering
11	Dr. Hitesh Sharma	Assistant Professor	Manufacturing Engineering

12	Dr. T. Sudhakar	Assistant Professor	Thermal Engineering
13	Dr. Deepak Kumar	Assistant Professor	Thermal Engineering
14	Dr. Gaurav Kumar	Assistant Professor	Manufacturing Engineering
15	Dr. Prasant Tiwari	Assistant Professor	Design Engineering

NON-TEACHING STAFF:

S. No.	Name	Designation
2.	Mr. Mohd Arshad Saify	Technical Assistant
3.	Mr. Santosh Singh Rawat	Technician
4.	Mr. Rinku	Technician
5.	Mr. Pawan Rana	Technician
6.	Mr. Krishan Kumar	Technician
7.	Mr. Malkeet Singh	Lab Attendant

FULL TIME PH.D. SCHOLARS

S. No.	Roll No.	Name of Student	S. No.	Roll No.	Name of Student
1	DT19MEJ010	Amit Kumar	6	DT20MEJ005	Rajesh Kumar
2	DT20MEJ001	Arun Uniyal	7	DT20MEJ007	Prasoon Chaudhary
3	DT20MEJ002	Pramod Prabhakar Bijlwan	8	DT20MEJ008	Ashu Kumar
4	DT20MEJ003	Shaurya Bhatt	9	DT21MEJ002	Deepak Kumar
5	DT20MEJ004	Hari Narayan Singh	10	DT22MEJ001	Nishu Giri

PART TIME PH.D. SCHOLARS

S. No.	Roll No.	Name of Student	S. No.	Roll No.	Name of Student
1	DT16MEJ002	Tushar Adgale	12	DT21MEJ001	Anuj Kumar
2	DT17MEJ001	Mayank Pokhriyal	13	DT21MEJ003	Mohd Talha Khan
3	DT19MEJ009	Nishant Kumar	14	DT21MEJ004	Ram Mohan Gupta
4	DT19MEJ001	Ankit Varshney	15	DT21MEJ006	Hari Om Maurya
5	DT19MEJ003	Anurag Maheswari	16	DT21MEJ008	Pushkar Singh
6	DT19MEJ004	Vineet Singh	17	DT21MEJ009	Kapil Mohan
7	DT19MEJ007	Neeraj Gupta	18	DT22MEJ001	Vivek sheel Yadav
8	DT19MEJ012	Gulraj Singh	19	DT19MEJ011	Vivek Bahuguna
9	DT20MEJ006	Himanshu Sah	20	DT22MEJ004	Sumit Kumar Gupta
10	DT20MEJ009	Ayush Painuly	21	DT23MEJ001	Devashish Tiwari
11	DT20MEJ010	Ganesh Kumar Sharma			

LABORATORIES:

HEAT TRANSFER LAB:



LIST OF EXPERIMENTS:

- 1 To determine Stefan Boltzmann constant for radiant heat transfer.
- 2 To determine efficiency and effectiveness of the fin by natural using Pin fin apparatus.
- 3 To determine efficiency and effectiveness of the fin by forced convection using Pin fin apparatus.
- 4 To determine forced convection heat transfer coefficient for flow through the given Horizontal tube.
- 5 Determination of thermal conductivity of pipe insulation by lagged pipe apparatus.
- 6 To study the pool boiling phenomenon up to critical heat flux apparatus.
- 7 To determine thermal conductivity of metal rod.
- 8 To determine heat transfer coefficient in parallel and counter flow in a tubular heat exchanger.
- 9 To determine performance of cooling tower
- 10 Shell and tube heat exchanger

LIST OF EQUIPMENT'S

- | | |
|---|---|
| 1 Refrigeration Test RIG. | 11 Air conditioning Test RIG. |
| 2 Thermal Conductivity of Metal Rod. | 12 Tubular Heat Exchanger Experimental Kit. |
| 3 Stefan's Law Apparatus. | 13 Heat conduction unit |
| 4 Heat Transfer from a pin fin. | 14 Digital Bomb Calorimeter (for determination of calorific value of liquids and solids) |
| 5 Force Convection App. | 15 Air Duct Unit |
| 6 Boiling curve App. | 16 Shell and Tube Heat Exchanger |
| 7 Heat transfer through lagged pipe | 17 Hygrometer |
| 8 Cooling Tower Test RIG. | 18 Constant Temperature Bath |
| 9 Conduction composite cylinder experiment. | 19 Vapour Absorption Refrigeration System |
| 10 Pool boiling apparatus. | |

APPLIED THERMODYNAMICS LAB

LIST OF EXPERIMENTS

- 1 Study of different type of boilers
- 2 To study the working and function of mountings & accessories in boiler.
- 3 To determine the viscosity of lubricating oil by Redwood Viscometer.
- 4 Determination of calorific value of liquid and solid fuels using oxygen bomb calorimeter
- 5 To study the construction and working of 2-stroke petrol engines.
- 6 To study the construction and working of 4-stroke diesel engine
- 7 To Study of fuel supply system for petrol engine.
- 8 To study the fuel supply system of diesel engine
- 9 To draw the valve timing diagram of the given four stroke diesel engine
- 10 To find out the volumetric efficiency of double stage air compressor
- 11 To find out the volumetric efficiency of an air compressor.
- 12 To study the performance of 2-Stroke Single cylinder Petrol engine connected to a rope brake dynamometer.
- 13 To study the performance of 4-Stroke Single cylinder diesel engine connected to an electric brake dynamometer.
- 14 To prepare a heat balance sheet for 4-Stroke Single cylinder diesel engine connected to an electric brake dynamometer.



LIST OF EQUIPMENT'S

- | | | | |
|---|---|----|--|
| 1 | One Cylinder 4 Stroke Diesel Engine Test Rig. | 9 | Two Stroke one Cylinder Petrol Engine (Actual Cut Section). |
| 2 | One Cylinder 4 Stroke Diesel Engine Test Rig 7.5 kw. | 10 | Fuel Supply System of A petrol Engine (Model). |
| 3 | Red wood Viscometer | 11 | Gate Valve, Fusible Plug, Gate Valve Lever Safety Valve, Lever Safety Valve, Steam Injector, Spring Loaded Safety valve. |
| 4 | One Cylinder 2 Stroke Petrol Engine Test Rig. | 12 | Babcock & Wilcox Boiler Model |
| 5 | Single stage Air compressor test Rig. | 13 | Lancashire Boiler Model. |
| 6 | Double stage Test Air Compressor. | 14 | Vertical Water Tube Boiler Model. |
| 7 | Four stroke single cylinder water cooled Diesel Engine (Model). | 15 | Model of Cornish Boiler. |
| 8 | Four stroke Diesel Engine | 16 | VCR Multifuel Engine |

FLUID MECHANICS LAB

LIST OF EXPERIMENTS:

- 1 To study of the different types of hydraulic turbines.
- 2 To verify the momentum equation experimentally.
- 3 To study the performance characteristics of a centrifugal pump and to determine the characteristic with maximum efficiency.
- 4 To study the performance characteristics of a reciprocating pump and to determine the characteristic with maximum efficiency.
- 5 To draw the characteristics curves of gear oil pump and also to determine efficiency of given gear oil pump.
- 6 To conduct load test on pelton wheel turbine and to study the characteristics of pelton wheel turbine
- 7 To conduct load test on Francis turbine and to study the characteristics of Francis turbine.
- 8 To study the two pump performances, both in series and parallel operation and to draw the characteristics curves in both series and parallel arrangement.
- 9 To verify Bernoulli's equation.
- 10 To reproduce the dye line experiment as performed by Reynolds and to obtain the criteria for Laminar and Turbulent flow.
- 11 Determination of coefficient of discharge, coefficient of contraction, coefficient of velocity of orifice & mouthpiece.
- 12 To calculate coefficient of discharge, C_d of Venturi meter.
- 13 To calculate coefficient of discharge, C_d of Orifice meter.
- 14 To compare theoretical and actual value of flow over notch.
- 15 To study free and forced vortices.
- 16 To find the Coriolis component of acceleration and verify the result.
- 17 To determine the friction factor of a given pipe of circular cross section.
- 18 To determine the Metacentric height of a floating body (i.e. a model of ship) and to locate the center of Buoyancy, efuelling and center of gravity.
- 19 To determine the percentage error in Rotameter with the actual flow rate.





LIST OF EQUIPMENT'S

1	Bernoulli's Theorem kit.	12	Axial flow Runner, Francis Runner model.
2	Losses in pipe kit.	13	Francis Turbine test Rig.
3	Orifice, venture's kit.	14	Gear Pump Set Up
4	Corelli's force Demonstration.	15	Centrifugal Pump Test Rig.
5	Metacentric height kit.	16	Cut section model Centrifugal pump, Cut section model gear pump.
6	Notches kit.	17	Reciprocating Pump Test Rig.
7	Impact of Jet kit.	18	Pelton Turbine Model, Centrifugal Pump model, Cut section Gear pump suction.
8	Reynolds's Apparatus.	19	Series & Parallel Pump setup
9	Free and forced vortices.	20	Centrifugal pump model, Piston pump cutaway model, gear pump model
10	Orifice and Mouthpiece.	21	Magnetic Stirrer
11	Pelton wheel Turbine test Rig.	22	Overhead Stirrer

SOLID MECHANICS LAB



LIST OF EXPERIMENTS

- 1 To verify Hooke's law for a spring and to determine the spring's elastic constant by static deformation
- 2 To study the Brinell hardness testing machine and the Brinell hardness test
- 3 To determine the impact strength (toughness) of steel by Izod impact test.
- 4 To determine the impact strength (toughness) of steel by Charpy impact test.

- 5 To conduct tensile test on mild steel specimen using Universal Testing Machine
- 6 To find the compressive strength of given specimen.
- 7 To determine experimentally the value of flexural (EI) rigidity for a cantilever beam carrying point loads and to verify the result with analytical method.
- 8 To determine experimentally the deflection at mid-point on a simply-supported beam carrying point loads and to verify the result with analytical method.
- 9 To conduct torsion test on mild steel specimens to find out modulus of rigidity.
- 10 To determine the endurance limit of given specimen under fatigue loading or cyclic loading.
- 11 To determine the moment of inertia of sample object by using Tri-filar suspension system.

LIST OF EQUIPMENT'S

- | | | | |
|---|---|----|------------------------------------|
| 1 | Brinell hardness testing. | 9 | Euler column experiment apparatus. |
| 2 | Universal Testing Machine. | 10 | Try filler suspension. |
| 3 | Impact Testing Machine. | 11 | Izod & Charpy testing M/C |
| 4 | Buckling efuellin bars apparatus. | 12 | Torsion Testing Machine |
| 5 | Hook's law apparatus. | 13 | Fatigue Testing Machine |
| 6 | Deformation of curved axis beam. | 14 | Digital Weigning Balance |
| 7 | Deformation of the straight beam apparatus. | 15 | Shore Hardness Tester |
| 8 | Deformation of U/S shaped from apparatus. | 16 | PLC based Pneumatic Trainer |

KINEMATICS OF MACHINE LAB

LIST OF EXPERIMENTS

- 1 To calculate the efficiency of Single Start Worm and Worm Wheel.
- 2 To determine the coefficient of friction between a belt and pulley with the help of a combined coil and belt friction apparatus
- 3 To determine the moment of inertia of sample object by using Tri-filar suspension system.
- 4 To calculate the mechanical advantage, velocity ratio and efficiency of double purchase winch crabs machine.
- 5 To check experimentally the method of calculating the position of counter balancing weight in rotating mass system.
- 6 To perform experiment on Watt Governors to prepare performance characteristic Curves, and to find stability & sensitivity.
- 7 To determine the whirling speed of shafts with various diameters experimentally and compare it with theoretical values.
- 8 To analyses the motion of a motorized gyroscope when the couple is applied along its spin axis.
- 9 Experimental studies of vibration of a cantilever beam on mode shapes.
- 10 To study gyroscopic effects through models.
- 11 To study the various types of dynamometers.
- 12 To perform the experiment for static balancing on static balancing machine.



LIST OF EQUIPMENT'S

- 1 Two Stage Spur Gear Model.
- 2 Slotted Link Mechanism Model.
- 3 Planetary Gear Model.
- 4 V Belt drives Model.
- 5 Multi plate Clutch actual Model.
- 6 Single Stages Spur Gear Model.
- 7 With Worth Quick Return Mechanism Model.
- 8 Crank and Connection Rod.
- 9 Double hook Coupling.
- 10 Static and Dynamic Balancing
- 11 Governor Apparatus.
- 12 Winch
- 13 Whirling of Shafts Apparatus
- 14 Combined Flat & 'V' belt friction Apparatus
- 15 Motorized Gyroscope
- 16 Worm and Worm Wheel Apparatus.

COMPUTER AIDED DESIGN LAB



LIST OF EXPERIMENTS

- 1 To draw a part drawing in catia
Make 3D model and practice the detailed part drawing and assembly of Belt roller Support using
- 2 AutoCAD software tool. All dimensions are in mm
Make 3D model and practice the detailed part drawing and assembly of universal coupling using
- 3 AutoCAD software tool. All dimensions are in mm
- 4 Make the assembly of the given parts in AutoCAD software tool. All dimensions are in mm.
- 5 Complete the assembly of the following exercises using AutoCAD software tool
Make 3D model and practice the part design using following data. Extract the front view, side view and
- 6 elevation of the part using AutoCAD software tool. All dimensions are in mm.
- 7 Practice the following exercises using AutoCAD

8 Practice the following exercises using AutoCAD software tool.

LIST OF EQUIPMENT'S/SOFTWARE

- | | |
|--|--|
| 1 Desktop Computer-30 | 4 AUTOCAD Software installed on 30 systems |
| 2 ANSYS Software installed on 30 systems | 5 MATLAB installed on 30 systems |
| 3 CATIA Software installed on 30 systems | 6 Lab View Software (NI Instruments) |

MEASUREMENT LAB



LIST OF EXPERIMENTS

- 1 To understand construction of Vernier Caliper and calculate its least count.
- 2 To understand construction of outside micrometer and calculate its least count
- 3 Study & Observe Vernier Height gauge, Digital Height gauge and Vernier Depth gauge.
- 4 Study of Depth micrometer
- 5 Direct and indirect measuring instruments like Screw pitch gauge, radius gauge, small hole gauge, Telescopic gauge and Feeler gauge.
- 6 To study and use Vernier Bevel Protractor.
- 7 To find unknown angle of a given component using Sine Bar.
- 8 Micrometer calibration by Slip Gauges
- 9 To study characteristic graph of LVDT sensor.

LIST OF EQUIPMENT'S

- | | |
|---------------------|-------------------------|
| 1 Sine Bar 6" & 12" | 15 LG Microwave Oven |
| 2 Feeler Gauge | 16 Strain Gauge Trainer |

- | | | | |
|----|--------------------------------|----|-----------------------------------|
| 3 | Height Gauge | 17 | Peristaltic Pump |
| 4 | Slip Gauge block set | 18 | Weighing Machine |
| 5 | Surface plate (Granite) | 19 | Abrasive Wheel Polishing Machine |
| 6 | Plug Gauge (Go, No-Go Gauge) | 20 | Digital Vernier efuell (300mm) |
| 7 | Bevel Protector | 21 | Radius Gauge |
| 8 | Comparator (Mechanical) | 22 | V Block with C Clamp |
| 9 | Wire Gauge | 23 | Spirit Level |
| 10 | Micrometre | 24 | Gear tooth vernier caliper |
| 11 | Vernier efuell (150mm, 200mm) | 25 | Vernier efuell |
| 12 | Research Binocular Microscope | 26 | Portable surface roughness tester |
| 13 | Material Processing Micro oven | 27 | Stereo zoom microscope |
| 14 | LVDT Trainer | | |

MACHINE TOOL LAB



LIST OF EXPERIMENTS

- 1 Study about the machining processes
- 2 To study the characteristic features of lathe Machine
- 3 To perform the Turning, Facing, Grooving and Threading operations on given mild steel rod
- 4 To study the characteristic features of Milling Machine
- 5 To study the characteristic features of Shaper Machine

- 6 To machine a V block
- 7 To drill and tap holes on the mild steel rod as shown in the sketch
- 8 To perform the grinding operation on surface grinder Machine
- 9 Introduction about non-conventional machining processes

LIST OF EQUIPMENT'S

- | | | | |
|---|--------------------------------------|----|---------------------------------------|
| 1 | Lather Machine 01; Lather Machine 03 | 9 | Fly Wheel Press (Hand Press) |
| 2 | Shaper Machine | 10 | Hydraulic Press |
| 3 | Surface Grinder | 11 | Ultrasonic Machining Machine |
| 4 | Universal Milling Machine | 12 | Digital Vernier efuell (150mm) 02 nos |
| 5 | Bench Drill Machine | 13 | Dynamometer |
| 6 | Shearing Machine | 14 | Bench Grinder |
| 7 | Anvil Small | 15 | Hand Drill Machine |
| 8 | Power Hacksaw | | |

MECHANICAL WORKSHOP LAB



LIST OF EXPERIMENTS

- 1 To file the given two Mild Steel pieces in to a square shape of 48 mm side as shown in Figure.
- 2 To file the given Mild Steel pieces in to a stepped cut piece of having equal step-dimension E1
- 3 To make V- fit from the given two MS plates as shown in Figure -E2
- 4 To make a T-lap joint
- 5 To make a dovetail lap joint
- 6 To make a mortise and tenon joint
- 7 To make a single v-butt joint, using the given mild steel pieces of by arc welding.
- 8 To make a double lap joint, using the given mild steel pieces and by arc welding.
- 9 To make a corner joint, using the given mild steel pieces and by arc welding.
- 10 To make a T- joint, using the given mild steel pieces and by arc welding
- 11 To make a cylinder using the given G-I SHEET joint by the spot welding process.
- 12 To prepare a wooden pattern (solid pattern).
- 13 To make a square tray of given dimension (75mm × 75 mm) using given GI sheet.

LIST OF EQUIPMENT'S

- | | | | |
|---|------------------------|----|---------------------|
| 1 | Are Welding Machine-1. | 9 | Carpentry Vice-8 |
| 2 | Gas Welding Setup | 10 | Cope & Drag-3 |
| 3 | Spot Welding Machine. | 11 | TIG Welding Machine |

4	Muffle Furnace -1	12	Wood Lathe Machine
5	Anvil Big & Small	13	Reciprocal Shaker
6	Carpentry Vice-4	14	Jack Planer-2
7	Bench Vice-2	15	Arc Welding Machine
8	Bench Vice-9	16	Moulding Box-03

VIBRATION LAB UNDER KOM LAB

LIST OF EXPERIMENTS

- 1 To verify the relation of simple pendulum
- 2 To determine the radius of gyration 'k' of a given compound pendulum
- 3 To determine the radius of gyration of given bar by using Bi-Filer suspension.
- 4 To study the Torsional Vibrations of single rotor system.
- 5 To study the Free Vibration of Two Rotor System and to determine the Natural Frequency of Vibration Theoretically & Experimentally.
- 6 To study the Damped Torsional Oscillation & to determine the damping co-efficient C.
- 7 To verify the Dunker ley's Rule Viz.
- 8 To study the longitudinal vibration of helical spring and to determine the frequency and time period of oscillation theoretically and actually by experiment.
- 9 To study the undamped free vibration of equivalent spring mass system and To find the frequency of undamped free vibration of equivalent spring mass system.
- 10 To study the Forced damped Vibration of Equivalent Spring Mass System and To find the frequency of forced damped equivalent spring mass system and To find amplitude of vibration.
- 11 To study the forced vibration of the beam for different damping. and
- 12 To find frequency of beam at different damping.



LIST OF EQUIPMENT'S

1	Universal Vibration Setup	3	Multi channel Band Pass Filter
2	Multi channel Sensing and Actuation Unit	4	Dynamic Vibration Shaker with Power Oscillator

DETAILS OF PATENTS/COPYRIGHT ETC:

S. No.	Title	Application Number	Date of Filing/Publication/Award	National/ International	Name of Inventors
1.	POWER DRIVEN STAIR CLIMBING TRI-WHEELED SPIDER-WHEEL SYSTEM	Grant No.: 415820 Application No.: 202211020472	Published on 22/04/2022, filed on 05/04/2022, granted on 28/12/2022.	National	Dr. Vinod Singh Yadav Nishant Kumar Megha Kainth Rajesh Kumar Deepak Kumar

DETAILS DETAILS OF R&D PROJECTS:

S. No.	Title of the R&D Project	Funding Agency	Name of PI/Co-PI	Sanctioned Amount Rs. (in Lacs)	Status
1.	Development of Ceramic and UHMWPE Textile Based Hybrid Polymer Composite Armor	Ministry of Textiles	Dr. Amar Patnaik, MNIT Jaipur, Dr. Vikas Kukshal	363.36 Lakhs	On-going
2.	Development of ultrahigh sub-micron level measurement facility for coefficient of thermal expansion for dimensionally stable composite structures	Indian Space Research Organisation (ISRO)	Dr. Amar Patnaik, MNIT Jaipur, Dr. Vikas Kukshal	20 Lakhs	On-going
3.	Development of domestic cooking stove based on biomass gasification with porous radiant burner	SERB-DST	Dr. Niraj K Mishra	22 Lakhs	On-going
4.	Fabrication and testing of Lower Limb Prosthesis for Transtibial Amputee using Bio composites with energy restoring capability	ICMR	Dr. Pawan K Rakesh, Dr. Sanat Agrawal	28 Lakhs	On-going

Details of Consultancy Projects:

S. No.	Title of the Consultancy Project	Funding Agency	Name of PI/Co-PI	Sanctioned Amount Rs. (in Lacs)	Status
1.	Trap Cage Design	Uttarakhand Forest Department	Vinod Singh Yadav (PI) & Dr. D. Sreehari (Co-PI)	0.2	Ongoing
2.	Automated Vehicle design		Vinod Singh Yadav (PI) & Dr. Vikas Kukshal (Co-PI)	0.11	Ongoing

CONFERENCES/STC/FDPS ETC ORGANIZED:

S. No.	Coordinator/Secretary	Workshop Details	Venue	Date
1.	Dr. Dr. G.S Brar, Dr. Pawan Kumar Rakesh, and Dr. Hitesh Sharma	Workshop on "Novel materials: Processing, Characterization and Application"	NIT Uttarakhand	23 - 27 May, 2022
2	Dr. Dungali Sreehari Dr. Gaurav Kumar	STC On "Micromachining Technologies for Industrial Application"	NIT Uttarakhand	09 - 13 May, 2022

3	Dr. Prashant Tiwari	Six days Online Workshop on Interview Practices and Preparations: Mock Interviews	NIT Uttarakhand	23 - 31 Aug., 2022
4	Dr. Vinod Singh Yadav Dr. Yogesh Kumar Prajapati Dr. T Sudhakar Dr. Deepak Kumar	STC on Renewable Energy: Pathways and Technologies	NIT Uttarakhand	31 Oct - 04 Nov, 2022

CONFERENCES/STC/FDPS ETC ATTENDED:

S. No.	Faculty Name	Conference Details	Venue	Date
1.	Dr. Vinod Singh Yadav	Online ATAL-FDP on Advanced Computational Intelligence Techniques for Engineering and Science applications	Department of Chemical and CSE, MNIT Jaipur	9 - 20 Jan., 2023
2.	Dr. Vinod Singh Yadav	Online STC on "EMERGING Trends in Renewable Energy Technologies (ETRET-2022)	MNNIT Allahabad	20 - 24 June, 2022
3.	Dr. Apurba Mandal	STC on "Emerging Trends in Logistics and Supply chain Management"	MNNIT Allahabad	10 - 14 June, 2022
4.	Dr. Vikas Kukshal	Industrial Training "Additive manufacturing & its applications"	NIELIT	8 - 21 June, 2022
5.	Dr. Gaurav Kumar	Online training on comsol multiphysics intensive online training course	Comsol multiphysics, Bangalore	21 -25 November, 2022
6.	Dr. Vikas Kukshal	GIAN Course on Mechanics, processing and performance prediction of composite materials.	online (IIT Khargpur)	13 - 24 Feb., 2023
7.	Dr. Dungali Sreehai	GIAN Course on Mechanics, processing and performance prediction of composite materials.	online (IIT Khargpur)	13 - 24 Feb., 2023

OUTREACH ACTIVITIES

1. State-of-Art Lecture on "Future of Vehicles" on 7th March in International Conference on New Vistas of Development in Aerospace Engineering and Societal Development organized by Aerospace Engg. Division Board, IEI, Rajasthan State Centre, Jaipur and Mechanical Department, MNIT Jaipur during April 7-9, 2023 at IEI RSC, Jaipur.
2. Under Rastriya Aaviskar Abhiyan Dr. Yogesh Kumar Prajapati from the Mechanical Engineering Department along with four team members visited the Government upper primary school Dang (Khirsu block) on 17 May 2022. In this program the importance of science and technology for the betterment of the human being, society and overall environment was emphasized. Students were made aware about the important innovations that took place due to science.
3. Under Rastriya Aaviskar Abhiyan Dr. Niraj Kumar Mishra from the Mechanical Engineering Department along with four team members visited the schools and conducted the orientation sessions for the students and teachers. In the four schools selected by the state government in Khirsu and Kot blocks of Pauri district in the 3rd week of May 2022.
4. Dr. Apurba Mandal awarded unbeatable at first board in Chess in AIINIT Faculty and Staff Tournament at NIT Hamirpur and also secured 2nd Position as a captain of the Chess team, NITUK in the tournament during 17th to 19th Dec. 2022.

STUDENT'S ACHIEVEMENTS:

- Mr. Nishant Kumar, Full time PhD scholar under the supervision of Dr. Vinod Singh Yadav has selected in Haryana Public Service Commission, Technical Education Department as a Lecture (Automobile Engg.).
- Rohit Singh Negi, B. Tech. (2019-2023) achieved all India rank of 189 in GATE 2023.
- Mr. Harsh and his team of first year students of the department has secured 2nd position at National Level Innovation Fest-NAVIKARANAM-2023.

Student's Placement:

S. No.	Name of Students	Roll No.	Placed Company details	Package details (LPA)
1	Navita Nautiyal	BT19MEC012	L&T	6
2	Akshay Kumar	BT19MEC002	L&T	6
3	Afzal Ali	BT19MEC005	Renishaw	6.5
4	Kunal Aswani	BT19MEC008	Torcai	18
5	Dharmapuri Pavanchytanya	BT19MEC016	JSW	8.5
6	Sintaj	BT19MEC011	RCC Developers	4
7	Himanshu Patel	BT19MEC014	Maruti Suzuki	8.88
8	Ankit Taniwal	BT19MEC015	Maruti Suzuki	8.88
9	Rohit Singh Negi	BT19MEC014	Mahindra and Mahindra	8

Student's Internship:

		Roll no.	Name	Internship of Details
1.	Dr. Lalta Prasad	BT18MEC001	Aradhya Purohit	MLE Internship at Tiger Analytics India Consulting Pvt. Ltd., Chennai
		BT18MEC008	Himanshu Bohra	Oracle Fusion Human Capital Management at Trans Amerian Information Systems Pvt. Ltd., Ahmedabad
		BT18MEC014	Medha	Product Analyst Internship at Shipy Llama Logisol Pvt. Ltd., Gurgaon
		BT18MEC022	Aditya Roda	Business Analyst Internship at Info Edge (India) Ltd., New Delhi
		BT18MEC005	Stanzin Eshey	Incentive compensation of rare disease at ZS Associate Pvt. Ltd., Pune, Maharashtra
2.	Dr. Prashant Tiwari	75 % Placement Achieved in Mechancial Engineering Department		

Any other activities:

1.	Dr. Vinod Singh Yadav	Reviewer of INSPIRE AWARD-MANAK 2022-23 under National Innovation Foundation-India, GOI.
2.	Dr. Dungali Sreehari	Organized a National Level Innovation Fest – Navikaranam 2023 during 24 – 25 Feb 2023

05.06 DEPARTMENT OF PHYSICS

The Department of Physics is established in June 2019. Earlier it was the part of Department of Sciences and Humanities. Department offers core and elective courses in Physics for undergraduate B.Tech. programme of the Institute. Our courses are created in such a way that they are interdisciplinary in nature and can be chosen from any department within NIT UK, so one can tailor their degree to their interests. In addition, the department offers Ph.D. programme in Physics. Doctoral research is carried out in all major areas of Physical sciences. Major thrust areas are Condensed Matter Physics, Optics and Theoretical Physics. The Department has a dedicated team of distinguished faculty and staff members, trained at renowned Institutes in India and abroad. The Department offers a vibrant atmosphere to students and faculty to nurture the spirit of scientific inquiry and to pursue cutting-edge research in a highly encouraging environment.

Vision

To impart quality education and focus on interdisciplinary research in Physics and Nanotechnology to meet the global standards.

Mission

- To develop state of art educational and research environment for students.
- To educate undergraduate students about principles & applications of Physics in Engineering.
- Excel in scientific R & D and consultancy.

ACADEMIC STAFF:

S. No.	Faculty Name	Designation	Areas of Specialization
1	Dr. Manvendra Singh Khatri	Assistant Professor & Head	Thin films, Nanowires, Multilayers, Composite Materials
2	Dr. Indrajit M. Nagpure	Assistant Professor	Optical, Biomedical, Solar Cell Materials and Devices
3	Dr. Hardeep Kumar	Assistant Professor	Magnetism, Thin films, Spintronics, Nanotechnology, Sensors
4	Dr. Jagrati Sahariya	Assistant Professor	X-Ray Scattering, Charge and Magnetic Compton Profile, Ab-Initio Calculations, Density Functional Theory, Solar Cell Materials

NON-TEACHING STAFF:

- Mrs Neha Raturi, Technical Assistant (Physics)

Ph.D. STUDENTS:

S.No.	Name	S.No.	Name
1	Mr. Hardepinder Singh	4	Mr. Kailsah Ranger
2	Ms. Preeti Negi	5	Mr Praduman Singh
3	Mr. Himanshu Saini	6	Ms. Kanchan Rawat

RESEARCH AND DEVELOPMENT INFRASTRUCTURE/LABORATORIES

- i. Electrochemical Workstation: Utilized for electrochemical analysis and for the deposition of thin films
- ii. Spray pyrolysis: Utilized for fabrication of thin films and devices
- iii. Weighing balance
- iv. Laminar Air flow Cabinet
- v. NanoDcal Software



DETAILS OF R&D PROJECTS:

S. No.	Title of the R&D Project	Funding Agency	Name of PI	Amount Rs.(Lacs)	Status
1.	Study of FeRh epitaxial films and heterostructures for spintronics applications	UGC-DAE CSR, Indore	Dr. Hardeep Kumar (PI)	11.98	On-going
2.	Fabrication and haracterization of Co- based CoPt/Pt multilayered films by Electrodeposition	UGC-DAE CSR, Mumbai	Dr. M. S. Khatri (PI)	1.35	On-going
3.	Electronic structure strategies and electron momentum densities of some important functional materials	SERB New Delhi	Dr. Jagrati Sahariya (Co-PI)	18.5	Complete d in August 2022

DETAILS OF CONFERENCES/STC/FDPs ORGANIZED:

- i. Dr. Hardeep Kumar, Dr. I. M. Nagpure and Dr. M. S. Khatri have organised the STC on "Optical Materials and Characterization Techniques & Synchrotron Radiation and Neutron based Characterization Techniques" was organized by Dept. of Physics, NIT Uttarakhand in online mode from 24th Feb, 2023 to 03rd March 2023.
- ii. Dr. Jagrati Sahariya has organized the 4th National Conference on "Recent Advances in Physical Sciences (NCRAPS)" jointly organized by Department of Chemistry, Physics and Mathematics, during December 19-20, 2022. The conference received the financial support from SERB, New Delhi and UCOST, Dehradun.

COLLABORATIVE ACTIVITIES:

Ph.D. Degree awarded to Ms. Karina Khan "Structural, Electronic and Optical Investigation for Materials used in Energy Conversion and Storage" Manipal University Jaipur, (Nov 2022) (Co-Supervisor: Dr. Jagrati Sahariya).

OUTREACH & OTHER ACTIVITIES

- (i) Dr. M. S. Khatri has served as reviewer of innovative ideas/innovations received under the INSPIRE Awards-MANAK for the year 2021-22.
- (ii) Dr. I. M. Nagpure and Dr. M. S. Khatri have visited Govt. Uppar Primary School Khandukhal on 19/05/2022 for the conduction of orientation session under the scheme of "Rastriya Aaviskar Abhiyaan".
- (iii) Department of Physics has conducted expert lectures for B.Tech. 1st year students on 06 Feb and 10 Feb 2023, respectively via online mode.
- (iv) Prof. Arghya Taraphder, Department of Physics, IIT Kharagpur, Title of talk: From molecules to solids: the notion of an electronic band and its repercussions.
- (v) Dr. Akhilesh Kumar Mishra, Department of Physics, IIT Roorkee, Title of talk: Optics: Interference and diffraction.

05.07 DEPARTMENT OF MATHEMATICS

With persistent commitment towards quality education, the Department of Mathematics came into existence in June 2019. Earlier it was the part of Department of Sciences and Humanities. The department has strength of 05 faculty members including one Associate Professor to cater the needs of the Under-Graduate and Post-Graduate programs in the Institute. The department offers core as well as elective courses for B. Tech, M. Tech. and PhD programs of the Institute. The department offers Ph.D. program focusing on contemporary areas of fundamental importance and also involved in conducting workshops, seminars, expert lectures etc. to give extra edge to professional growth of students from time to time.

VISION

To be among one of the best Mathematics Department across the globe by application oriented teaching and research in Mathematics.

MISSION

1. Offering undergraduate and postgraduate integrated programs in multi-disciplinary / inter disciplinary and emerging areas of Mathematics.
2. Developing the world class infrastructure for the teaching and research environment for the students in the area of interdisciplinary Mathematics.
3. Escalating the interest of students in the discipline of Mathematics for applying it in complex engineering and scientific problems for the development of the nation.

ACADEMIC STAFF:

S.No.	Faculty Name	Designation	Areas of Specialization
1.	Dr. Kuldeep Sharma	Assistant Professor & HoD	Computational Mechanics & Numerical Methods
2.	Dr. Dharmendra Tripathi	Associate Professor	Biofluid –Mechanics, Mathematical Modelling, CFD, Pumping Flow, Bone Mechanics, Microfluidics, Nanofluids, Non-Newtonian fluids, Heat transfer and Energy
3.	Dr. Nitin Sharma	Assistant Professor	Mathematical Biology & Molecular Dynamics
4.	Dr. Dheerendra B. Singh	Assistant Professor	Nonlinear Wave propagation in Gaseous dynamics
5.	Dr. Kusum Sharma	Assistant Professor	Approximation Theory & Summability Theory

NON-TEACHING STAFF:

1. Technical Assistant - 01
2. Laboratory Assistant -01

Ph.D. STUDENTS:

One student Mr. Ashwani joined the department in the session 2022-2023 in Ph.D. program and with this total number of students are 10.

COMPUTATIONAL LAB:

Computational Lab facility with 21 Desktop Computers (*Processor: Intel Core i7-12th generation, 32 GB RAM*) and having a power backup of 10KVA online UPS is established in the Department for UG/PG and PhD students.



DETAILS OF CONFERENCES/STC/FDPS ETC ORGANIZED:

- 4th National Conference on “Recent Advances in Physical Sciences (NCRAPS-2022)” jointly organized by Department of Chemistry, Physics and Mathematics, during December 19-20, 2022 at NIT Uttarakhand through virtual mode.
- One week workshop on “Hands-on-Training on Solving Differential Equations in Engineering Sciences” organized at the Department of Mathematics, National Institute of Technology, Uttarakhand, during June 21 -25, 2022.
- Celebrated National Mathematics Day 2022 in the Institute on 22nd December 2022 and organized activities in the memory of Sh. Srinivasa Ramanujan.
- Organized expert lecture on “Environmental Conservation: Treatment of Wastewater for Drinking Purposes” jointly with Department of Physics and Department of Chemistry on the occasion of National Science Day on 28th Feb. 2023.
- Organized Orientation Programme in the Government Upper Primary School, Nagar Palika Srinagar (Khirsu Block) under the initiative of Rashtriya Avishkar Abhiyan (RAA) scheme, GoI on May18, 2022.
- Organized mentorship programmes for career counseling of school students on 8th December 2022 and on 19th February, 2023 at Kendriya Vidyalaya, SSB, Srinagar Garhwal and at GGIC, Srinagar Garhwal respectively under Vidyanjali Program of Ministry of Education.

DETAILS OF CONFERENCES/STC/FDPS ETC ATTENDED:

- Dr. Kuldeep Sharma successfully attended e-workshop on Data Analysis with Excel on 5th March 2023 organized by Commcad.
- Dr. Kusum Sharma attended an International Online Workshop on Trends in Analysis and Topology during 08th to 12th September 2022 organized by MNIT Jaipur.
- Dr. Kusum Sharma attended Short Term Course on Recent Development in Numerical Methods for Partial Differential Equations held from 30th May- 03rd June 2022 at National Institute of Technology Hamirpur.
- Dr. Kusum Sharma presented a paper entitled Degree of convergence of functions by triple product summability transform of its Fourier-Laguerre series, 2nd international conference on Orthogonal Polynomials, Special Functions, Computer Algebra: Applications in Engineering jointly organized by the Anand International College of Engineering, Jaipur, India and International Telematic University, Italy from Oct. 15-16, 2022.

COLLABORATIVE ACTIVITIES:

- Book Edited Amit Soni, D. Tripathi, Jagrati Sahariya, and Kamal Nayan Sharma, Energy Conversion & Green Nanotechnology, CRC Press, in collaboration with Manipal University Jaipur.

OUTREACH ACTIVITIES

- Dr. Dharmendra Tripathi is an Associate Editor of the Journal of International Academy of Physical Sciences in honorary capacity for a period of two years (2022 & 2023).
- Dr. Dharmendra Tripathi served as Guest Editor for Critical Reviews™ in Biomedical Engineering, Begell House
- Dr. Dharmendra Tripathi, Editor, Journal of Physics and Advanced Applications – JPAA (https://journalofphysics.net/journal/editorial_board_member/Dharmendra-Tripathi/National-Institute-of-Technology/332)
- Dr. Dharmendra Tripathi reviewed various papers of the Journals like Physics of Fluids, ICHMT, CJPY, JEM, JPM, etc.
- Dr. Kusum Sharma invited as an External examiner in the pre-registration seminar (Research Plan Presentation) of Ms. Garima Khare, Ph.D. Scholar at Mody University of Science and Technology Lakshmanagarh, held on 17th September 2022 through online Mode.

SPECIAL ACHIEVEMENTS:

- Dr. D. Tripathi listed in Year 2022 Edition of Research.com Ranking of Top 1000 Scientists in the field of Mechanical and Aerospace Engineering. Ranked #809 in the world and #11 in India (<https://research.com/scientists-rankings/mechanical-and-aerospace-engineering>)
- Dr. D. Tripathi recognized by various journals of Elsevier, Springer, AIP, etc. as Guest Editor & Reviewers.
- Dr. D. Tripathi listed in top 100,000 scientists by c-score (with and without self-citations) or a percentile rank of 2% or above in the sub-field as per September 2022 data-update for "Updated science-wide author databases of standardized citation indicators" (https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4?fbclid=IwAR3Tg7gUnW-4n1fWmKslsZbo9iOI_oHmn_Eoa0upkQrGlszwh5viY1GOE)
- Dr. D. Tripathi got "Best Paper Award" (Title: Study of unsteady flow in a porous medium with rhythmic membrane propulsion, Paper id: 181) in International Conference on Advancements in Interdisciplinary Research (AIR-2022) held on 6th -7th May 2022 at MNNIT Allahabad, Prayagraj, India.
- Dr. D. Tripathi listed in Year 2022 Edition of Research.com Ranking of Top 1000 Scientists in the field of Mechanical and Aerospace Engineering. Ranked #809 in the world and #11 in India (<https://research.com/scientists-rankings/mechanical-and-aerospace-engineering>).
- Dr. D. Tripathi worked as Review Editor on the Editorial Board of Frontiers in Chemistry for Theoretical and Computational Chemistry.
- Dr. D. Tripathi worked as Review Editor, on the Editorial Board of Mathematical Biology (specialty section of Frontiers in Applied Mathematics and Statistics).

OTHER ACTIVITIES:

- Mr. Pankaj Singh Rana under the supervision of Dr. Nitin Sharma successfully completed and awarded Ph.D. degree entitled Mathematical Modeling & Analysis of Epidemic Diseases.

- Chaired a session in “International Conference on Recent Advances in Mathematical Fluid Dynamics” (ICRAMFD-2022) during December 2-4, 2022 (HYBRID MODE), organized by the Department of Mathematics, MNIT, Jaipur, India.
- Chaired a session and delivered an invited lecture on “Virus Progression in Physiological Systems: A Fluid Dynamic Analysis via Modelling & Simulation” in International Conference on Biotechnology, Sustainable Bioresources and Bioeconomy (BSB2-2022) & XIX Annual Convention of The Biotech Research Society, India (BRSI) during 7th-11th December, 2022, organized by Department of Bioscience and Bioengineering, Indian Institute of Technology (IIT), Guwahati, India
- Mr. Dinesh Singh Bhandari, a research scholar of the Department under the supervision of Dr. Dharmendra Tripathi submitted his PhD thesis entitled “Study of Pumping Flow Models for Microscale Transport with Propagative Membrane Contraction” in the month of December 2022.
- Dr. D. Tripathi and Dr. Kusum Sharma received Grant of Rs 100000/- by SERB and Rs. 50000/- from UCOST and Rs. 100000/- from SERB for "4th National Conference on Recent Advancement in Physical Sciences" to be organized on 19-Dec-2022 to 20-Dec-2022 under the scheme "Assistance to Professional Bodies & Seminar / Symposia Scheme".

MEMBERSHIP OF PROFESSIONAL BODIES:

- Life Member of International Bioprocessing Association-An International Forum on Industrial Bioprocesses (IBA-IFIBiop) [Membership No: LM 327]
- Life Member of Biotech Research Society, India (BRSI) [Membership No: LM 2569]
- Life Member of Indian Science Congress [Membership No: L41508]
- Life Member of Indian Society of Theoretical and Applied Mechanics (ISTAM) [Membership No: L/1224]

DELIVERED LECTURES

- Dr. Nitin Sharma delivered an invited talk on “Mathematical Modeling and Analysis for the Intervention Policies of the COVID-19, Pandemic” in the 5th International Conference on Frontiers in Industrial and Applied Mathematics, (FIAM-2022)”, organized by Department of Mathematics, Central University Haryana, India, during 22-23, December, 2022.
- Dr. D. B. Singh delivered invited Talk in the workshop “Some Applications of Mathematics” organized at Government Degree College Thalain, Uttarakhand during 01-02, March, 2023
- Dr. D. B. Singh mentored students for career counselling and delivered a lecture on Importance of Mathematics for Future Career on 8th December 2022 at Kendriya Vidyalaya, SSB, Srinagar Garhwal under Vidyanjali Program of Ministry of Education.
- Dr. D. B. Singh delivered a lecture on the topic “Mathematics: Importance & Applications of Mathematics” on 19th February, 2023 at GGIC, Srinagar Garhwal under Vidyanjali Program of Ministry of Education.
- Dr. D. B. Singh Chaired a technical session in 4th National Conference on “Recent Advancement in Physical Sciences” jointly organized by Department of Chemistry, Department of Physics & Department of Mathematics, National Institute of Technology, Uttarakhand during December 19-20, 2022 at NIT Uttarakhand.
- Dr. Kuldeep Sharma and Dr. D.B. Singh delivered talks in the Government Upper Primary School, Nagar Palika Srinagar (Khirsu Block) under the initiative of Rashtriya Avishkar Abhiyan (RAA) scheme, GoI on May18, 2022.
- Dr. Kuldeep Sharma delivered an expert lecture in the One-week National Workshop cum Training Programme on Scientific Computing with Matlab organized by the DIT University, Dehradun during July 11-15, 2022.

Dr. D. Tripathi delivered the following talks:

- Plenary talk on “Role of Fluid motion in Canalicular System of Bone: Modelling & Simulation” in 28th International Conference of International Academy of Physical Sciences (CONIAPS-XXVIII)” December 21-23, 2022 organized by VSK University Ballari, Karnataka, India.
- Invited lecture on “Non-Newtonian Effects on Membrane-Based Pumping Flow: Modelling & Simulation” in National Conference of Mathematics and its application in Science (NCMAS 2022) 22th-23th December 2022 organized by Department of Mathematics, School of Sciences, Uttarakhand Open University, Haldwani.
- Invited lecture on “Mathematical Modelling of Canalicular Fluid Motion for New Bone Formation” “International Conference on Recent Advances in Mathematical Fluid Dynamics” (ICRAMFD-2022) during December 2-4, 2022 (HYBRID MODE), organized by the Department of Mathematics, MNIT, Jaipur, India.

- Invited lecture on “Progression of Novel Coronavirus in the Circulatory System: A Thermophysical Analysis”, in International Conference of the International Bioprocessing Association organized by National Kaohsiung University of Science and Technology, Taiwan during October 27-30, 2022.
- Invited lecture on “Alteration in Membrane-Based Pumping Flow with Shearthinning and Shearthickening behaviours of the Fluids” in 2nd International Conference on Applied Mathematics and Computational Sciences-2022 (ICAMCS 2022) organized by DIT University Dehradun during October 12-14, 2022.
- Keynote lecture on “A Fluid Dynamical Mathematical Approach for Progression of Novel Coronavirus SARS COV-2” in International Conference on Recent Advances in Fluid Mechanics (ICRAFM-2022) during October 4-6, 2022 organized by Manipal Institute of Technology, MAHE, Manipal, Karnataka, India.
- Expert talk on “Mathematical Modelling and its application in Biological Transport Phenomena” in International Workshop on “Recent Trends in Modeling and Its Applications-2022 (IWRMIA-2022)”, during Sept.4-8, 2022 organized by Department of Mathematics, Post-Graduate College Ghazipur, UP, India.
- Expert talk on “Hands on Practice on Mathematica Software for solving the Differential Equations” in a webinar on “Advances in Computational Mathematics” organized by Department of Mathematics & Statistics, Manipal University Jaipur, Rajasthan, India in association with Prof. P. R. Sharma Memorial Educator Association, India on July 11, 2022.
- Expert talk on “Hands on Training of Differential Equations using MATHEMATICA” in one-week Workshop on “Hands-on-Training on Solving Differential Equations in Engineering Sciences” organized by Department of Mathematics, NIT Uttarakhand during June 21-25, 2022.
- Expert talk on “Numerical Simulation on Physiological Flows” in 5-day International Workshop "Advanced Numerical Techniques for Differential Equations" being organized by MNIT Jaipur during June 06 – 10, 2022.
- Invited talk on “Study of Thermal Effects on Progression of SARS-COV-2 in Circulatory System: A Mathematical Model” in National Conference of Academy for Progress of Mathematics on “Recent advances in Mathematical Analysis and Applications” organized by DST-CIMS, Institute of Science, Banaras Hindu University during 7 - 8 May 2022.
- 02 lectures on “Role of Mathematics in Engineering Sciences” and “Mathematical Modelling of Biological Transport Phenomena” at Jawahar Lal Nehru Govt. Engineering College, Sundernagar, HP on 12th April 2022.
- Invited lecture on “A Fluid Dynamic Analysis for Virus Movement through Blood Flow” in International Conference on “Recent Advances in Fundamental and Applied Sciences” (RAFAS-2023) organized by School of Chemical Engineering and Physical Science, Lovely Professional University, during March 24-25, 2023.
- Invited lecture on “Modelling & Simulation of Virus movement through Blood Flow in Cardiovascular System” in International Seminar on Emerging Trends in Mathematics and its Applications” organized by Shri Ramswaroop Memorial University, on March 23, 2023.
- Invited lecture on “Progression of Virus via Physiological Transport: Modelling & Simulation” in 2nd International Conference on Recent Trends in Mathematical, Physical and Computational Sciences (ICRTMPCS-2023) organized by School of Mathematical and Physical Sciences, Dr. Harisingh Gour Vishwavidyalaya, Sagar, M.P. during March 17-19, 2023.

05.08 DEPARTMENT OF CHEMISTRY

Department of Chemistry was established in the year 2019 and erstwhile it was an integral part of Department of Science & Humanities since 2010. Department is teaching Applied Chemistry course and Applied Chemistry Lab Course for B.Tech 1st year (first and second semester). Courses. Faculty from the department are also teaching Engineering Chemistry and Quantum Chemistry courses to other than 1st year B.Tech. Department also offers various open elective courses for PhD course work. The main goal of offering these courses is to develop requisite proficiency and abilities to meet the challenges in engineering field to succeed in engineering career.

Department comprises well-equipped Chemistry Laboratory along with state-of-the-art research laboratory. Currently ten PhD students are working in the department whereas one PhD student has been awarded with PhD degree.

Department of Chemistry entails five grade-I Assistant Professors with PhD degree. The average experience of faculty members including PhD degree is ~15 years. Departmental faculty are actively engaged in teaching, research along with other important assignments given by the institute. Department also offers consultancy in Synthesis of Organic and Inorganic compounds. Faculty members are discharging important administrative responsibilities like Associate Dean (FW), Associate Dean (R&C), Associate Dean (Acad), Chairman (IPC), Assistant Registrar (Legal Cell) and Assistant Librarian etc.

VISION:

To envisage and excel in chemical education and research addressing the industrial and societal challenges to cater to the needs of national science and technology programs.

MISSION:

1. Providing students the deep rooted knowledge in Chemical Sciences and research oriented environment to broaden their ideas.
2. Promoting the cutting-edge research in the Chemical Sciences by establishing the state-of-the-art laboratories.
3. Facilitating students with knowledge and skills to identify and address the industrial as well as societal challenges.
4. Fostering the learning process by helping individuals to develop their potential and to spark their own ideas which will help in building their professional lives.

ACADEMIC STAFF:

S. No.	Faculty Name	Designation	Areas of Specialization
1	Dr. Rampal Pandey	Assistant Professor & Head	Synthesis and Structural Chemistry, Metal-Organic Frameworks, Supramolecular Chemistry, Soft and responsive materials, Catalysis and photo-catalysis,
2	Dr. Saroj Ranjan De	Assistant Professor	Development of new methodology reactions, Total Synthesis of Bioactive Natural Products, Transition-Metal-Catalyzed C-H Activation Reactions,
3	Dr. Rakesh Kumar Mishra	Assistant Professor	Small Molecule Probes, Fluorescent Materials, Covalent-Organic Frameworks, Biochar based Functional Materials,
4	Dr. Pankaj Kandwal	Assistant Professor	Theoretical calculations on molecules and materials, Computational material science, Membrane Science and Technology, Separation of hazardous contaminants from aqueous streams,
5.	Dr. Kamal Kant Tiwari	Assistant Professor	Ground water quality, Coordination Chemistry and Biological Applications of metal-complexes.

NON-TEACHING STAFF:

Permanent: 1) Mrs. Neha Raturi (Technical Assistant), 2) Mr. Anil Bhatt (Technician)

Outsourcing: Mr. Manish Chamoli (Data Entry Operator)

Ph.D. STUDENTS:

S. No.	Student Name	Supervisor	Co-supervisor
1.	Mr. Zafar Iqbal	Dr. Saroj R. De	--
2.	Ms. Vaishali Singh	Dr. Rampal Pandey	--
3.	Mr. Mohammad Masood Zafar	Dr. Rakesh K. Mishra	--
4.	Ms. Himani Sharma	Dr. Kamal Kant Tiwari	Dr. Rampal Pandey
5.	Mr. Sandeep Singh	Dr. Saroj R. De	--
6.	Mr. Sandeep Joshi	Dr. Rampal Pandey	--
7.	Ms. Rashmi Raghav	Dr. Kamal Kant Tiwari	Dr. Pankaj Kandwal
8.	Ms. Apoorva Anthawal	Dr. Pankaj Kandwal	--
9.	Ms. Neha Thakur	Dr. Rampal Pandey	--
10.	Ms. Prachi Rai	Dr. Saroj R. De	--

HIGHLIGHTS/ACHIEVEMENTS:

(a) PhD Degree

1. Dr. Asha Joshi has been awarded Ph.D. degree in the year 2023.
2. Mr. Zafar Iqbal submitted his Ph.D. Thesis in the year 2023.

(b) Invited Lectures

1. **Dr. Rampal Pandey** delivered invited lecture on “*Stimuli Responsive Low Molecular Weight Fluorescent Supramolecular Metallogels*” at 1st International conference on Recent Trends in Chemical Science and Sustainable Energy (RTCSSE-2023)” at NIT Delhi during March 24-25, 2023.
2. **Dr. Rampal Pandey** delivered invited lecture on “*Food Adulteration*” at Govt. Arts and Commerce College Sagar on Dec. 12, 2022.
3. **Dr. Rampal Pandey** delivered an expert lecture in the orientation programme of school students at Kendriya Vidyalaya Srinagar (Garhwal) on Dec. 08-09, 2022.
4. **Dr. Rampal Pandey** chaired the session in the 1st International conference on Recent Trends in Chemical Science and Sustainable Energy (RTCSSE-2023)” at NIT Delhi during March 24-25, 2023.
5. **Dr. Rampal Pandey** and **Dr. Rakesh K. Mishra** chaired the session in the 4th National Conference on Recent Advancement in Physical Science (NCRAPS-2022), December 19-20, 2022 jointly organized by Department of Chemistry, Department of Physics and Department of Mathematics, National Institute of Technology Uttarakhand.
6. **Dr. Rakesh K. Mishra** Delivered an invited talk in International Conference on Biochar-based functional materials: A synthetic perspective in Biotechnology, Sustainable Bioresources and Bioeconomy (BSBB-2022) and the XIX Annual Convention of the Biotech Research Society, India (BRSI), December 7-11, 2022; IIT Guwahati, India
7. **Dr. Rakesh K. Mishra** Delivered an invited talk in the National Conference on Exploring the Synthetic Tools for Biochar Based Functional Material in the National Conference on Environmental and Industrial Biotechnology, November 10-12, 2022. Department of Biotechnology, Dr. Ambedkar Institute of Technology for Handicapped, Kanpur.
8. **Dr. Rakesh K. Mishra** Delivered an invited talk in International Forum on Industrial Bioprocess (IBA-IFIBiop) X International Forum on Industrial Bioprocesses, October 27-30, 2022, National Kaohsiung University of Science and Technology, Kaohsiung, Taiwan.

DETAILS OF PATENTS/COPYRIGHT ETC:

S. No.	Title	Application Number	Date of Filing/Publication/Award	National/ International
1.	Real Time peripheral bed system for Relaxing spine of patient using stretches intensity and position	Design Number: 374256-001	16/11/2022	National -

COLLABORATIVE ACTIVITIES:

Research collaborations are underway with;

1. CSIR–Indian Institute of Petroleum (CSIR-IIP), Dehradun
2. Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi
3. Indian Institute of Technology, Varanasi
4. Indian Institute of Technology, Hyderabad
5. CSIR–National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram
6. Hemvati Nandan Bahuguna Garhwal University, Uttarakhand
7. National Institute of Technology, Kurukshetra
8. Doon University, Dehradun
9. Sant Longowal Institute of Engineering & Technology, Punjab
10. Shri Guru Ram Rai University, Dehradun

OUTREACH ACTIVITIES:

1. **Dr. Rampal Pandey** is a Section Editor-Inorganic Chemistry, Current Indian Science (Bentham Science).
2. **Dr. Rampal Pandey** is an Editor of book “Ethanol Chemistry: Production, Modelling, Applications, and Technological Aspects”. Publisher: IntechOpen, London, UK.

STUDENT'S ACHIEVEMENTS:

1. Mr. Mohammad Masood Zafar won the best oral presentation award in the 4th National Conference on Recent Advancement in Physical Science (NCRAPS-2022), December 19-20, 2022
2. Ms. Neha Thakur, Ms. Himani Sharma and Mr. Sandeep Joshi participated at 1st International conference on Recent Trends in Chemical Science and Sustainable Energy (RTCSSE-2023) at NIT Delhi during March 24-25, 2023.
3. Ms. Vaishali Singh participated at in the International Conference on Soft Materials (ICSM-2022) organized by MNIT, Jaipur during December 11th-16th, 2022.
4. Ms. Himani Sharma participated at “Contemporary Facets in Organic Synthesis” (CFOS-2022) to be held during 1 st -4 th December 2022 at IIT Roorkee.
5. Ms. Apoorva attended international conference "Emergent Materials for Energy and Environment (EMEE-2023)" held at IIT Roorkee during March 04-05, 2023 and presented her paper on “Effect of doping of transition metal in 2D borophene on Lithium binding” (Authors: Apoorva, **Pankaj Kandwal***)
6. Ms. Rashmi Raghav attended International Conference and presented a paper on “Eco-friendly Microwave Assisted Synthesis of Nickel Oxide (NiO) and Manganese Oxide (MnO) Nanoparticles and their Morphological Studies” (Authors: Rashmi Raghav*, Devendra Kumar, Kamal Kant Tiwari, **Pankaj Kandwal***) during 16-17th March 2023.
7. Ms. Rashmi Raghav obtained Ph.D. scholarship for five years under the UGC - SJSGC fellowship scheme (2022-23).

8. Ms. Apoorva and Ms. Rashmi attended “Advanced Instrumental Techniques of Synthesis and Physicochemical Analysis of Nanomaterials” training program under the STUTI program at Doon University, Dehradun held during 27th January 2023 – 2nd February 2023.

ACHARYA PRAFULLA CHANDRA RAY MEMORIAL LECTURE:

To commemorate the birthday of Acharya P. C. Ray and remember his contribution towards Indian Chemistry, the Department of Chemistry, NITUK organized the **Acharya Prafulla Chandra Ray Memorial Lecture** on the birth anniversary of Late Prof. P. C. Ray i.e. **August 02, 2022**. Acharya Prafulla Chandra Ray, was born on Aug. 2, 1861 in RaruliKatipara, a village in the District of Khulna. Prof. Ray has contributed a lot in the area of chemistry in India. Equally important was his role as a teacher - he inspired a generation of young chemists in India thereby building up an Indian school of chemistry. Acharya P. C. Ray is considered as the father of the Indian Chemistry as well as Pharmaceutical industry.



Prof. M. R. Maurya, Department of Chemistry, Indian Institute of Technology Roorkee visited the NIT Uttarakhand to deliver the said lecture. The programme started with welcome note by the Dr. Rakesh K. Mishra. The chief guest of the function, Prof. Lalit Kumar Awasthi, Director, NITUK welcomed to Prof. Maurya by presenting the flower of bouquet while I/c Registrar, Dr. Dharmendra Tripathi welcomed to Prof. Awasthi. Prof. Awasthi remembered about the contribution of Acharya P. C. Ray and paid tribute to the freedom fighter for his contribution and building the Nation. Dr. Rampal Pandey, Head, Department of Chemistry expressed the views and need of the memorial lecture and read the biography of the Acharya P. C. Ray. Dr. Saroj R. De introduced about Prof. Maurya to the audience. Prof. Maurya delivered his lecture on “*Vanadate-Dependent Haloperoxidases Inspired Vanadium Chemistry*” and mentioned in detail about his experience about vanadium based chemistry. Moreover Prof. Maurya interacted with the young research scholars of the department and motivated them to do good science. After the interesting talk, Dr. Pankaj Kandwal proposed the vote of thanks. Dr. Tripathi praised about the effort made by the Department of Chemistry and thanked to Prof. Awasthi and Prof. Maurya for their support and contribution.

ANY OTHER ACTIVITIES:

1. Dr. Pankaj Kandwal interacted with the students of the Govt. Upper Primary School, Dhanchada, Uttarakhand under Rashtriya Aaviskar Abhiyan on 20th May 2023.
2. Dr. Pankaj Kandwal delivered invited lectures in Refresher Course in Chemistry conducted by North Eastern Hill University, Shillong during 31/10/2022 to 15/11/2022.

05.09 DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

With a persistent commitment towards value oriented education, the Department of Humanities and Social Sciences came into existence in June 2019. Striving to reach the higher goals of global standards as a part of department of Sciences and Humanities since 2010, the department facilitates multifarious and valued added learning to B. Tech, M. Tech. and PhD students. Catering to the academic and extra-curricular needs of the students, the department offers various courses in Communication English, Social Sciences, Literature and Cinema, Screenwriting and Creative Writing which strengthen the professional and personal growth of students. The department strives to create learning environment that is inclusive and diverse and promotes better learning experience and outcome. The department conducts workshops, seminars, conferences to give extra edge to professional growth of students from time to time. It also organizes expert lectures inviting eminent experts from IITs, NITs and Central Universities.

Vision

To achieve humanistic development of techno-savvy students into the socially responsible individuals in the service of community and nation at large.

Mission

1. Facilitating students with communicative excellence and life skills and prepare them to achieve global competence.
2. Igniting young minds to build critical thinking and creative perception towards their social surroundings.
3. Promulgating social values and ethical behavior and to contribute towards the sustainable development of industry and society.
4. Fostering inter-disciplinary research in the discipline of humanities and social sciences, contributing towards the growth of community and nation at large.

ACADEMIC STAFF:

S. No.	Faculty Name	Designation	Areas of Specialization
1	Dr. Renu Bhadola Dangwal	Head & Assistant Professor	Postcolonial Studies, Environmental Studies, Cultural Studies, Children's Literature, Indian English Writing, ELT & Communication
2.	Dr. Ajay Kumar Chaubey	Assistant Professor (On Lien)	Diaspora Studies, Popular Culture, Travel Writing, Translation Studies, Indian English Writing, ELT & Communication
3.	Dr. Rashmi Raina	Temporary Faculty	Sociology of Planning and Development, Social Networking Sites

NON-TEACHING STAFF:

S. No.	Name	Designation
1.	Ms. Neha Raturi	Technical Assistant
2.	Mr. Anil Bhatt	Technician
3.	Mr. Manish Chamoli	Data Entry Operator

Ph.D. STUDENTS:

S. No.	Name of the Scholar	Area of Research
1.	Joe Philip	Subaltern Studies
2.	Satyanarayan Tiwari	Postcolonial Studies
3.	Dona Soman	Posthumanism & Children Literature
4.	Manvi Sharma	Climate Change
5.	Sonalika Chaturvedi	Eco-disaster Narrative Studies
6.	Samir Gorai	Disability Studies

RESEARCH AND DEVELOPMENT INFRASTRUCTURE/LABORATORIES:

The department has well equipped Communication Skill Laboratory. It is a platform which offers an assortment of tools to sharpen basic LSRW skills of students. It caters to students' unique needs by which each student feels confident, secure and appropriately challenged. The lab is furnished with 30 computers and audio-visual technical tools. Facilitators locate and incorporate a variety of resources to accommodate students via audio-visual, tactile and kinesthetic methods. The English language communication skills laboratory course is a great booster for the students. Some important features of laboratory are:

- Fully interactive lab with teacher to learner, learner to teacher and learner to learner interactions.
- It helps students to learn pronunciation, stress accent, intonation, rhythm, and all other nuances of the phonetics of English language.
- The learners have freedom to record and playback their own voice recordings, assess them and store it and then re-play it whenever needed. They can perform personal assessments
- Introduction of earphone/headphone/microphone provides a student his/her privacy that creates a better environment for their speaking practice with-out hesitation.
- The students can also do a periodical self-evaluation to measure the progress as well as evaluate his/her language with that of the expert



DETAILS OF CONFERENCES/STC/FDPS ETC ORGANIZED:

An Online Expert Lecture on “Soft skill & Personality development, Socio-Economic Awareness and ethical values” was organized on 1st March, 2023 for the third and fourth year B.Tech students. Professor Binod Mishra from department of Humanities and Social Sciences IIT Roorkee delivered an expert lecture on the topic “How to Present Yourself Professionally?: Verbal and Non-Verbal Dimensions of Speaking Skills” from 6 to 7 p.m. in L.H. 10. The lecture addressed the various nuances of verbal and non-verbal dimensions of speaking skills in an elaborative manner throwing light on mechanics and stylistics of skill. Its primary focus was to guide senior students to present themselves

in the most effective manner during the presentation and interviews. Students' responses and doubts were invited at the end of the lecture. The event ended on an enthusiastic note. Refreshments were served to students at the last.



Highlights/Achievements:

Procurement: Purchase of 21 computers costing Rupees 2,274,027/- has been completed for the refurbishment of the language lab during FY 2022 -2023.

Paper Presentation in Conferences:

1. Sonalika Chaturvedi and Renu Bhadola Dangwal presented paper entitled "Making Sense of the Pandemic: Ecocultural Reflections on Ahmed Ali's Twilight in Delhi" Two- Day International Virtual Conference "Post Pandemic Perspectives: Reflections and Realities" organized by The Department of Management, Humanities & Social Sciences, NIT Agartala, India, during August 5 – 6, 2022.
2. Manvi Sharma and Dr. Ajay Chaubey presented a paper entitled - "The Ecological Face of "Rupture": Representation of the South Asian Climate Crisis in the Eco-documentaries with special reference to The Weeping Apple and Char... The No Man's Island" in ACLALS 19th Triennial Conference 2022 on "The Ruptured Commons, from July 11-July 15, 2022, in Ontario, Canada.
3. Dona Soman and Dr. Renu Bhadola Dangwal presented a paper entitled "Reimagining Posthumanism with Indian Philosophical Tradition: An Integrated Analysis of Panchatantra and Jatakamala" at International Conference on Language and Literature: Cultural and Pedagogical Perspectives in the Context of NEP 2020 organized by Government Degree College for Women Begumpet, Hyderabad in collaboration with OUCIS from 23-24 June 2022.
4. Manvi Sharma and Dr. Ajay Chaubey presented a paper entitled- "Heard Melodies are Sweet but those Unheard are Sweeter": Voicing the unvoiced Anthropocene in India through an Ecomusicological Lens", in Three-Day International Seminar on Environment across disciplines: Perspectives on the 21st Century, organized by the Department of English, Bodoland University during 9th- 11th February, 2022.
5. Samir Gorai attended Drishtikon 2.0 A Week Long Online Workshop on "Disability and Hindi Cinema" during July 4- July 9, 2022 organised by Centre for Disability Research and Training, Kirori Mal College, University of Delhi.
6. Samir Gorai, Dr. Renu Bhadola Dangwal, and Dr. Ajay Chaubey presented a paper entitled - "Writing Disability and Problematics of Representation: Exploring and Enabling the 'Self' in

MalinChib's One Little Finger in the national conference "From Disabled bodies to Abled Subjects", organized by Zakir Husain College, Delhi University on 20 March, 2022.

Details of Expert Lectures Delivered:

1. Dr. RB Dangwal delivered an expert lecture on "New Criticism: Theory and Praxis" at the English Department, HNB Garhwal University, 11 January 2023.
2. Dr. RB Dangwal delivered an expert lecture on "POSH 2013" at SSB Shrinagar Garhwal, Uttarakhand on 24 April 2023.
3. Dr. RB Dangwal delivered an expert lecture on "Social Construction of Gender" at SSB Shrinagar Garhwal, Uttarakhand on 25 April 2023.

06.00 RESEARCH & CONSULTANCY SECTION

06.01 PUBLICATIONS IN NATIONAL/INTERNATIONAL JOURNALS

- [1] S. G. Abbagouni, S. P. Chintada, and H. Kumar, "Loss Allocation in Three Phase Unbalanced Distribution Network Using Current Summation Approach," in 2022 2nd International Conference on Emerging Frontiers in Electrical and Electronic Technologies, ICEFEET 2022, 2022.
- [2] S. Agarwal and M. S. Khatri, "Effect of pH and Boric Acid on Magnetic Properties of Electrodeposited Co Nanowires," Proceedings of the National Academy of Sciences India Section A - Physical Sciences, vol. 92, pp. 111-116, 2022.
- [3] S. Agarwal, S. Kumar, and M. S. Khatri, "Fabrication and characterization of electrodeposited crystalline Au nanowires into anodic alumina templates," Journal of Optoelectronics and Advanced Materials, vol. 24, pp. 187-190, 2022.
- [4] S. Agrawal and A. Jain, "Physical Modelling of Nanda Devi National Park, a Natural World Heritage Site, from GIS Data," Cartographica, vol. 57, pp. 179-190, 2022.
- [5] J. Akram, N. S. Akbar, M. Alansari, and D. Tripathi, "Electroosmotically modulated peristaltic propulsion of TiO₂/10W40 nanofluid in curved microchannel," International Communications in Heat and Mass Transfer, vol. 136, 2022.
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- [7] J. Akram, N. S. Akbar, and D. Tripathi, "Thermal Analysis on MHD Flow of Ethylene Glycol-based BNNTs Nanofluids via Peristaltically Induced Electroosmotic Pumping in a Curved Microchannel," Arabian Journal for Science and Engineering, vol. 47, pp. 7487-7503, 2022.
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- [12] R. Balaji, J. Prakash, D. Tripathi, and O. A. Bég, "Computation of magnetohydrodynamic electro-osmotic modulated rotating squeezing flow with zeta potential effects," *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, vol. 640, 2022.
- [13] N. Bansal, S. Sachdeva, and L. K. Awasthi, "Database Migration Tools: From RDB to NoSQL Database," in *Frontiers in Artificial Intelligence and Applications* vol. 355, ed, 2022, pp. 563-570.
- [14] A. S. Bhandari, S. Bose, and P. Dwivedi, "Enhanced Dynamic Characteristics Of Bidirectional DC-DC SEPIC/ZETA Converter Based BESS," in *2022 2nd International Conference on Emerging Frontiers in Electrical and Electronic Technologies, ICEFEET 2022*, 2022.
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- [214] S. Srivastava, A. Tamrakar, S. Joshi, M. D. Pandey, and R. Pandey, "Metal-free hydroarylation derived ferrocene-dihydrocoumarin as ultrasensitive dual-channel probe selectively for picric acid," *Applied Organometallic Chemistry*, vol. 37, 2023.
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06.02 DETAILS OF PATENTS (NATIONAL/INTERNATIONAL)

S. No.	Title of the Patent	Patent Application No.	Date of Filing/Publication /Award	Inventor(s) and Co-Inventors Name	Status of Patent (Filed, Published / Granted)
1.	Power Driven Stair Climbing Tri-Wheeled Spider-Wheel System	202211020472 (Patent No. 415820)	04-05-2022	Vinod singh Yadav, Nishant Kumar	Granted
2.	Solar Power integrated bidirectional non-isolated DC-DC converter for E-Rickshaw	202211032781	06-08-2022	Prakash Dwivedi, Sourav Bose, Rakesh Thapliyal, Satyaveer Negi	Granted
3.	A Desk Mounted Air Purification Device	202211032621	06-07-2022	Agrawal S and Mishra NK	Published (FER)
4.	An analyzing method for use of recycled aggregates in concrete	202211028590 A	18/05/2022	N Kumar, Rajbahadur, M.S. Rawat, V Trivedi, N Trivedi, S Kaloni , BS Khati	Published
5.	Real Time Peripheral Bed System For Relaxing Spine of Patient Using Stretches Intensity And Position	374256-001 (Design)	16/11/2022	Dr. Man Vir Singh, Aman Bansal, Ham Lata, R K Tripathi, Ajay Singh Verma, Dr. Yogesh Kumar, Dr. Kamal Kant Tiwari	Filed
6.	System for synthesizing KMgSO4Cl nano-crystallite	202209141631400 ODE	14/09/2022	Dr. Indrajit M. Nagpure	Granted (German)

06.03 FUNDED SPONSORED RESEARCH PROJECTS

S. No.	Year	Details of Individual Project and Development Projects	Sponsoring/ Funding Authority	Scheme under which the fund was sanctioned	Fund allocated by Sponsoring/ Funding Authority	Status
1.	2016-22	Special Manpower Development Programme - Chip to System Design (SMDP-C2SD)	Ministry of Electronics & Information Technology, Gol	Ministry of Electronics & Information Technology, Gol	124.09 Lakhs	Completed
2.	2018-26	Design Innovation Center	MoE, New Delhi, IIT Roorkee	MoE, New Delhi, IIT Roorkee	100 Lakhs	Ongoing
3.	2019-22	Solar powered robust E-Rickshaw control with bidirectional DC-DC converter using regenerative cycle boost charging	MeitY	MeitY	30.03 Lakhs	Completed

4.	2020-23	Fabrication and characterization of Co-based CoPt/Pt multilayered films by Electrodeposition	UGC-DAE CSR, Mumbai	UGC-DAE CSR, Mumbai	1.35 Lakhs	Ongoing
5.	2020-23	Study of FeRh epitaxial films and heterostructures for spintronics applications	UGC-DAE CSR Indore	UGC-DAE CSR Indore	11.98 Lakhs	Ongoing
6.	2022-24	Fabrication and Testing of Lower Limb Prosthesis for Transtibial Amputee using Biocomposites with Energy Restoring Capability	ICMR, New Delhi	ICMR, New Delhi	28 Lakhs	Ongoing
7.	2022-24	DECONET- "DECONET- DEVELOPMENT OF INDIGENOUS SYSTEM FOR DECIPHERING ENVISIONED SPEECH FROM EEG SIGNALS USING OPTIMIZED DEEP CONVOLUTIONAL NEURAL NETWORK MODELS	CRG, DST-SERB	CRG, DST-SERB	40.70 Lakhs	Ongoing
8.	2022-	IoT- based Multifunctional Scalable Real Time Farm Monitoring System for Smart Agriculture**	DST iHub - AWaDH (Agriculture & Water Technology Development Hub), IIT Ropar	DST iHub - AWaDH (Agriculture & Water Technology Development Hub), IIT Ropar	16.97 Lakhs	Ongoing
9.	2022-25	Development of domestic cooking stove based on biomass gasification with porous radiant burner	DST-SERB	DST-SERB	22.13 Lakhs	Ongoing
10.	2023-26	Development of empirical model for fundamental natural period of buildings constructed in hilly terrains	SERB DST	SERB DST	40.8 Lakh	Ongoing

06.04 DETAILS OF CONSULTANCY PROJECTS

S. No.	Organisation Name	Consultancy project work (Type) / Name of the Project	Name of Project Investigator	Co-PI	Consultancy Amount (₹)	Payment received	
						Date	Amount (₹)
1.	M/s Eco Protection Engineers Pvt. Ltd.	Compression test of concrete cubes for 2.7MLD STP Marwari	Dr. Shashi Narayan	Dr. Amardeep	11,800	28-09-2022	11,800
2.	M/s- Festal Consulting Engineers Pvt. Ltd.	Vetting of Detailed project Report (DPR) of project " Rehabilitation and strengthening of 63.75M span steel truss bridge in Rudraprayag, Uttarakhand"	Dr. Shashi Narayan	Dr. Amardeep Dr. Shashank Bhatra	1,53,400	24-11-2022	1,53,400
3.	M/s RCC Developers Limited	Job Mix Design Roads	Dr. Aditya Kumar Anupam	Dr. Abhinav Kumar	1,77,000	09-12-2022	1,77,000

4.	M/s M.N. Construction Co.	Vetting of structural drawing for tension fabric	Dr. Shashi Narayan	-----	23,600	15-12-2022	23,600
5.	PWD Saharanpur	Density and bitumen content of the bituminous concrete	Dr. Aditya Kumar Anupam	-----	59,000/-	08-02-2023	59,000

06.05 MoU SIGNED

S.No.	Name of the Organization with MoU is Signed	MoU Date	National /International	Type of MoU
1	Jawaharlal Nehru Government Engineering College (JNGEC), Sundernagar, HP	12/04/2022	National	Academic
1	Indian Institute of Technology Roorkee, India @175 Partnership	27/05/2022	National	Academic
3	Indian Institute of Technology, Ropar	21/06/2022	National	Academic
4	Maharaja Ranjit Singh Punjab Technical University, Bathinda, Punjab	29/08/2022	National	Academic
5	Asia University, Taiwan	19/10/2022	International	Academic
6	Himachal Pradesh Technical University, Hamirpur, Himachal Pradesh	27/10/2022	National	Academic
7	National Highways & Infrastructure Development Corporation Ltd	31/10/2022	National	Industrial
8	National Institute of Technical Teachers Training and Research Chandigarh	23/01/2023	National	Academic
9	THDC Institute of Hydropower Engineering & Technology	27/01/2023	National	Academic
10	National Institute of Technology, Hamirpur, Himanchal Pradesh	06/02/2023	National	Academic
11	Government Hydro Engineering Collage Bilaspur Himachal Pradesh	20/02/2023	National	Academic
12	Covalience India Pvt Ltd	22/02/2023	National	Industrial
12	Graphic Era University, Dehradun	23/03/2023	National	Academic

06.06 DETAILS OF ACTIVITIES:

Expert Lectures:

- **Sagacious IP (A Global IP Research and Consulting Firm)**, is organizing a webinar on "**Understanding the Basics of Patent Drafting, Filing & Prosecution in India**" through ONLINE mode on **April 06, 2022 (Wednesday)**, from **3:00 PM onwards**. In that, the following Experts will deliver the talks at below mentioned time and enlighten us by sharing their knowledge and expertise:
 1. **Expert: Dr. Shweta Sharma**, Project Manager-Patent Drafting & Prosecution, Sagacious IP
Topic: Understanding the basic concepts of Patent Drafting
 2. **Expert: Mr. Abin T Sam**, Project Manager – IP Prosecution, Sagacious IP
Topic: Understanding the basics of Patent Prosecution & Filing
- Expert Lecture "**How to Plan Startup and Future directions**" **18th May 2022**, delivered by Mr. Krishna Balasubramanyam, by R&C Section.
- The following Expert will deliver the talk and enlighten us by sharing their vast knowledge and experience.

Expert: Mr. Krishna BalaSubramanyam
Co-Founder, Conscious Technologies, Bangalore
Topic: How to plan for Start-up and legal & Ethical Steps

- Expert Lecture **“Startup Ecosystem”**, Prof. J. P. Singh Joorel, Director, INFLIBNET Centre on **June 24, 2022.**
- Impact Lectures sessions (2 Lectures) conducted under Institute Innovation Council (IIC) under MoE’s Directives were organized on 8 July 2022.
- Expert Talk on **“Innovation/ Prototype validation Converting innovation into start-up”** by Dr K . S. Nagla, Associate Professor, NIT Jalandhar on 8 August 2022.
- Expert lecture on **“Opportunities for students and faculties- Early Stage Entrepreneurs”** by Mr. Ravi Challu, Founder of Bulletproof Your Start-up on 16 August 2022.
- **World Entrepreneurs Day Celebration** on 21th August 2022. On this occasion following activities were organized:
 - Expert Talk on **“Opportunities for Early Stage Entrepreneurs”** by Prof. S C Jain, Punjab University, Chandigarh.
 - Poster competition on theme **“Atama Nirbhar Bharat”**
- Attended one day event on **“Tech4Seva”** organized by Regional coordinating institute IIT Roorkee.
- Distribution of National Flag in almost each and every house of the adopted villages (Dungripant and Kaliyasaud) under **“Har Ghar Trianga Campaign”** was done by UBA Cell of NIT Uttarakhand.
- Visited government school of the adopted village Farashu, where presentation regarding **“Water Harvesting Methods and its Importance”** has been done with the students followed by some quiz completions and prize distribution.
- Visited government school of the adopted village Janshu, where information regarding some of the basic **science experiments, hygienes and importance of library** along with books has been presented among the students.
- Organization of **“Gram Sabha”** in the adopted village Kaliyasaud, where **Importance and Methods of Rain Water Harvesting** has been discussed to the villagers.
- Visit has been made to the adopted village Dungri Panth where **“Basic computer applications and use of computer and technology in day to day activities”** was discussed with school students.
- First One day expert lecture for the occasion of **“Celebration of International Years of Millets 2023”** has been organized by UBA Cell where aware about the **millets and its benefits** in their life for maintaining a good health was discussed by Prof. R K Maikhuri, Head Department of Environmental Science, HNB Garhwal University.
- Organized 2 impact lectures on **IPR** financially supported by MoE's Innovation Council/ AICTE - June 28th, 2022
- Organized 2 days hands-on workshop on **Patent Search and Drafting** (offline) in the institute by inviting Examiner's from Indian Patent Office, New Delhi during Aug. 29-30, 2022.
- Attended IIC regional meet held at AKTU, Lucknow by MoE's Innovation Council as NIT Uttarakhand representative on 29th Aug. 2022.
- Successfully organized orientation program at Government upper primary school Dang, Srinagar, khandu Khal, and Dhanchada, under Rashtriya Avishkar Abhiyan (RAA).
- Successfully organized an awareness session, on Swachhata Pakhwada in the Kendriya Vidyalaya, SSB Srinagar Pauri Garhwal on 03 September 2022.
- Successfully organized an awareness campaign on Swachhata Pakhwada in the local communities of Srinagar, Pauri Garhwal on 04 September 2022.

Workshops:

- Five days’ workshop On **“Novel Materials Processing characterization and Applications”** during May **23-27, 2022.**
- STC **“Micromachining Technologies for Industrial Application”**, May 9-13, 2022
- Virtual Worksop **“Brainstorming and Innovative ideas for Startup and Entrepreneurship”** during **July 18-22, 2022,**

- Five day workshop on “Pragmatic approach towards in innovation in product Design and Manufacturing” **04-08 July 2022** in association with DIC, IIT Roorkee.
- One Day Workshop on “**5G- Bedrock for Internet of the future**” by Mr. Subodh Gajare Senior Principal Architect – Cisco R&D, Bangalore shall be organized by R&C Section, NIT, Uttarakhand **on 17 September 2022**.
- Online workshop on IPR & Patents, Designs filing jointly with RGNIPM dated **16th, 19th, 20th Sept. 2022**.
- Online Faculty Development Program on "Research Trends in Security and Computing from **28th February - 04th March 2022**.

06.07 COMMUNITY DEVELOPMENT CENTRE

National Institute of Technology Uttarakhand organised two days orientation program through Vidyanjali Volunteer Services at Government Girls Inter College, Srinagar Garhwal on 21st and 22nd Feb 2023

The community development cell under Research and Consultancy, National Institute of Technology Uttarakhand has organized two days orientation program Vidyanjali Volunteer Service at Government Girls Inter College, Srinagar Garhwal on 21st and 22nd Feb 2023. Vidyanjali is an online portal launched by the Hon'ble Prime Minister Shri Narendra Modi Ji in September 2021, with the aim of strengthening the infrastructure, facilities and improving the quality of education in government and government aided schools. To fulfil the objective of the Vidyanjali program, a team of faculty members along with Dr. Sanat Agarwal, Dean Research and Consultancy, were visited to mentor the school students under Vidyanjali Volunteer Services. The total five sessions were conducted by faculty members. The innovation and importance of intellectual property right was discussed by Dr. Niraj Kumar Mishra and Dr. Pankaj Kumar Pal. DR. Dheerendra Bahadur Singh and Dr Manvendra Singh Khatri covered mathematics and physics respectively for various competitive examinations. Dr. Saroj Ranjan de discussed about the preparation of chemistry for various entrance examinations. Event was coordinated by Dr. Niraj Kumar Mishra, Coordinator and Mr. Vivek Kumar, member of Community Development cell, NIT Uttarakhand.



- **Activity 2:** As per the letter received the Principal Kendriya Vidyalayab SSB Srinagar had requested for nomination of Vidyalaya Management Committee. The above committee will have to give volunteer community service to the school for the holistic development of the students. The Community Development cell under the Research and Consultancy section has formed Vidyalaya Management Committee with due approval from Competent Authority.

06.08 DESIGN INNOVATION CENTER

Design innovation centre (DIC) was approved by the Ministry of Education (MoE), Government of India in 2018. The centre is established at Indian Institute of Technology Roorkee which is working as Hub, and NIT Uttarakhand as one of the spokes. The DIC NIT Uttarakhand worked on innovations in product developments, and added value to the existing engineering design. Several ideas have been perused for the development of new pedagogy in teaching and training in design and innovations. A number of design technologies for Hilly terrain have taken up at DIC, NIT Uttarakhand.

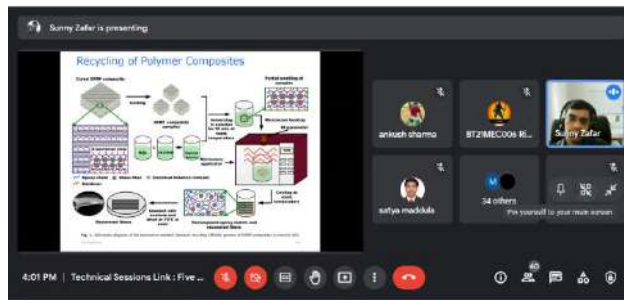
Objectives:

- (i) Promote a culture of innovation and creative problem solving.
- (ii) Provide an opportunity for new projects to students through curricular and extra-curricular projects.
- (iii) Knowledge sharing and collaboration amongst Industry, Academia, Government Institutions, Research Laboratories, etc.
- (iv) Commercialize innovations and take them to the end users.

Activities/Events Organized:

- (a) **Five day online workshop on Novel Materials: Processing, Characterization & Applications, 23rd - 27th May 2022, at NIT Uttarakhand.**

The inaugural function was presided by Prof. Lalit Kumar Awasthi, Director NIT Uttarakhand (Chief Guest). Prof. Inderdeep Singh was the Guest of Honour in the inaugural session and first session were taken up by Prof. Inderdeep Singh from M.I.E.D, IIT Roorkee. Prof. Awasthi laid focus on developing new materials for the betterment of the society. Prof. Singh delivered first talk on Design for Environment: A Material's Perspective. The speaker laid emphasis on how Design for Environment (DFE) can improve product quality and cost. He also explained various conditions for sustainability, the challenges involved and their solutions. A total of 12 experts from renowned institutes like IITs, NITs, NITTTR, etc. delivered the talk and enlightened the participants with their lectures.



(m) Five-day workshop on “Pragmatic approach toward Innovations in Product Design and Manufacturing” during 04-08 July 2022 under the Design Innovation Center, NIT Uttarakhand (spoke) in association with the Design Innovation Center, IIT Roorkee.

An inaugural ceremony of five day workshop on pragmatic approach towards innovation in product design and manufacturing was held on 04 June 2022 at 09:30 am. The venue of the event was **Room no. L2-103 of A. P. J. Abdul Kalam Block (LHC-II), IIT Roorkee**. **Prof. Apurbba Kumar Sharma**, Chief Guest; **Prof. Karun Rawat**, Guest of Honor; **Prof. Inderdeep Singh**, Coordinator DIC and Head of Department of Design; **and Prof. Varun Sharma**, Course coordinator; **Dr. Pawan Kumar Rakesh**, Coordinator DIC **NIT Uttarakhand**, esteemed guests, and participants were present in the inaugural ceremony. A total of 31 participants were participated in this workshop.



(a) **Five-day workshop on “Entrepreneurship and Innovation as carrier opportunity” during 04th to 08th January 2023 under the Design Innovation Center, NIT Uttarakhand.**

An inaugural ceremony of five day workshop on Entrepreneurship and Innovation as carrier opportunity was organized during 04-08 January 2023 at 4:00 PM in the Conference room of the Admin Block, NIT UK. Prof. B V Ramana Reddy, Director NIT Kurukshetra, Guest of Honor and Prof. Lalit Kumar Awasthi, Director, NIT UK was the chief guest of this program. The objective of the workshop was to promote the importance and culture of Entrepreneurship and Innovation as career opportunities and inculcate the skill set required for young minds. Total 97 participants were registered for the program.



Organized two days National Level Innovation Fest “Navikaranam 2023” on 25 - 26 February 2023.

The Chief Guest of this two day event was Dr Ravindra kumar Tyagi, Honorable Chairman BOG, NIT Uttarakhand, Guest of Honor was Honorable Director NIT Uttarakhand, Prof. Lalit Kumar Awasthi, and Prof. Akshay Diwedi, Department of Mechanical and industrial Engineering, IIT Roorkee. Dr. Sanat Agrawal, Dean R&C, Dr. Hariharanah Muthusamy, Dean FW, Head of the Departments, Faculty members, mentors, Media persons were present during the inauguration session of the event. Total 50 ideas were received from all over India. Out of 50 ideas, 26 ideas were scrutinized for second stage.



1. Facilities created/Lab development




CNC Milling Machine

2. Research articles acknowledging the DIC.

DIC has been acknowledged in the following research papers.

- Lalit Ranakoti, PK Rakesh, (2020) Physio-mechanical characterization of tasar silk waste/jute fiber hybrid composites, *Composites Communications*, 22, 100526.
- Adarsh Chaturvedi, Lalit Ranakoti, Pawan Kumar Rakesh, Niraj Kumar Mishra, (2021) Experimental investigations on mechanical properties of walnut shell and pine needle ash polylactic acid biocomposites, *Composites Theory and Practice*, 21:3 (2021) 114-120.
- Mayank Pokhriyal, Pawan Kumar Rakesh, Sanjay Mavinkere Rangappa, Suchart Siengchin, (2023) Effect of alkali treatment on novel natural fiber extracted from *Himalayacalamus falconeri* culms for polymer composite applications, *Biomass Conversion and Biorefinery*, <https://doi.org/10.1007/s13399-023-03843-4>.
- Rajesh Kumar, Pawan Kumar Rakesh, and Dungali Sreehari, (2023) Investigation on physico-chemical, mechanical and thermal properties of extracted novel *pinus roxburghii* fiber, *Journal of natural fibers*, 2023, Vol. 20, NO. 1, 2157924.
- Mayank Pokhriyal, Pawan Kumar Rakesh, (2022) Mechanical and microstructural behaviour of NaOH treated *Himalayacalamus falconeri* fibers as biodegradable reinforcing material in polymer based composites, *Materials Today: Proceedings*.

3. DIC Team

Photo	Name and Designation	Email Id	Contact No.
	Dr. Sanat Agrawal, Dean (Research & Consultancy), Member	dean.rnc@nituk.ac.in	01346257412



Dr. Pawan Kumar Rakesh, Coordinator

dic@nituk.ac.in

01346257451



Dr. Dungali Sreehari, Member

sreehari@nituk.ac.in

01346257448



Dr. Vikas Kukshal, Member

vikaskukshal@nituk.ac.in

01346257451



Dr. Hitesh Sharma, Member

hiteshsharma@nituk.ac.in

01346257445









Mr. Rajesh Kumar, Research Fellow

rajeshkumaruit1@gmail.com

9696738586

Student Representative (2022-23):

S. No.	Photo	Name	Department	Email Id	Contact No.
1		Mr. Shравan Kumar Maurya	Mechanical Engineering	bt21mec016@nituk.ac.in	9125268348
2		Mr. Saurabh Kumar Jha	Mechanical Engineering	bt21mec008@nituk.ac.in	8092218372
3		Mr. Shashwat Gunjan	Mechanical Engineering	bt21mec031@nituk.ac.in	9389774981
4		Mr. Ashwin Jha	Electrical and Electronic Engineering	bt21eee005@nituk.ac.in	6395340089
5		Mr. Manish Chauhan	Civil Engineering	bt21civ010@nituk.ac.in	6398694377
6		Mr. Shrey Pradhan	Civil Engineering	bt20civ006@nituk.ac.in	7017981948

06.09 UNNAT BHARAT ABHIYAN

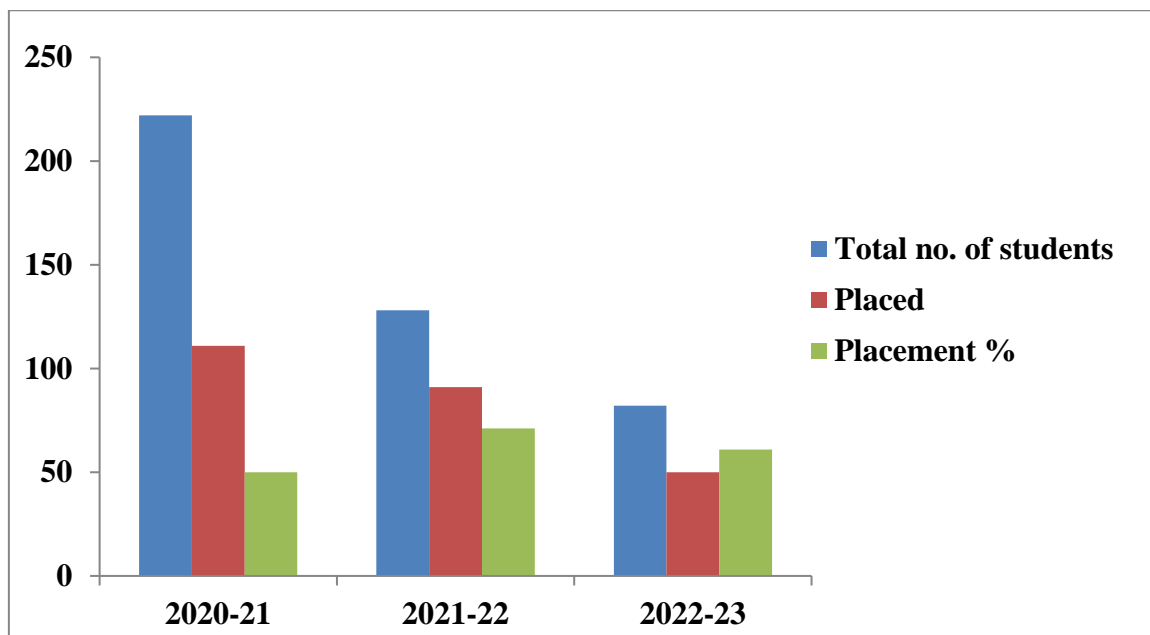
- Attended one day event on “Tech4Seva” organized by Regional coordinating institute IIT Roorkee.
- Distribution of National Flag in almost each and every house of the adopted villages (Dungaripant and Kaliyasaud) under “Har Ghar Trianga Campaign” was done by UBA Cell of NIT Uttarakhand.
- Visited government school of the adopted village Farashu, where presentation regarding “Water Harvesting Methods and its Importance” has been done with the students followed by some quiz completions and prize distribution.
- Visited government school of the adopted village Janshu, where information regarding some of the basic science experiments, hygienes and importance of library along with books has been presented among the students.
- Organization of “Gram Sabha” in the adopted village Kaliyasaud, where Importance and Methods of Rain Water Harvesting has been discussed to the villagers.
- Visit has been made to the adopted village Dungri Panth where “Basic computer applications and use of computer and technology in day to day activities” was discussed with school students.
- First One day expert lecture for the occasion of “Celebration of International Years of Millets 2023” has been organized by UBA Cell where aware about the millets and its benefits in their life for maintaining a good health was discussed by Prof. R K Maikhuri, Head Department of Environmental Science, HNB Garhwal University.
- Recently a survey has been completed in the four different adopted villages by four different groups in order to know the current problems facing by the villagers like agricultural issues, water problems, electricity problems and problems related to solid waste managements (dumping of solid waste).
- A survey has been undertaken in three different villages under Unnat Bharat Abhiyan to the government schools of the adopted villages in order to collect information like faculty of the school want to do some training (computer operation, subjects of their concern), want to visit any laboratory of NIT Uttarakhand, guidance required for counseling of students for B.Tech. or any other courses.

07.00 CAREER COUNSELLING AND PLACEMENT (C2P) CELL

The placement percentage of the B.Tech students in the year 2021-22 was approximately 71 % as compared to 50 % placement in the year 2020-21. So far the placement percentage of the B.Tech students for the academic year 2022-23 is above 75%.

The tabular and graphical representation of the placement percentage of the B. Tech students last three years is as follows:

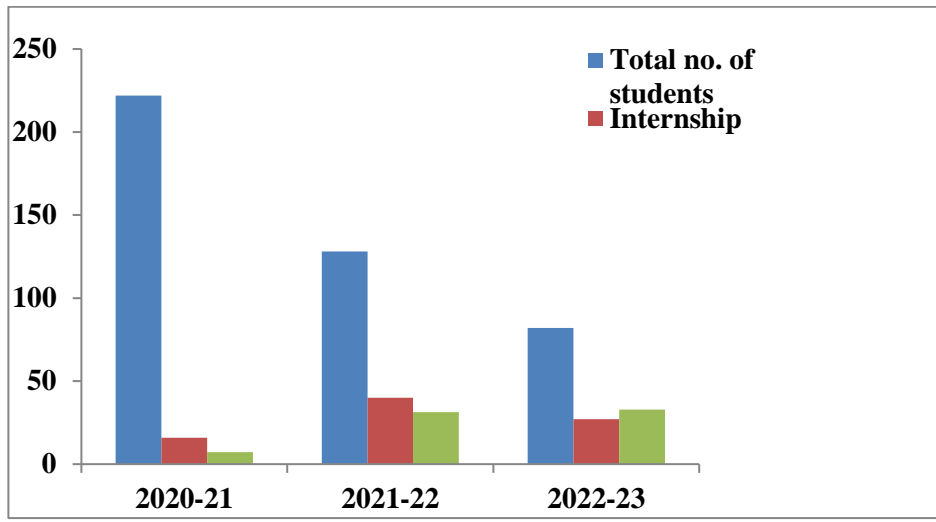
Year	Total no. of students	Placed	Placement %
2020-21	222	111	50.00
2021-22	128	91	71.09
2022-23	80	60	75.00



The internship percentage of the B.Tech students in the year 2021-22 was approximately 31 % as compared to 7 % placement in the year 2020-21. The internship percentage of the B.Tech students for the academic year 2022-23 is approximately 32%.

The internship date for the last three years is as follows:

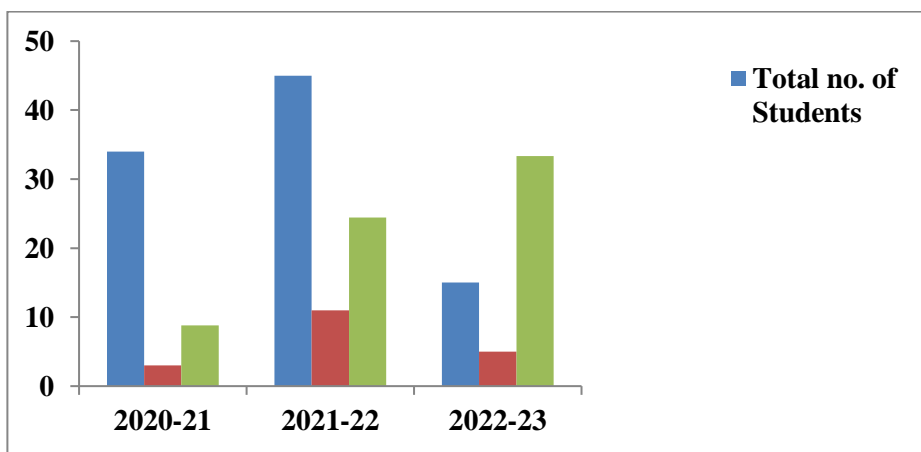
Year	Total No. of students	Internship	Percentage
2020-21	222	16	7.21
2021-22	128	40	31.25
2022-23	81	26	32.1



The placement percentage of the M.Tech students in the year 2021-22 was approximately 25% as compared to approximately 9% placement in the year 2020-21. So far the placement percentage of the M. Tech students for the academic year 2022-23 is approximately 34%.

The tabular and graphical representation of the placement percentage of the M. Tech students last three years is as follows:

Year	Total no. of students	Placed	Placement %
2020-21	34	3	8.82
2021-22	45	11	24.44
2022-23	11	5	45.45



The Events Organized:

S. No.	Duration	Workshop Details
1	20-30 June 2022	Mock interview

2	10-14 August 2022	One week workshop on employability skillsets & Industrial requirements.
3	26-31 August 2022	One week workshop on mock interviews.
4	14-18 September 2022	One week workshop on personality development and career guidance.
5	13-14 January 2023	Two day workshop on Financial Education for young citizens.

07.01 B. Tech. 2022-23 Batch Placement Summary:

S. No	Branch Name	Total No. of Students	Number of Students Eligible for Placement	Total Placed Students	Placement %
1	CIV	16	11	7	63.64
2	CSE	20	19	16	84.21
3	ECE	19	19	15	78.95
4	EEE	19	19	12	63.16
5	MEC	14	12	10	83.33
Total		88	80	60	75.00

M. Tech. 2022-23 Batch Placement summary:

S. No.	Branch	Registered	Number of Students Eligible for Placement	Total Placed Students	PLACED %
1	CSE	3	3	2	66.67
2	CIV	5	5	1	12.50
3	ECE	1	1	1	50.00
4	EEE	2	2	1	50.00
Total		11	11	5	45.45



INTERNSHIP DETAILS:

S. No.	Name	Branch	Company
1	Harsh Singh Chauhan	EEE	Unnicommerce
2	Anupam Panwar	CSE	Grow Simplee
3	Sachin Shah	CSE	Torcai
4	Afzal Ali	MEC	Renisaw
5	Purvi Goyal	CSE	Adobe, Oracle
6	Dudekula Reshma	ECE	Torcai
7	Kunal Aswani	MEC	Torcai
8	Abhinav Bhatnagar	ECE	Samsung R&D
9	Neha Dhyani	CSE	Samsung R&D
10	Anuj Saxena	CSE	Fanatics
11	Apoorv Arora	EEE	Evigway
12	Mr. Siddharth Saxena	EEE	Lucas Indian Services Ltd
13	Ms. Saroj Saini	ECE	INDITECH Technology Services Pvt. Ltd
14	Mr. Sandeep Rana	CSE	Samsung Data Systems
15	Mr. Priyanshu Upadhyay	CSE	Bakai Tech Pvt. Ltd. (subsidiary of Foyer Tech, Inc)
16	Mr. Aryaman Jaiswal	ECE	Billfree Labs Pvt. Ltd.
17	Mr. Akshat Saini	EEE	ITER France
18	Mr. Chirag Nagar	CIV	RCC Developers Ltd.
19	Mr. Sanyam Jain	ECE	Thoughtspot
20	Mr. Prashant Gaurav	MEC	Aakash Byju's
21	Ujjwal	CSE	Optym
22	Deepanshu Taneja	CSE	Thoughtspot
23	Shivam Bindal	CSE	Optym
24	Ojaswi Sharma	CSE	Optym
25	Navita Kukreti	MEC	College Dunia
26	Sagar Prajapati	ECE	Optym

07.02 LIST OF EMINENT STUDENTS

S. No.	Name	Branch (B.Tech)	Company	Package (LPA)
1	Deepanshu Taneja	CSE	C-DOT	19
2	Shivam Bindal	CSE	C-DOT	19
3	Anuj Saxena	CSE	Fanatics	18
4	Ujjwal Kumar	CSE	C-DOT	19
5	Purvi Goyal	CSE	Publicis Sapient	18
6	Anupam Panwar	CSE	Publicis Sapient	18
7	Deepak Garg	CSE	Publicis Sapient	18
8	Ankit Kumar	CSE	Publicis Sapient	18
9	Sanyam Jain	ECE	Thoughtspot	21
10	Sachin Shah	CSE	C-DOT	19
11	Dudekula Reshma	ECE	Torcai	18
12	Kunal Aswani	MEC	Torcai	18
13	Ojaswi Sharma	CSE	Optym	18
14	Sagar Prajapati	ECE	optym	18

OUR RECRUITERS



08.00 HOSTEL SECTION

The National Institute of Technology, Uttarakhand has 09 hostels (07 Boys and 02 Girls) in Srinagar Garhwal (Uttarakhand). Based on the principle of "homes away from home", hostels available on the campus provide all basic facilities to the students. Institute has comfortable residential facilities for 622 students in Campus (rooms available on sharing basis: two/three seater). The details of the hostels along with their capacity are as follows:

The details of the hostels along with their capacity are as follows:

S. No.	Name of Hostel	Type	No. of Rooms	No. of Seats	Strength of the Hostel
1.	NITUK Hostel-Ganga	Girls	17	2 seater	43
			3	3 Seater	
2.	NITUK Hostel-Yamuna	Boys	22	3 seater	66
3.	NITUK Hostel-Mandakini	Boys	23	3 seater	69
4.	NITUK Hostel-Sarswati	Girls	18	2 seater	54
5.	NITUK Hostel-Bhagirathi	Boys	35	3 seater	105
6.	NITUK Hostel-Bhilangana	Boys	14	2 seater	28
7.	NITUK Hostel-Pindar	Boys	19	3 seater	57
8.	NITUK Hostel-Alaknanda	Boys	36	3 Seater	120
			11	1/2 Seater	
9.	NITUK Hostel- Saryu	Boys	36	3 Seater	120
			11	1/2 Seater	
Total			245		622

Vision/Mission:

- To be a superlative in student accommodation services with a holistic living experience.
- To create a safe, healthy and holistic living experience for all.
- To provide "home away from home" principle based accommodation.

HOSTEL FACILITIES:

A year-wise hostel system is preferably followed for allocating the hostel rooms to the students. Hostels are fully Wi-Fi connected with emergency/continuous power supply through DG set and equipped with water purifiers, water coolers, geysers and telephone etc. The security cameras for necessary security check and surveillance installed in each hostel. A centralized mess facility is provided to the students (except first year) residing in the hostels and separate mess facility for first year students is available at NITUK Hostel-5. Hostel rooms are furnished with chairs, tables, bunk beds and lockers. Students get ample opportunities to avail all the indoor and outdoor games facilities such as Carrom Board, Chess, Table Tennis, Volleyball, badminton along with a gymnasium facility for the students to maintain their fitness. A laundry facility is provided to all the residents within the campus. In particular for girls' hostel, washing machine facility is also provided for washing & drying the clothes. For the smooth-functioning of daily routines and proper care, Girls' Hostel has a team of Warden, and Matron. Matron takes good care of health issues of girls residing in the hostel along with the nurse available in the Institute Dispensary for 24 hours. For the personal and professional development programs on topics such as academic stress reduction, inter-personal relations, time management, Study and revision skills, mental health and wellbeing etc. Regarding the health of the students residing in the hostel 24hrs vehicle facility is available without any charge for medical check-up/treatment and also in case of emergency (during late night hours).

HOSTEL STAFF:

All the hostels are administered by a chief Warden along with a team of wardens, Assistant Registrar (Hostel), Superintendent (Hostel), Matron, and senior students as senior residents. The Chief Warden and a team of Wardens are responsible for improving the facilities and environment of the hostels. Their main role is to coordinate the working of all the hostels, maintain the discipline in the hostel and implement all policy matters related to the hostels.

For the personal and professional development of the students, counseling facility is also provided by the experts on the campus. It offers orientation programs on topics such as academic stress reduction, inter-personal relations, time management, study and revision skills, mental health and wellbeing etc.

Regarding the health of the students residing in the hostel 24hrs vehicle facility is available without any charges for medical check-up/treatment and also In case of emergency (during late night hours).

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S. No.	Staff	Designation	Contact	Email
1	Dr. I. M. Nagpure	Chief Warden	+91-9557750896	imnagpure@nituk.ac.in
2	Dr. Kusum Sharma	Warden (Hostel-Ganga)	+91 9557750899	Kusum31sharma@nituk.ac.in
3	Dr. T. Sudhakar	Warden (Hostel-Yamuna)	+91 9410131563	sudhakar@nituk.ac.in
4	Dr. Sarita Yadav	Warden (Hostel- Sarswati)	+91 9410190132	sarita.yadav@nituk.ac.in
5	Dr. M.S.Khatri	Warden (Hostel- Bhagirathi)	+91 9557750893	mskhatri@nituk.ac.in
6	Dr. Dungali Sreehari	Warden (Hostel- Bhilangana)	+91 9557750887	sreehari@nituk.ac.in
7	Dr. D.B. Singh	Warden (Hostel--Pindar)	+91 9450924373	dbsingh@nituk.ac.in
8	Dr. Maroti Deshmukha	Warden (Hostel- Alaknanda)	+91 8500173440	marotideshmukh@nituk.ac.in
9	Dr.T.Sudhakar	Warden (Hostel- Saryu)	+91 9410131563	sudhakar@nituk.ac.in
10	Dr. Vineeta Negi Panwar	Assistant Registrar (Hostel)	+91 9410947822	ar_hostel@nituk.ac.in
11	Mrs. Neha Raturi	I/c Superintendent	+91 8126478859	hostel@nituk.ac.in
12	Mr. Anil Bhatt	I/c Junior Assistant	+91 9760382445	hostel@nituk.ac.in
13	Dr. Deepak Kumar	Mess Coordinator	+91 8791671176	deepak.kumar@nituk.ac.in
14	Dr. Himesh Kumar	Mess Co-coordinator	+91 7895780437	himesh.kumar@nituk.ac.in

GLIMPSE OF HOSTELS OF NIT UTTARAKHAND:

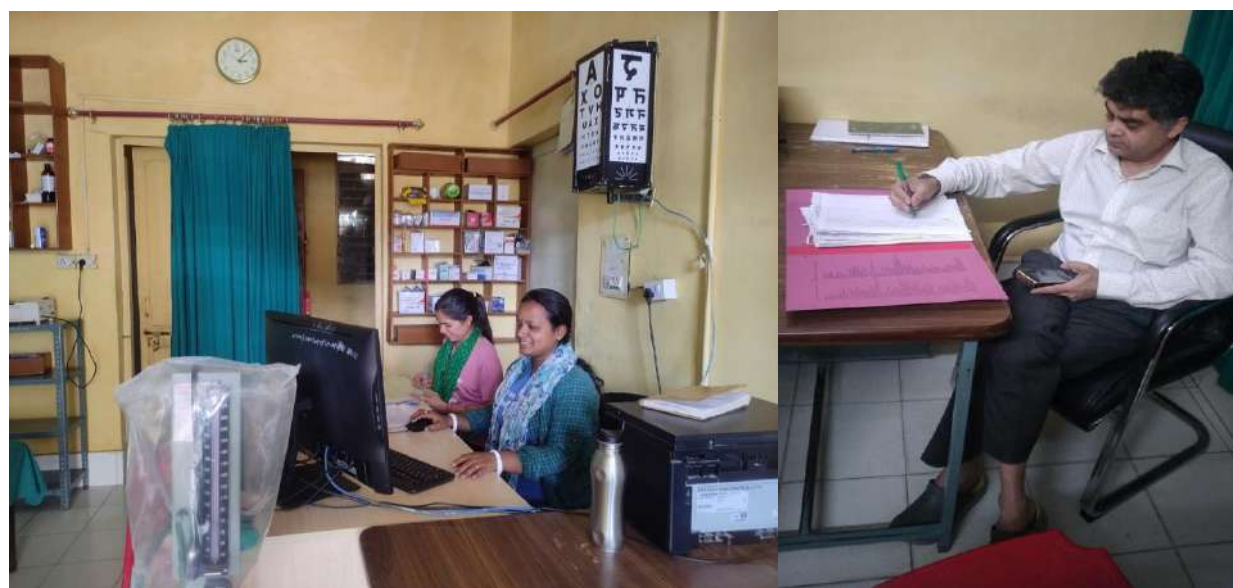






09.00 DISPENSARY SECTION

The dispensary provides complete free basic medical facilities/services for the students and staff members of the institute on 24 x 7 and 7 days. In Dispensary Section, there are four nursing staff is available throughout the day and a visiting doctor from Government hospital (Srikot) offers daily service during evening (7 pm to 8 pm).



- ❖ Under the scheme of COVID Vaccination Amrit Mahotsava commenced from 15 July 2022 to provide free Precaution Dose to all adult (18 years above) eligible population at Government COVID Vaccination Centers (CVCs) being implemented in a Mission Mode. Today, the Camp organised successfully (24/08/2022) and corresponding photos are attached herewith.



- ❖ It has Procured Sphygmomanometer to measure blood pressure.



- ❖ The Institute has facility to avail Ambulance service for 24hrs during emergency/ any health issue and further, the ambulance is used shift patient to higher center such as Rishikesh, Dehradun and Haridwar etc.



❖ Medicines has been procured.



10.00 LIBRARY SECTION

The library has a rich collection of books on Science and Technology, Engineering, Humanities and Social Sciences and also a good collection of Sports, Yoga, English and Hindi Fiction. The library has four stack rooms with subject-wise arrangement of books on the shelves according to the Universal Decimal Classification Scheme. The library has one reading room which remains open 24×7 for the students and the staff members.

Web Mail | Faculty Portfolio | Samarth eGov | Total Visitors: 512 25 April 2023 / 21:23:57 Press Release Directory

राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड
(एक राष्ट्रीय महत्व का संस्थान)
National Institute of Technology, Uttarakhand
(An Institute of National Importance)

75 Azadi Ka Amrit Mahotsav

Recruitment Process of Assistant Professor (Gr-I & Gr-II) has been postp

Home > Library & Information Centre

Home

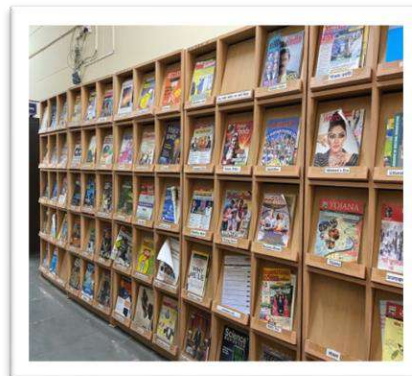
Library & Information Centre

MoE | PMRF | NIT Council | Digital India | National Career Service | Vitiya Saksharta Abhiyan | CEC | MyGov | PMNRF
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Library Webpage

LIBRARY WORKING HOURS:

The library remains open on all days of the year except on holidays of National and Religious importance (i.e. Republic Day, Holi, Independence Day, Gandhi Jayanti, Diwali and Dusshera). The library opens from 08:00 am to 08:00 pm (i.e. Monday to Sunday).



LIBRARY RESOURCES:

TOTAL COLLECTION:

Books	36,346
Standards	514
CDs/DVDs	04
NPTEL Video Lectures	135
Online Databases	06
Online Books	26,457

- **Text Book and Book Bank Collection:**

The text books of the prescribed syllabus and other recommended books are kept in the Text Book Section along with separate Book Bank collection for use and easy access the users.

- **Reference Collection:**

The Library has a collection of General reference books including Encyclopedias, Dictionaries, Directories, Handbooks, Bibliographies, and Atlases etc. and these are available for reference within the library premises and are not for lending.

- **Hindi Collection:**

The Library has built up a good collection of Hindi Literature to increase the use of Rajbhasha. Hindi Books are kept in front area near Reference collection in the Library to promote its usage.

- **Audio-Visual Collection:**

A good collection of Educational videos (i.e. NPTEL video courses) are available for the users on varied subjects and are made accessible via FTP server of the Institute. Also, there is a collection of CDs/DVDs in the library covering various subject areas like academic, entertainment, Information Technology and Competitive exams etc.

- **Electronic Journals Collection:**

The library subscribed various online journals during this year from renowned publishers on the basis of Annual Subscription which can be accessed 24X7 by the Library users.

- **Electronic Books Collection:**

There are around 26,457 titles of E-books procured by the library from various renowned publishers like Elsevier,

Tata McGraw Hill, Wiley, Pearson, ASME Press, IEEE-MIT Press, IEEE-Wiley, Springer and ICE publishing on perpetual basis (i.e. lifetime) which can be accessed 24x7 by the users of the Institute.

- **Computer and Networking Facilities**

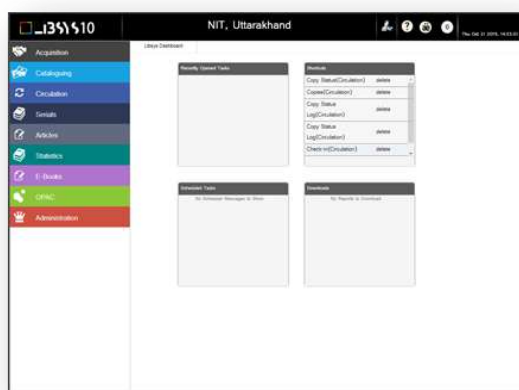
The library is connected to the campus LAN and Wi-Fi facility. The library server works under Windows 10 environment.

Library has LAN connectivity with fibre optic cable (10/100 mbps) through the Computer Department and is connected to Web Server (Duel Xeon) - providing network facility.

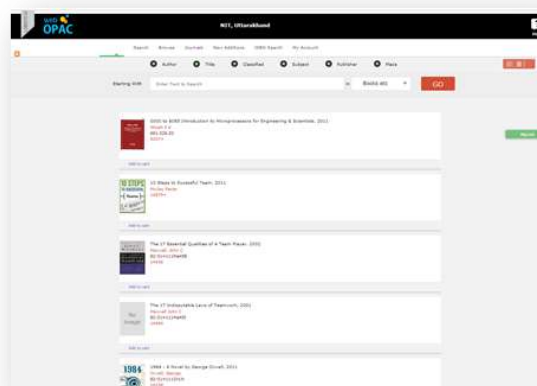


- **In-house Activities:**

The Library uses LIBSYS 10 (Web Centric) software package which is an integrated multi-user library automation management system that supports all in-house activities of the library. All in-house activities of the library like acquisition; cataloguing, circulation, etc. are fully computerized through LIBSYS Software (Library Management Software). The database of the entire library acquisitions is being updated on regular basis along with details of recently acquired books. The details of all the Library patrons are maintained in the software along with their 'Image Database'. The barcoding of all library resources is in final stages. The library has shifted to Web OPAC facility this year under which all the bibliographic details of the library collection can be accessed from Internet 24x7 on all week days by the users.



LIBSYS 10 Web Centric Software



LIBSYS 10 WEBOPAC

LIBRARY SERVICES AND FACILITIES:

- **Book Bank:**

The Library provides Book Bank facility to the B.Tech. and M.Tech. students. Under the Book Bank facility, the set of textbooks are issued to the individual student for entire semester (i.e. for six months).

- **Reader's Assistance:**

The library provides assistance to the users about the location of Books and assists in accessing of e-Journals and e-Books.

NEWSPAPERS AND CATALOGUE:

The library subscribed 05 (4 Hindi and 1 English) newspapers including daily and weekly papers. The Library display Catalogues for the users to help them in selection of books for Book Recommendations.

- **NEWSPAPER CLIPPINGS:**

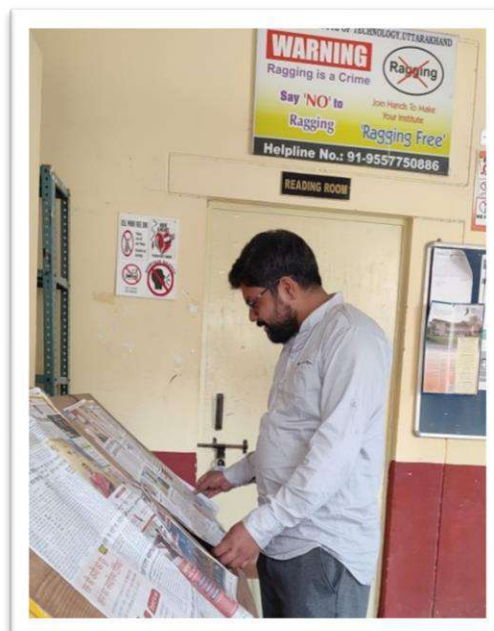
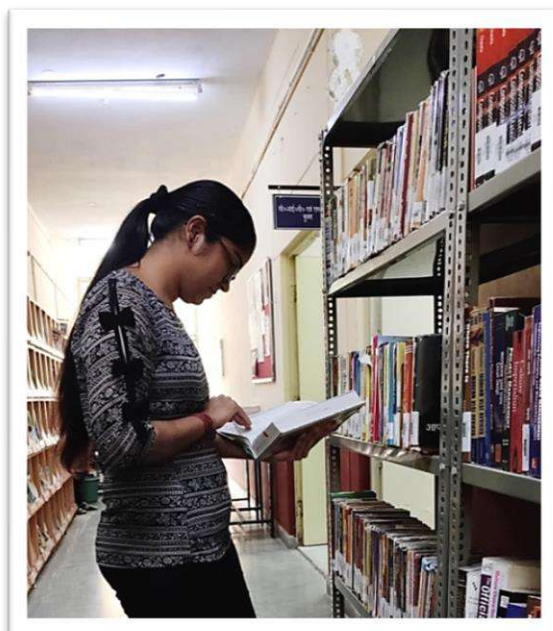
The library maintains and keeps the record of News clips of the news related to the Institute.

- **PLAGIARISM DETECTION SOFTWARE:**

Institute Library provides similarity check software like Urkund that allows you to detect similarity from project work, academic paper, article, dissertation/theses, or any other research or innovation-related work.

- **EMAIL ALERT:**

The Library provides 'Email Alert Service' for the Circulation (Issue/Return) and various other activities of the library. Two Dot matrix printers are installed in the library for printing the Circulation slips to keep the separate issue/return record of the users.



- **ORIENTATION PROGRAMME:**

The library orientation programme is conducted every year at the beginning of the session for the newly admitted students to familiarize them with the facilities and services available in the library for the effective and maximum use of the library resources.

- **MEMBERSHIP:**

The Membership of the Institute's Library is open to all the Students, Faculty members, Research Scholars, Officers and Technical/Non-Technical Supporting Staff of the Institute.

- **LIBRARY ADVISORY COMMITTEE:**

There is library advisory committee which consists of the Chairman, all the HODs and I/c Assistant Librarian as the member Secretary. The library committee meets from time to time to lay down the policies and to review the working conditions for smooth functioning of the library.

11.00 STUDENT WELFARE SECTION

The Student Welfare Section is one of the most active and vibrant Section of the institute. The Dean of Student Welfare handles all the activities and issues related to student life like, hostel management in association with Chief Warden, Council of Student Activities (CSA) and Sports Section.

The Council of Students Activity consists of the following Six Clubs:

S. No	Name of the Club	Faculty Coordinators
1	Cultural and Fine Arts Club	Dr. Nitin Sharma
2	Technical Club	Dr. T. Sudhakar
3	Sports Club	Dr. Kuldeep Singh
4	Literary Club	Dr. Kusum Sharma
5	Film and Photography Club	Dr. Tushar Goel
6	Adventure Activities and Community Services Club	Dr. Kuldeep Singh

Students actively participate in each of these clubs as Executive Members and Associate Members. The students come up with various proposals through the respective coordinators for conducting various events. NIT Uttarakhand offers some of the unique adventure sports such as rafting, hiking mountain cycling, visit to Kedarnath, Badrinath, and Valley of Flowers under the adventure club. The sports section has some of the best facilities available.

Intra NIT Rangoli, Painting and Sketching Competitions:

The Literary Club, National Institute of Technology, Uttarakhand organized the Rangoli, Painting and Sketching competitions under Har Ghar Tiranga Campaign of the government of India within the college premises, on 13th August 2022. 'Har Ghar Tiranga' is a campaign under the aegis of Azadi Ka Amrit Mahotsav to encourage people to bring the Tiranga home and to hoist it to mark the 75th year of India's independence. To mark the 75th year of India's independence, students celebrated "Azadi ka Amrit Mahotsav" by making patriotic paintings and Tricolour-themed rangoli with great pride and enthusiasm.





Debate and Storytelling Competition:

The literary club organized a debate for the students on 20th August. The topic of the debate was "**God exists or not**". 12 students participated in the debate competition and put their views. A storytelling competition was also organized by the literary club on the same day. Students were given the chance to explore their creativity in different genres such as horror, comedy, adventure etc. 6 students participated in this competition and showed their creativity.

Painting and Essay Writing Competition



Literary Club organized a painting competition on 11.09.2022 to give an opportunity to the students to showcase their talents and bring out their creativity. The topic for painting competition was Swachh Bharat Abhiyaan for painting competition and “E-waste management: Challenges and Opportunity” for the essay competition. 20 students have participated and showed their creativity in Painting Competition and in essay writing competition.

Kavi Sammelan/Mushaira:



Intra NIT Slogan and Essay Writing Competition:

In order to observe Vigilance Awareness Week, Slogan and Essay writing competitions were organized with the theme “Corruption Free India for a Developed Nation”.



Intra NIT Debate and Logo Design Competitions:

A debate for the students on the topic "Does Privatization of Public Sectors Serve the Public interest?" and a logo design for ICC were organized by the club to showcase their talent and to enhance their skills.



Intra NIT Poster Making and Speech Competition:

The Literary Club of National Institute of Technology, Uttarakhand along with Internal Complaint Committee (ICC) organized the poster making and speech competitions on March 1st and 2nd, 2023 respectively in order to observe International Women's week 2023 commencing from March 1-8, 2023. The main objective of conducting these competitions to uphold women's achievements, recognize challenges, and focus greater attention on women's rights and gender equality.





Cultural Club

The Cultural and Fine Arts Club of National Institute of Technology, Uttarakhand has organized a Freshers' & Farewell Party "AARAMBH 2022" on May 13, 2022, to welcome the Batch of 2020 and farewell to M.Tech. 2020 batch.



The photography club offers workshops on photography and videography. Literary club motivates students to develop their writing abilities and poetic skills. Students have the opportunity to listen and perform in front of renowned poets and writers. The technical club gives a platform for the students to compete with the best and showcase their technical skills.

Independence Day:

The Cultural and Fine Arts Club of National Institute of Technology, Uttarakhand has organized the cultural programmes with enthusiasm and exuberance on the Independence, August 15, 2022.



Dahi Handi Competition:

The Cultural and Fine Arts Club of National Institute of Technology, Uttarakhand has organized “Dahi Handi Competition” on **Janmashtami**, August 19, 2022.



Ganesh Chaturthi Celebration:

The Cultural and Fine Arts Club of the National Institute of Technology, Uttarakhand celebrated Ganesh Chaturthi at the polytechnic campus from August 30th, 2022 to September 09, 2022.





Gandhi Jayanti-2022, Celebration:

A cultural function for celebrating Gandhi Jayanti was organized by Cultural and Fine Arts Club, National Institute of Technology, Uttarakhand on 2nd October 2022. All the faculty members, staff, students and guests were present for the celebrations.



The Cultural and Fine Arts Club of the National Institute of Technology, Uttarakhand celebrated and organised Garba night at the auditorium of polytechnic campus on 5th October 2022 on the occasion of navaratri.



Utkarsh-2022, Celebration:

The Cultural and Fine Arts Club of the National Institute of Technology, Uttarakhand organised a Freshers' Party "UTKARSH 2022" on 6th November 2022 to welcome the Batch of 2021. The purpose of the Freshers Party was to make every new student feel connected as an integral part of the NITUK family and be ready to take on the challenges of the year ahead and beginning of a new journey with amazing adventures and experiences. Jovial smiles and high spirits marked the welcome party for the new students. The party was organized at the Auditorium by CFAC Club Members. It manifested youth and enthusiasm at its best.





Talent Hunt-2022:



Drama Competition & New Year Celebration:

The Cultural and Fine Arts Club of the National Institute of Technology, Uttarakhand organised a Drama Competition, and celebrated New Year Eve on 31 December 2022 at the Auditorium, NITUK . The purpose of the event was to mark the happiness and joy of the new beginnings by leaving behind the past, starting over and taking on some new challenges in life.



Utkarsh-2023 (Fresher's Night):

The Cultural and Fine Arts Club of the National Institute of Technology, Uttarakhand organized a Freshers' Party "UTKARSH 2023" on 8th January, 2023, at the Auditorium to welcome the Batch of 2022. The purpose of the fresher's party was to make every new student feel connected as an integral part of the NITUK family and be ready to take on the challenges of the year ahead and begin a new journey with amazing adventures and experiences.



Republic Day-2023, Celebration:

A cultural function for celebrating Republic Day was organized by Cultural and Fine Arts Club, National Institute of Technology, Uttarakhand at I.T.I Campus on January 26, 2023. All the faculty members, staff, students and guests were present for the celebrations. The celebration began with the hoisting of the national flag by the Honorable Director Prof. Lalit Kumar Awasthi at 8.30 A.M. Later he addressed the gathering.



Holi Celebration:

Cultural and Fine Arts Club, NIT Uttarakhand, organised the most colorful and vibrant festival Holi with a splash of color at Volleyball court Polytechnic campus, NIT Uttarakhand on March 03, 2023. The celebration began with the welcome of the Chief guest of the event Institute's Director Prof. L.K Awasthi by coloring with Gulaal at 5.00 p.m.





Film & Photography Club:

Creative Competition Mode: 3rd July to 10th July 2022



Photo Walk: 07th Aug. 2022



Photography Workshop: 15th Sept. 2022 to 19th Sept. 2022



Photo Walk: 06th Nov 2022



Photo Walk: 02 Feb 2022:



Orientation Programme: (BTech, 1st Year)



Technical Club:

- Technical Club, NIT Uttarakhand has organized the “Website & Mobile Application Design” from 12th July to 04th August 2022.
- Technical Club, NIT Uttarakhand has organized the “Coding Competition-I” 09th October 2022 for the students of NIT Uttarakhand. The coding competition consisted of 6 questions of 3 levels of difficulties namely easy, medium and hard. The questions were from Basic Mathematics, Data Structures and Algorithms. The competition was conducted on the online platform “Hackerrank” for a duration of 3 hrs, where a total of **76 students** signed up for the competition.
- Technical Club, NIT Uttarakhand has organized the “Coding Competition-II” 20th November 2022 for the students of NIT Uttarakhand. The coding competition consisted of 6 questions of 3 levels of difficulties namely easy, medium and hard.
- Technical Club, NIT Uttarakhand has organized the “Intra NIT Esports Championship” from 23rd -28th November 2022 for the students of NIT Uttarakhand.
- NIT Uttarakhand Student visited IIT Jodhpur IGNUS fest organized by IIT Jodhpur from 14/02/2023 to 21/02/2023.





Induction-cum-Orientation Programme (Nov. 10- Dec.06, 2022)

Student Welfare Section organizes the induction-cum orientation programme for the First Year Students. Through this programme students are guided towards their future. Sri-Sri Ravishankar ji had addressed the students. The purpose of the programme was to perform mind-body connection practices with interactive discussions, experiential processes and thus, it improves the overall performance of youth by enhancing their memory & concentration, interpersonal skills and ability to perform under pressure.



Swachhata Pakhwada: 01st Sept. 2022 to 15th Sept. 2022

In view of the letter received from the Ministry of Education, Department of Higher Education and according to the Swachhata Pakhwada Calender 2022, the Institute celebrated the Swachhata Pakhwada from 1st to 15th September 2022. During this period various activities were proposed as follows:

Date	Day	Activities	Section
01/09/2022	Thursday	Swachhata Shapath Day & Swachhata Abhiyan in ITI Campus (Banner at ITI & Poly Campus)	10:00-10:10 AM, followed by Swachhata Abhiyan; Hon'ble Director and All the Faculty & Staff (P&D Section)
02/09/2022	Friday	Single Use Plastic Free Campaign	Banner in Both Campus & Rally from ITI to Poly Campus (SW Section)
03/09/2022	Saturday	Swachhata Hi Seva (SHS), School Outreach	Community Development, R&C Section
04/09/2022	Sunday	Community Outreach	
05/09/2022	Monday	Swachhata Competition in Hostels	All the Hostels & Nearby Areas (Hostel Section)
06/09/2022	Tuesday	Swachhata Awareness (amongst Student)	Dispensary Section
07/09/2022	Wednesday	Hand Wash & Mask (COVID-19)	
08/09/2022	Thursday	Green Campus Drive (Plantation)	Hon'ble Director, Faculty and Staff Members (SASO)
09/09/2022	Friday	Swachhata Abhiyan in Poly Campus	Hon'ble Director and All the Faculty & Staff (P&D Section)
10/09/2022	Saturday	Ganga Ghat/Srinagar Market Safayi Abhiyan & Nukkad Natak to create awareness	Student Welfare Section
11/09/2022	Sunday	Painting/Essay/Debate/Quiz to encourage Swachhata	
12/09/2022	Monday	Waste Management & Importance & Necessity of General Cleanliness	Expert Lectures (online)
13/09/2022	Tuesday	Personal Hygiene	
14/09/2022	Wednesday	Swachhata Abhiyan in ITI & Poly Campus	Faculty & Staff Members
15/09/2022	Thursday	Prize Distribution Day	

The Photo Glimpse of Swachhata Pakhwada are as follows:





STUDENT ACTIVITY & SPORTS (SAS) SECTION

Along with academic excellence, NIT Uttarakhand promotes extra-curricular activities to ensure all-round development of personality. The Student Activity and Sports Section is the central hub for student activities, student organizations, programming, events, sports, recreation and fun at the institute campus. The SAS section provides good sports facilities, equipment, and recreational and competitive sports programmes to the students and staff members of the institute and encourages them to take part in games & sports to keep themselves fit and inculcate a spirit of sportsmanship amongst themselves & also encouraging student to participate in various sports competitions.

SPORTS FACILITIES (INDOOR AND OUTDOOR)

SAS Section of the institute, co-ordinate all the sports activities in the Institute. In spite of being a new NIT, the Institute has been successful in developing a firm foundation in the field of sports. Students have opportunity to play at any time to have fun.





SAS Section encouraging student participation in inter-collegiate, Inter University, Inter-NIT and other open tournaments in the country. Institute regularly participates in All India Inter-NIT Tournaments and other open tournaments. SAS Section organizing Inter-Collegiate tournaments, Inter branch Intra NIT, Inter NIT, Open tournaments and coaching camps in various sports and games and also organizing tournaments for Teaching and Non-Teaching staff. SAS Section organized various Sports competitions in the year 2022-23, Under the Azadi ka Amrit Mahotsav/Fit India Movement. Details of the same are as follows:

ALL INDIA INTER NIT SPORTS CALENDAR MEETING 2022

All India Inter NIT Sports Calendar Meeting was organized by the National Institute of Technology Uttarakhand during 14th to 15th June 2022 to finalize the Inter NIT Sports Calendar for the session 2022. A total number of 14 delegates from 14 NITs participated in the meeting in person and 14 officials were participated in virtual mode. Following NITs showed their willingness to conduct AIINIT tournament. NIT Silchar, NIT Surathkal, NIT Calicut, NIT Warangal, NIT Durgapur, NIT Hamirpur, NIT Jaipur, NIT Rourkela, NIT Trichy, NIT Kurukshetra, & NIT Agartala. The committee unanimously allotted the venues in such a way that students have minimum academic loss and they get chance to exchange their social culture with North/South/East/West & North-East part of the country apart from showing their sporting talent. The members have finalized 16 games/ Sports and host NITs along with the tournament observers for the All India Inter NIT Sports Tournament 2022-23 with the tentative tournament dates. *To encourage all the staff and faculty members of all NITs towards fitness & sports, members also finalized to conduct the staff and faculty tournament.* The Hon'ble Director of NIT Uttarakhand, Prof. Lalit Kumar Awasthi, has expressed his word of appreciation upon the participation and successful conduct of this meeting at his institute premises. The next All India Inter NIT Sports Calendar Meeting for the session 2023-24 will be organized by the NIT Rourkela during the 2nd week of June, 2023 (tentatively).



International Day of Yoga 2022

On the occasion of International Yoga Day, a five days yoga and meditation workshop was organized from 31st to 4th of June. The program was conducted by two experts from the Art of Living organization- Mr. Varun Upadhayay, who is the Regional Director of Youth Development of the Art of Living Organization, and Ms. Paulomi Mukherjee, who is the Regional Director of Government Programmes of Art of Living Organization. A three day Online Yoga and Meditation session was organized by National Institute of Technology, Uttarakhand from 7th June 2022 to 9th June 2022 on the occasion of celebrating the 8th edition of International Yoga Day. A weekly yoga camp is also organized by the Institute from June 15, 2022 to June 21, 2022 by the experts from Yoga Department of Hemvati Nandan Bahuguna University (Central University) namely Mr. Laxmikant Nagar, Mr. Jairam Kushwaha, Ms. Meenakshi Saraf and Mr. Akash Rawat. In this yoga camp, more than 95 members (60 offline and 35 online) members of NIT Uttarakhand, all the non-teaching staff and their families participated in person or virtual mode.



World Environment Day 2022

The world environment day is celebrated every year on 9th August, 2022 to raise global awareness to take positive environmental action to protect nature and the planet earth. It is a day that reminds everyone on the planet to get involved in environment friendly activities. NIT Uttarakhand organized a plantation drive in ITI campus with the coloration of Rotary club Srinagar. Through such initiatives, we would like to set an example and particularly motivate the people to contribute to the protection of the environment. 45-55 different types of plants like Amarpali Mango, Lemon, Jamun, amla tree and mulberry etc. were planted in the institute campus and playground. Plantation drive was done under the leadership of honorable Director Prof. Lalit Kumar Awasthi, Dean Students Welfare and members of Rotary club Srinagar. The event was conducted successfully with whole hearted participation and awareness for a greener World with the collaboration of Rotary club & Brahmkumari group of Srinagar, Garhwal Uttarakhand.



HAR GHAR TIRANGA CAMPAIGN 2022

‘Har Ghar Tiranga’ is a campaign under the aegis of Azadi Ka Amrit Mahotsav to encourage people to bring the Tiranga home and to hoist it to mark the 75th year of India’s independence. The idea behind the initiative is to invoke the feeling of patriotism in the hearts of the people and to promote awareness about the National Flag. Various Activities like Har Ghar Tringa Yarta, Plantation Drive, and motivation expert lecture on Har Ghar Tringa Campaign successfully organized with the collaboration of SSB Academy Srinagar Uttarakhand, under the Azadi ka Amrit Mahotav from 6th to 15th August 2022.





INTER NIT Staff & Faculty SPORTS Tournament 2022-23

- 11 players of Badminton, Chess and Table Tennis participated in “All India Inter Faculty and Staff Badminton, Chess and Table Tennis Tournament from December 17-19, 2022 at NIT Hamirpur. Total 21 NITs were participated in the same. The Chess team secured 2nd Place in the tournament. Dr. Apurba Madal awarded as an undefeated Chess player of the tournament.
- NIT Uttarakhand Faculty and Staff Cricket team participated in “All India Inter Faculty and Staff Cricket Tournament from 04th December to 07th December 2022 at VNIT Nagpur. Total 20 NITs were participated in the same and NIT Uttarakhand Cricket team secured 2ND Place in the tournament. Dr. Kuldeep Singh SAS Officer awarded best player and best fielder of the Tournament.



INTER NIT SPORTS TOURNAMENT 2022-23

- NIT Uttarakhand 13 players of Badminton, Chess and Table Tennis team participated in “All India Inter NIT Badminton, Chess and Table Tennis Men & Women tournament from 18th Nov. to 20th Nov. 2022 at NIT Silchar.
- Institute Cricket team participated in All India Inter NIT Cricket tournament organized by National Institute of Technology, Surat from 16th Feb. to 19th Feb. 2023.



All India Malviya Sports Tournament 2022-23

NIT Uttarakhand participated in the All India Malviya Sports tournament (MST 2023) from 21-26 March 2023 organized by MNIT Jaipur. Altogether 5 teams were fielded in different sports including T.T (M&W), Badminton (M&W), Chess (M&W), Volleyball & Football. Institute Table Tennis Girls team won the winner trophy, Boys team Table tennis won the runner-up trophy and Mr. Amit won gold medal in powerlifting in All India Malviya Sports tournament. Institute badminton men and chess team (Men and Women also secured 04th place in the tournament.



Bank of Baroda (BoB) Achiever Award 2022-23:

- ❑ Bank of Baroda, Srinagar (Grahwal Branch) has institutionalised Achiever Award for the best performing students.
- ❑ Director, Prof. Lalit Kumar Awasthi and Mrs Neha Shah, Manager (Bank of Baroda, Srinagar) presented the Bank of Baroda Achiever award 2022-23 to Nidhi Joshi (Best Academics) Ritesh Kumar (Best Sports Person) & Rohit Singh Negi (Best All Rounder).



EVENTS ORGANIZED BY SPORTS CLUB

BADMINTON CPACHING CAMP 2022-23:

The Sports club (CSA) under the SW section, successfully organized the Badminton coaching camps for students, staff & faculty members from 14th to 21th August, 2022 under the guidance of Mr. Ganesh Chandra Arya (Badminton Coach). Mr. Ganesh Chandra Arya is working in sports department HNBGU Pauri campus and also provides his badminton coaching services at Dist. Badminton training center at Pauri. The Aim of the coaching camp was to impart skills/techniques based badminton coaching to the players. It was conducted in two slots: morning slot (6:00 am to 7:30 am) and evening slot (6:00 am to 8:00 am). The Camp was started on 14th Morning and ended on 21st August. This coaching camp will be open for all the students, staff and faculty members of the Institute. Total 43 students, staff & Faculty members were participated in this coaching camp.



INTRA NIT BADMINTON, CHESS, TABLE TENNIS TOURNAMENT 2022-23

The Sports Club (Council of student activities) has proposed to organize an Intra NIT Badminton, Chess & T.T. Tournament from 25th to 31th August, 2022, under the head of Sports Club. This tournament was opened for the Students, staff and faculty members of the institute.



INTRA NIT FIVE A SIDE FOOTBALL TOURNAMENT-2022

The Sports club (CSA) under the SW section, successfully organized the Intra NIT Five a Side Football Tournament for students, staff & faculty members from 04th to 16th October, 2022. Basketball ground was the venue for the tournament. Total 8 teams of 8 players form students, staff & faculties were participated with great enthusiasm. Elite predators won the title by 3-9.



INTRA NIT TENNIS CRICKET TOURNAMENT 2022-23

The Sports club, under the SW section, successfully organized the Intra Cricket Tournament under the FIT India Movement for students, staff & faculty members from 28th Jan. to 05th Feb. 2023. Total 20 teams were participated in this tournament. Faculty and staff team won the tournament, Garudas (2ND Year secured 2nd place and PH.D Scholars secured 3rd place.





INTRA NIT VOLLEYBALL TOURNAMENT 2022-23

The Sports club under the SW section successfully organized the Intra NIT Volleyball Tournament for students, staff & faculty members from November 11-13, 2022. Total 10 teams of 12 players from students, staff & faculties were participated with great enthusiasm. Professor Lalit Kumar Awasthi, Director National Institute of Technology Uttarakhand was the chief guests of the Opening ceremony of the tournament. Team Raikuni beats Mashup by 2-1 in final and won the title.



OPEN VOLLEYBALL TOURNAMENT 2022-23

The 3-day open volleyball tournament from January 13-15, 2023, organized by the sports club of NIT Uttarakhand was graced by the presence of the chief guest, Mr. Prikshit Behra (DIG SSB Srinagar) Guest of Honour Prof. Lalit Kumar Awasthi (Director NIT Uttarakhand) and special guest Dean SW and K. Dev Kihor Singh Deputy Commandant SSB.



Total 09 teams from different school and colleges were participated in the same. NIT Uttarakhand emerged as the champions, while SSB finished at the 2nd Position while the HNBGC finished at the 3rd position.

EVENTS ORGANIZED BY ADVENTURE CLUB

Adventurous Sports are the unique of NIT Uttarakhand. Institute Adventure club organises the various adventure activities like River rafting, kayaking, Skiing, Tracking, hiking, camping etc. The main objective of this adventure week is not only to provide a source of 'thrill and joy' to participants, but also provide a valuable opportunity for developing such traits so as to prepare them for facing challenges against all odds confidently and efficiently.

- Adventure club successfully organized the Adventure trip to kedarnath for 52 students of 3rd year from 2nd to 4th September 2022.
- Adventure club successfully organized the Adventure trip to Badrinath and Vashudhara for 90 students of 2nd year from 7th to 8th November 2022.
- Adventure club successfully organized the Adventure trip to Nagmandir for 100 students of 1st year from 8th Decemeber 2022.



SPORTS ACHIEVEMENT 2022-23:

- ❑ Institute Staff and Faculty Cricket team won the runner-up trophy in the All India Inter NIT Staff and Faculty tournament organized by VNIT Nagpur from 04th to 7th Dec. 2022. Dr. Kuldeep Singh awarded best player and best fielder of the tournament.
- ❑ Institute Staff and Faculty Badminton Chess and Table tennis team participated in All India Inter NIT Staff, and Faculty tournament organized by NIT Hamirpur from 17th to 19th Dec. 2022 and Institute Chess team secured 2nd place in Chess Tournament. Dr. Apurba Mandal awarded undefeated player of the tournament.
- ❑ Institute volleyball team won Open Volleyball Tournament organized by NIT Uttarakhand for 13th to 15th Jan. 2022. Mr. Aditya (B Tech 1st Year) awarded best attacker of the tournament.

- ❑ Dr. Kuldeep Singh SAS Officer NIT Uttarakhand performed the duty of an as observer in All India Inter NIT Volleyball, Kabaddi and Yoga Tournament 2023 organized by National Institute of Technology, Surathkal from 20 Jan. 20-22, 2023.
- ❑ Institute Table Tennis Girls team won the winner trophy in the All India Malviya Sports Tournament (MST 2023) from 23-25 March, 2023 organized by MNIT Jaipur.
- ❑ Institute Table Tennis Boys team Table tennis won the runner-up trophy in the All India Malviya Sports Tournament (MST 2023) from 23-25 March, 2023 organized by MNIT Jaipur.
- ❑ Mr. Amit, Powerlifting player won gold medal in the All India Malviya Sports Tournament (MST 2023) from 23-25 March, 2023 organized by MNIT Jaipur.
- ❑ Institute Badminton men and Chess team (M &W) also secured 04 place in the tournament.
- ❑ Mr. Ritesh Kumar Bhanja (BT19ECE019) awarded as a best sports person by Bank of Baroda Srinagar.
- ❑ NIT Uttarakhand students participated in the essay writing competition on the occasion B.R. Ambedkar organized by BJPYM Srinagar on 14th April 2023 at HNBGU Birla Campus. In which Miss. Raj Nandni secured 1st place and Miss Arti Rani secured 2nd place in essay writing competition.

NATIONAL SERVICE SCHEME (NSS)

BLOOD DONATION CAMP

The Blood Donation Camp was organized under the, National Service scheme (NSS) with Collaboration of Rotary Club Srinagar Garhwal on on the occasion of Republic Day on 26^h January, 2023. Total of 102 units of blood were donated by Students, Staff and Faculty member's of the Institute. The volunteers of NSS performed the play on Blood Donation on the occasion of Republic Day on 26^h January, 2023. The purpose of this play was to motivate the students and staffs members of the Institute to donate blood for saving lives and social works.



CLEANLINESS DRIVE:

Volunteers of NSS organized the, Cleanliness drive near upper Bhagtiyana on 27th and 28th March, 2023. The main motive of this drive is to clean the city. These drives are organised to create awareness amongst the people about importance of cleanliness. Cleanliness is not social binding; it is rather responsibility of each and every citizen of the country.



RIVER CLEANLINESS DRIVE:

Volunteers of NSS organized the, River Cleanliness drive Alaknanda River near the Srinagar on 17th to 18th Feb, 2023. "Respect River, River is lifeline". The main purpose of this drive is to create awareness among people about importance of waste management and reduce single use plastic for Pollution free air and water.



PLANTATION DRIVE:

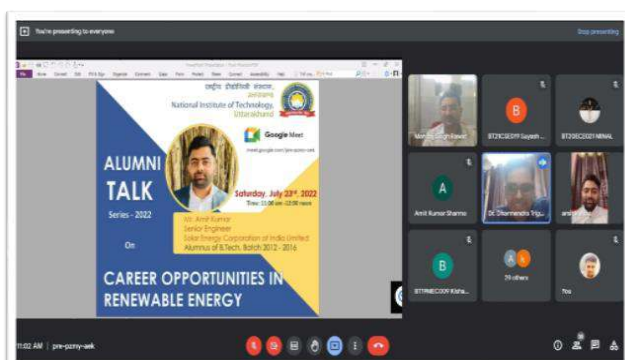
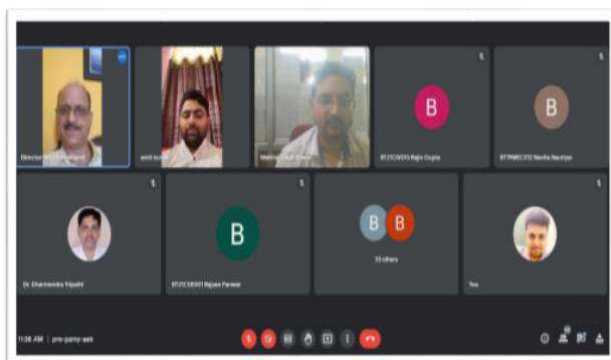
Volunteers of NSS organized Cleanliness and plantation drive at ITI campus on 21st Jan. to 25th Jan. 2023. Total 36 NSS Volunteers have participated in tree plantation on an individual basis. The objective of this tree plantation was to create awareness about "Plant Tree – Save Planet". Tree plantation aims to save the environment, afforestation and make the surrounding clean and green through a major Tree Plantation Activity.



13.00 ALUMNI CELL

Alumni Affairs Section invites the alumni for career guidance and counselling to undergraduate and postgraduate students through Alumni Talk Series. The following alumni talks were conducted for the Academic Session 2022-2023.

S. No.	Alumnus/Alumna	Designation	Organization	Topic	Date of Alumni Talk
1	Mr. Amit Kumar Alumnus of B.Tech.-EEE, Batch (2012-2016)	Senior Engineer	Solar Energy Corporation of India	Career Opportunities in Renewable Energy	23 July 2022
2.	Mr. Abhishek Kumar Alumnus of M.Tech.-ECE, Batch (2016-2018)	Design Engineer	Micron Technology	Career Opportunities in Semiconductor Industry	30 July 2022
3	Mr. Ankit Saini Alumnus of B.Tech.-EEE, Batch (2010-2014)	Technical Lead- Software Development- Portfolio & Commodity Systems	NAV BackOffice	Opportunities & Challenges as Software Developer	5 th August 2022
4	Mr. Neel Kamal Gupta Alumnus of M.Tech.-ME, Batch (2016-2018)	Research Scholar (Ph.D.)	IIT Bombay	Career Path & Opportunities as Researcher	7 th August 2022
5	Mr. Somraj Alumnus of B.Tech.-EEE, Batch (2014-2018)	Sales Officer	Hindustan Petroleum Corporation Limited (HPCL)	Preparation Tips for IES and PSUs	14 th August 2022
6	Mr. Vipin Dubey Alumnus of B.Tech.-Civil, Batch (2014-2018)	IPS	-	Opportunities in Civil Services	14 th January 2023










The Alumni Affairs, Student Welfare Section, NIT Uttarakhand organized 4th Alumni meet on 12th November, 2022 (Saturday) at NIT Uttarakhand premises at Srinagar Garhwal. The event aimed to bring together former students of NIT Uttarakhand from various batches and provide them with an opportunity to reconnect, share their experiences, and contribute to the growth and development of their alma mater. The event commenced with the lamp lighting ceremony conducted by Prof. Lalit Kumar Awasthi, the Hon'ble Director and Chief Guest of the function, along with the Deans and other dignitaries. Prof. L. K. Awasthi expressed his gratitude towards the alumni for their continuous support and involvement in the growth and development of NIT Uttarakhand. He highlighted the importance of alumni in the institute's progress and stressed the need for their active participation in various initiatives, mentorship programs, and collaborations with current students. Prof. Awasthi concluded his address by reiterating the institute's commitment to providing quality education and nurturing future leaders. He expressed his hope that the 4th Alumni Meet would strengthen the bond between the alumni and the institute, leading to fruitful associations and inspiring success stories. During the event, Mr. Somraj, alumnus of B.Tech. Electrical & Electronics Engineering, batch 2014-2018 was honored with the prestigious Young Distinguished Alumni Award 2022. The award was presented to him in recognition of his outstanding achievements and contributions in his respective field. Mr. Somraj's remarkable accomplishments since graduating from NIT Uttarakhand exemplify the institute's commitment to nurturing talented individuals who make a significant impact in their professional endeavors.







The following alumni of NIT Uttarakhand attained a remarkable achievement in the UPSC 2022 examination.

S. No.	Alumni/Alumna	Department	Batch	UPSC 2022 AIR
1	Dev Vrat Joshi 	Civil Engineering	2018-2022	125
2	Maniya Verma 	Electrical and Electronics Engineering	2016-2020	258
3	Meenakshi Arya 	Computer Science and Engineering	2013-2017	444
4	Vipin Dubey 	Civil Engineering	2014-2018	708
5	Aditya Dohar 	Mechanical Engineering	2016-2020	834

The following alumni of NIT Uttarakhand attained a remarkable achievement in the Engineering Services Examination (ESE) 2022.

S. No.	Alumni		Department	Batch	ESE 2022 AIR & Specialization
1	Kunal Saurav		Electrical & Electronics Engg.	2013-2017	2 (Electrical)
2	Shashank Singh		Civil Engineering	2015-2019	130 (Civil)

Mr. Ramvilas Patel, Deputy -Manager (TECH), National Highway Authority of India, JABALPUR Alumnus of B.Tech. (Civil Engineering) Batch 2013-2017, got Award for outstanding performance in REWA-SIDHI Tunnel Project by Hon'ble Minister Road Transport and Highways, Sh. Nitin Gadkari ji & MP CM Sh. Shivraj Singh Chouhan ji.



EXECUTIVE MEMBERS

The Alumni Affairs have conducted the election among alumni of the institute for selection of the elected members of Executive Committee of NIT Uttarakhand Alumni Association. The list of elected members of the Executive Committee is as follows;

 Neel Kamal Gupta President M.Tech. MEC 2016-2018	 Honey Chauhan Vice-President B.Tech. MEC 2017-2021	 Ananta Kant Rai Secretary B.Tech. ECE 2015-2019	 Abhishek Kumar Executive Member B.Tech. CIV 2014-2018
 Dayitva Gupta Executive Member B.Tech. EEE 2017-2021	 Huzafa Usmaan Executive Member B.Tech., ECE.2013-2017	 Prakhar Mittal Executive Member B.Tech. CSE 2016-2020	 Shubham Prasad Executive Member M.Tech. MEC 2019-2021

➤ The list of B.Tech. Alumni of the institute selected for higher studies in prestigious universities of India and abroad.

S. No.	Department	Pass out Batch	Name	Program	Institute	Year of Admission
1	Electrical Engineering	2022	Siddharth Thakur	Ph.D.	IIT Kanpur	2022
2		2022	Ayush Dixit	Ph.D.	IIT Delhi	2022
3		2022	Sujata Roy	MBA	IIT Guwahati	2022
4		2021	Piyush Kumar	M.Tech.	IIT Kanpur	2022
5		2021	Arpit Kumar	M.Tech.	IIT JAMMU	2022
6	Mechanical Engineering	2022	Sumit Gusain	Ph.D.	IIT Kanpur	2022
7		2020	Kuber Suryavanshi	MBA	National Institute of Industrial Engineering (NITIE), Mumbai	2022
8		2021	Ambati Gowtham	M.Tech.	Indian Institute of Technology Hyderabad	2022
9		2021	Suneet Mungali	M.Tech	IIT Kanpur	2022
10	Civil Engineering	2020	Raaz Kumar	M.Tech	IIT Guwahati	2022
11		2021	Anvi Agarwal	Ph.D.	IIT Roorkee	2022
12		2017	Vishal	Ph.D.	IIT Ropar	2022
13	Electronics Engineering	2021	Harsh Puri	MBA	IIM Calcutta	2022
14	Computer Science and Engineering	2019	Vikrant Kumar	MBA	International University Of Applied Sciences Berlin, Germany	2022

The list of M. Tech. Alumni of the institute selected for higher studies in prestigious universities of India and abroad.

S. No.	Department	Pass out Batch	Name	Program	Institute	Year of Admission
1	Electrical Engineering	2022	Jayant Kumar	Ph.D.	IIT Roorkee	2022
2		2022	Subhadip Sadhukhan	Ph.D.	IIT Delhi	2022
3		2022	Rituvic Pandey	Ph.D.	IIT Jodhpur	2022
4		2019	Shipra Tiwari	Ph.D.	Michigan Technological University, US	2022
5	Mechanical Engineering	2022	Gokul Krishnan M U	Ph.D.	IIT Palakkad	2022
6		2022	Garima Raghav	Ph.D.	DTU	2022
7		2018	Viveksheel Yadav	Ph.D.	NIT Uttarakhand	2022
8		2020	Nishu Giri	Ph.D.	NIT Uttarakhand	2022
9		2020	Sudhir Chowdhary	Ph.D.	IIT Mandi	2022
10	Civil Engineering	2018	Deepika Yadav	Ph.D.	NIT Uttarakhand	2022
11		2022	Prabhanjan Prasoon	Ph.D.	IIT Jodhpur	2022
12		2018	Aniket Chanda	PostDoc Research	University of Limerick	2022

14.00 FACULTY WELFARE SECTION

1. Interaction Session by Prof. H. M. Gupta (Emeritus Professor, IIT Delhi)

Faculty Welfare Section, NIT Uttarakhand invited Prof. (Dr.) H. M. Gupta, IIT Delhi for institute interaction and communication for the duration of **May 23-26, 2022**. Prof. Gupta is an Emeritus Professor in the Department of Electrical Engineering, IIT Delhi, and the President of the Institution of Communication Engineers and Information Technologists (ICEIT). He delivered expert lecture on advanced topics, shared his views on academics and research activities and interacted with the faculty members to provide guidance in specific fields. He also gave his suggestions to create intense gravity to attract research projects, improve PhD outcomes and overall quality generation.



2. Faculty Development Programme (FDP) on “Capacity Building for Productivity Enhancement”

Faculty Welfare Section, NIT Uttarakhand, has organized Five days Faculty Development Programme (FDP) on “Capacity Building for Productivity Enhancement” during **May 31- June 04, 2022**. The program was conducted by two experts from the Art of Living organization- Mr. Varun Upadhayay, who is the Regional Director of Youth Development of the Art of Living Organization, and Ms. Paulomi Mukherjee, who is the Regional Director of Government Programmes of Art of Living Organization. Mr. Varun Upadhayay also addressed the audience and said that educationalists act as a catalyst to enhance the overall personality of the younger generation. Igniting young minds and channelizing their energy in the right direction can lead to big-level transformation in society. Ms. Poulomi Mukherjee encouraged faculty members to meditate regularly and emphasized the need for breath control in dealing with stress in daily life.



3. Faculty Development Programme (FDP) on “National Education Policy (NEP) 2020- Challenges in Implementation in HEIs”

Faculty Welfare Section, NIT Uttarakhand, organized a Faculty Development Programme (FDP) on “National Education Policy (NEP) 2020- Challenges in Implementation in HEIs” on **10th June 2022**. The eminent speakers of the programme were: Shri Atul Kothari (National Secretary, Shiksha Sanskriti Utthan Niyas, New Delhi), Prof. Chandra Shekhar (Emeritus Professor, Centre for Sensors, Instrumentation and Cyber-Physical System Engineering, IIT Delhi), Dr. Sushendra Kumar Misra (Registrar, IK Gujral Punjab Technical University, Jalandhar) and Prof. Lalit Kumar Awasthi (Hon’ble Director, NIT Uttarakhand).



4. ATAL FDP on "Productivity Enhancement (Through Yoga and Meditation)"

Faculty Welfare Section, NIT Uttarakhand organized “Two weeks (one week online from **7th Nov.-12th Nov.** and one week offline **14th Nov. to 18th Nov. 2022**) ATAL FDP on "Productivity Enhancement (Through Yoga and Meditation)" The Three eminent experts came from the Art of Living organization-Mr. Varun Upadhayay, Ms. Paulomi Mukherjee, and Shri Prabha Saran. Mr. Varun Upadhayay also addressed the audience and said that educationalists act as a catalyst to enhance the overall personality of the younger generation. Ms. Poulomi Mukherjee encouraged all the participants to meditate regularly and emphasized the need for breath control in dealing with stress in daily life. Shri. Prabha Sharan addressed the Igniting young minds and channelizing their energy in the right direction which can lead to big-level transformation in society.



5. Expert Lecture and Orientation Session on Effective Teaching, Learning and Innovation for Faculty Members, Staff and Students

Faculty Welfare Section, NIT Uttarakhand organized “Expert Lecture and Orientation Session on Effective Teaching, Learning and Innovation for Faculty Members, Staff and Students” from **13-15 December, 2022**. The eminent speakers of the programme were: Prof. I.K. Bhat Vice Chancellor, Manav Rachna University, and Prof. Geeta R Thakur, Department of Education and Humanities, Manav Rachna University. Various topics covered in this programme were: Diagnostic Assessment, Role of a Teacher, Active Learning and Communication, Student Centric Learning, Stress Management, Cooperative Learning, Blooms taxonomy for specific programmes, Accreditation, NBA Process, Curriculum Planning and Development, Project Based Learning, Developing Rubrics for PBL, Writing Learning Objectives.



15.00 CENTRAL COMPUTER CENTRE (CCC)

Central Computer Centre (CCC) is a central facility, which caters to the needs of different academic departments and various sections of the institute. The mission of CCC at NIT Uttarakhand is to create and maintain a computing environment for the pursuit of academic excellence. The ultimate aim of the center is to provide professional services, promote and assist the use of new computing technology among the students, staff and administration. Central Computer Centre at NIT Uttarakhand aspires to be a leading computational facility in higher education. Computer Centre manages various computing and communication facilities throughout the campus. NIT Uttarakhand has state-of-the-art campus wide network over the fiber backbone, wi-fi and videoconferencing. To facilitate the use of the latest information technology in Institute, CCC caters to the needs of different academic departments and various sections of the institute. Center has servers from IBM, Dell etc.

The Institute Computer Centre has the following Central computing facilities for the Students, Faculties and Staff.

S. No.	Items	Details
1.	Internet Connectivity	Whole Campus, Departments and Hostels are covered with Internet onnectivity of Leased Line of 1 Gbps terminated at Cisco ME3800X Series router from NKN and provided by BSNL.
2.	Wi-Fi Campus	The whole NITUK Campus is connected via Wi-Fi. The Wi-Fi is available 24*7*365.
3.	Servers	The Institute has two high Capacity Servers and one Network Storage Device installed in the Central Computing Centre; Server 1: 4-Dell Blade Servers and Server 2: 4-IBM Blade Servers
4.	Network Storage Device	Dell Power Vault NX3200 (6TB)
5.	Network security	Cyberoam Unified Thread Management appliance (1500 ing XP) for Internet and network security management.
6.	Antivirus Client Server Version	eScan Total Security for Business.
7.	Email Web Server	Institute Web mail server of nituk.ac.in domain at Google suite Cloud.
8.	Online Ups	20 KVA Installed at Institute Server Room for power backup of network and server devices.
9.	CCTV Surveillance	The entire campus are covered with latest Cameras for CCTV monitoring

CENTRAL COMPUTER CENTRE TEAM

S. No	Name	Portfolio
1.	Dr. Surendra Singh	Head, Central Computer Centre
		Coordinator, (Video Conferencing, e-Classrooms and (E-Governance)
2.	Dr. Parveen Kumar	Coordinator, (Central Computer Centre)
		Coordinator (Campus Networking, Telephone, CCTV)
3.	Dr. Abhimanyu Kumar	Coordinator (ERP)
4.	Mr. Sunny Kumar	Technical Officer
5.	Mr. Vineet Kumar	Programmer

16.00 INTERNAL COMPLIANTS COMMITTEE (ICC)

The Internal Complaints Committee (ICC) is a grievance redressal forum to address the grievances of the Sexual Harassment of women at the Workplace. The Government of India notified the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act in 2013. Consistent with the Vishaka judgment, the Act aspires to ensure women's right to workplace equality and free from sexual harassment. The objectives of ICC are as follows:

- To create a welcoming working environment at NIT Uttarakhand, free of gender discrimination and sexual harassment for female staff and students.
- To increase awareness and sensitivity to this critical issue amongst all concerned.

S.No.	Name/Designation	Position in the Committee
1.	Dr. Jagarti Sahariya, Assistant Professor (Grade-1), Department of Physics	Presiding Officer
2.	Dr. Sarika Pal, Assistant Professor (Grade-1), Department of Electronics Engineering	Member
3.	Dr. Sarita Yadav, Trainee Teacher, Department of Electronics Engineering	Member
4.	Mrs. Beena Rawat, Senior Assistant, Store Section	Member
5.	Dr. Pankaj Kandwal, Assistant Professor (Grade-1), Department of Chemistry	Member
6.	Mr. Mohd. Arshad Saify, Technical Assistant (Mech. Engg.)	Member
7.	Mrs. Vijay Laxmi Raturi (Advocate)	External Member

Discrimination Against Women Pakhwada

The Institute observed the Discrimination Against Women Pakhwada from 25th November to 10th December 2022. During this period, various activities were proposed as follows:

1. Expert lecture series for the sensitization of the employees and students to make them aware about the provisions of the Act.
2. Observance of the 25th November as the International Day for the Elimination of Violence against Women. And 10th December 2022 as International Human Rights Day
3. Observance of Discrimination Against Women Pakhwada from 25th November to 10th December, 2022.
4. Internal Complaints Committee to conduct special drive to review the pending cases and take appropriate action before 9th December 2022.

During this Pakhwada, NIT Uttarakhand has also organized competitions for the employees and students of Institute to make them aware about the Act 2013.

The Discrimination Against Women Pakhwada was observed in the NIT Uttarakhand during 25th November 2022 to 10th December 2022. The Pakhwada was commenced by observing the International Day for the Elimination of Violence against women on 25th November 2022. On this occasion, Prof. Lalit K Awasthi, Director, NIT Uttarakhand, Dr. Hariharan Muthusawmy, I/c Registrar, NIT Uttarakhand, Deans, Faculty members and staff members were present.

During the session, to sensitized the employees of the Institute about the Sexual Harassment of Women at Workplace (Prevention, Prohibition and redressal) Act, 2013, an expert lecture was organized. A few glimpse of the event are provided below:



As per the motive of the Govt. of India, to spread the awareness about the Vishakha Act and to make students and employees aware about the discrimination against women, the institute has organized the poster making competition for students and employees on 26th November 2022. In this competition 15 students/employees have participated and shared their views on “Discrimination against women” through their creativity and art.

On 27th November 2022, Slogan writing competition was organized for the faculty, staff and students of NIT Uttarakhand. In total 12 participants have written the slogan.



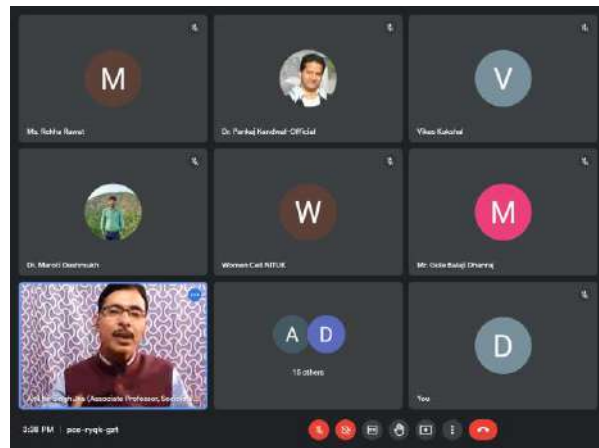
On this occasion Dr. Jagrati Sahariya, Chairperson, Internal Complaint Committee (ICC), Dr. Pankaj Kandwal and Dr. Sarika Pal, ICC members were present. Few glimpse of the event are as follows:

Gender Sensitization Session for Students of Institute:

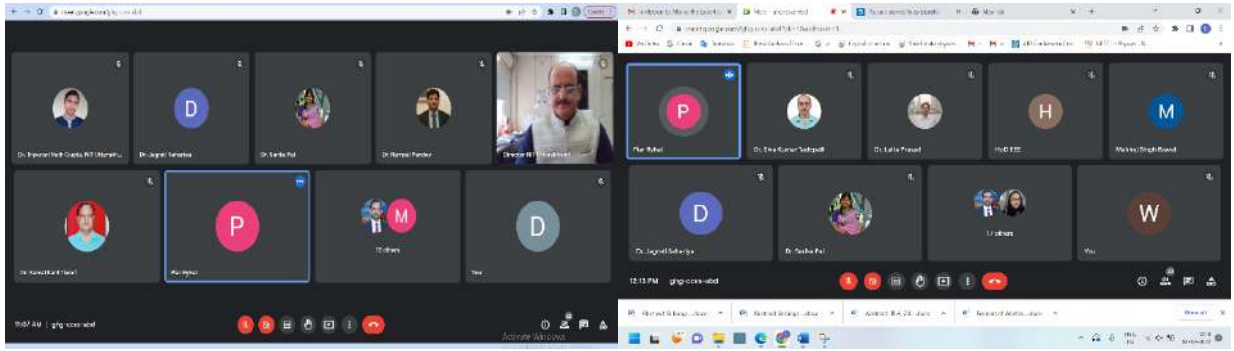
During this pakhwada, Internal Complaint Committee has organized the gender sensitization sessions for the boys and girls students of the Institute, separately on December 4 and 5th 2022. During these sessions students were also informed about the guidelines of Act 2013. Few glimpses of the sessions are as follows:



Expert Lecture Series:



Second lecture during this Pakhwada was organized an expert lecture on December 8, 2022 at 11:00 AM through virtual mode for the faculty, staff and students of the Institute. The speaker for the lecture was Prof. P.C Rhyal, Retired Professor NIT Hamirpur. He has delivered a lecture on "Discrimination against women: How does it effect today's women". Various causes of discrimination of women in the society were discussed in his talk with statistics across various Indian states and India's standing Internationally in the matter. Some glimpse of his lecture are as follows;



3) On the last day of the Discrimination against women Pakhwada i.e. December 10, 2022, the International Human Rights Day was observed. On this occasion, Ms. Vijay Laxmi Raturi, Advocate, Judicial Magistrate, Srinagar has delivered an expert lecture on the Human rights and the laws for Women. On this occasion, Prof. Lalit Kumar Awasthi, Director, NIT Uttarakhand emphasizes on the equality of gender in the society. Prof. Lalit Kumar Awasthi, NIT Uttarakhand distributed the prize to the winners of the Poster & Slogan Competition.



WOMEN'S DAY CELEBRATION

The International Women's day is celebrated every year with a specific theme to uphold *women's* achievements, recognize challenges, and focus greater attention on *women's* rights and gender equality. This year the theme of International Women's day is **DigitALL: Innovation and technology for gender equality**. This year the celebration of International Women's day was commenced from March 1, 2023 and culminated on March 8, 2023.

During this period, poster making, slogan writing competitions were organized for students and staff of the institute based on the theme of Women's day 2023. Prof Lalit Kumar Awasthi, Director NIT Uttarakhand, was the Chief Guest of the Event. Dr. Dharmendra Tripathi I/c Registrar and Dr. Sanat Agarwal (Dean R&C, NIT Uttarakhand) Uttarakhand grace the occasion with their presence. The program was started with the greeting of Dr. Jagrati Sahariya, Chairperson ICC. The chief Guest Director, NIT Uttarakhand, enlightens the audience with valuable words. The celebration ended with the prize distribution followed by the cake cutting ceremony. Some glimpses of the Women's Day celebration are shown below:





17.00 VIGILANCE AWARENESS WEEK-2022

Vigilance Awareness Week - 2022 was observed from 31st October to 06th November 2022 in compliance to the Central Vigilance Commission Circular no. 20/09/22 vide letter no. 022/VGL/029 dated 08/09/2022. The theme for the year was “Corruption Free India for a Developed Nation- भ्रष्टाचार मुक्त भारत विकसित भारत -”. The program was organized by the office of CVO of the Institute. The event induced consciousness amongst the staff, faculty as well as the students of the Institute, regarding the spirit of fair and honest conduct at the workplace and in the community. They were encouraged to lead a life of rectitude and morality. The convention of such events leads towards achieving the image of the nation who is free from corruption and other social anomalies.

Several activities were performed during the Vigilance Awareness Week to spread awareness among all. The students, staff, faculty and their families were informed regarding the observance of the week with reference to the notice ref. no. NITUK/CVO/22/40 dated 26 Oct 2022 by email and displaying at several locations within the campus stating the theme of the week and the activities to be performed. Banners with the theme of the week were also displayed at prime locations of the premises. The students, teachers and staff motivated to participate in different activities conducted during the week. An enthusiastic response was seen from the participants. The observance of the week commenced with the Integrity Pledge at 11.00 AM on Monday, October 31st, 2022. Prof Lalit Kumar Awasthi, the Director of the Institute lead the swearing in of Integrity Pledge. In total, more than 80 faculty members including Deans, Heads, Administrative officers and staff members of the Institute took Integrity Pledge. The faculty members and staff of the Institute were also motivated to take E-pledge.

The observance began with the Slogan Writing Competition organized in the evening of 31 October 2022 on the theme of the week “Corruption Free India for a Developed Nation”. A total of 14 persons participated in the event. An essay competition was organized in the evening of November 1, 2022 on the topic related to the theme of the week. There were sixteen participants, in total, including the students, faculty and staff members. On 3 November, 2022, poster making and speech competition was conducted in which total eighteen participants took part. Students and staff members took part in the event very enthusiastically. The participants were distributed refreshment after each activity. The event proved to be a great success in spreading the awareness regarding the importance of honest and corruption-free conduct amongst the students, faculty, staff and their family members. The activities organized during the week helped participants know the need of having a corruption free nation. An active participation was cherished from not only the students, faculty members and the staff but also from their family members.



Banners Displayed at Different Locations



Essay Writing Competition



Essay Writing Competition

Speech Competition

Slogan Competition



Glimpses of Poster Making Competition

18.00 PLANNING AND DEVELOPMENT (P&D) SECTION

The Planning and Development section formulates short and long term plans, policies, procedures to operationalize various programmes and activities of the Institute. The section involves Dean (Planning and Development) – Dr. Gurinder Singh Brar and two Associate Deans (Dr. Aditya Kumar Anupam and Dr. Vikas Pratap Singh) looking after various activities along with various Coordinators and supporting staff. The technical staff includes – Mr. Sumit Kumar, JE (Electrical) and Mr. Paras Sah, I/C JE (Civil). The activities of the section include: Overall monitoring and fulfilment of the P&D Activities, strategic management, water and waste management, construction, electrical and civil maintenance, asset management etc.

The section is actively involved in creating infrastructure at Extension Campus (Srinagar, Pauri Garhwal) and Permanent Campus (Sumari, Pauri Garhwal).

SRINAGAR CAMPUS (Phase - I):

The Srinagar campus of NIT, Uttarakhand is being constructed at Resham farm and ITI land. The work has been divided into two phases with approximate total cost of Rs. 7881 Lakhs. Construction work of phase-I of extension campus NITUK has been assigned to CPWD for amounting Rs 37.72 crores. The Phase – I of construction for which work order has been placed consists of six blocks (five hostel blocks and one dinning block) and site development to accommodate 530 students at a cost of Rs. 3772 Lakhs. Construction of 5 Hostel block & 1 Mess Block has started in Phase - I. A total of 7500 sqm area is being developed in Phase – I. Total project cost also includes development of site. Site development is limited to the extent required for various functional requirements of newly constructed Hostels, including Pathway and Boundary wall. Till March, 2023, CPWD had handed over Two Hostel Blocks with accommodation of 238 Students and Dinning Block. 78% of the work has been completed.



Construction Activities of Phase – I

SRINAGAR CAMPUS (Phase - II):

Subsequent to the completion of tendering for work construction phase-II by CPWD, communication was made with HEFA for disbursement of the first installment amounting Rs. 10,98,00,000/- i.e. 33-1/3% of Rs. 32,94,29,959/- (quoted by L1 vendor) against the construction of work phase-II of NIT Uttarakhand – Srinagar campus.

An amount of Rs. 10,98,00,000/- has been transferred to CPWD by HEFA on 29.03.2023. Subsequent to above, Administrative Approval and Expenditure Sanction (A/A & E/S) amounting to Rs. 32,94,29,959/- for the work

of the Construction of Phase-II has been granted to Central Public Works Department (CPWD) vide letter no. NITUK/P&D/2023/2466, dated 30-03-2023. The project will be completed by 31st July, 2024. The phase –II of campus has been planned to construct some administrative buildings, laboratories etc.

S. No	Name of the Building	Total Area (in sqm)
1	Class Room & Laboratories	4100
2	Academic Amenity Complex	1000
3	Recreation Facility	2000
4	Administrative Block	500
	Grand Total	7600

SUMARI CAMPUS:

The Sumari campus of NIT, Uttarakhand is being constructed at Sumari village. The first phase of the campus has been planned to accommodate 1260 students on a land of 60 acres with approximate total construction cost of Rs. 59675 Lakhs. Tendering process for engagement of PMC for work has been completed and MoU signing between NIT Uttarakhand and NBCC (India) Ltd.

The tendering was carried out by PMC i.e. NBCC (India) Ltd. but after tendering the total cost was approximately 10200 Lakhs above the sanctioned amount. As per the directions of the BoG, NIT, Uttarakhand PMC is going for re-tendering of the work with modified NIT. Construction of water tank having capacity of 800Kl is being carried out by Uttarakhand Jal Nigam.

19.0 INSTITUTE RECOGNITION

19.01 NATIONAL INSTITUTE RANKING FRAMEWORK (NIRF)





19.02 ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS (ARIIA)



20.00 ANNUAL ACCOUNT 2021-22

राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड
(एक राष्ट्रीय महत्व का संस्थान)
National Institute of Technology, Uttarakhand
(An Institute of National Importance)

G20 INDIA
भारत 2023

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आजादी का
अमृत महोत्सव

वार्षिक लेखा 2022-23

ANNUAL ACCOUNT 2022-23



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

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NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
BALANCE SHEET OF INSTITUTE AND R&D FUNDS AS AT 31st MARCH, 2023

(Amount in Rupees)

SOURCES OF FUNDS	Schedule	Current Year	Previous year
CORPUS / CAPITAL FUND	1	1,27,89,26,601.00	1,01,25,56,705.00
DESIGNATED / EARMARKED / ENDOWMENT FUNDS	2	6,44,49,423.00	5,54,04,904.00
R&D AND PROJECTS	2A	1,42,72,514.00	1,48,90,660.00
CURRENT LIABILITIES & PROVISIONS	3	58,84,01,634.00	44,66,26,756.00
TOTAL		1,94,60,50,172.00	1,52,94,79,025.00
APPLICATION OF FUNDS			
FIXED ASSETS			
<i>Tangible Assets</i>	4	25,33,62,196.00	20,35,92,367.00
<i>Intangible Assets</i>		67,51,046.00	86,46,555.00
<i>Capital Work-In-Progress</i>		29,21,81,173.00	3,45,58,977.00
INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS			
<i>Long Term</i>	5	-	-
<i>Short Term</i>		89,21,34,466.00	89,00,00,000.00
INVESTMENTS - OTHERS			
	6	-	-
CURRENT ASSETS			
	7	37,47,45,790.00	23,10,65,327.00
R&D AND PROJECTS	4D & 7A	1,42,72,514.00	1,48,90,660.00
LOANS, ADVANCES & DEPOSITS	8	11,26,02,987.00	14,67,25,139.00
TOTAL		1,94,60,50,172.00	1,52,94,79,025.00

SIGNIFICANT ACCOUNTING POLICIES 23
CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS 24


I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR, GARHWAL
DATED: MAY 30, 2023




DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



**NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2023**

Particulars	Schedule	(Amount in Rupees)	
		Current year	Previous year
INCOME			
Academic Receipts	9	4,24,60,352.00	4,19,62,282.00
Grants/Subsidies	10	24,67,26,685.00	23,82,11,526.00
Income from Investments	11	4,46,71,751.00	2,92,71,035.00
Interest Earned	12	37,34,222.00	1,06,91,005.00
Other Income	13	15,92,037.00	1,32,716.00
Prior Period Income	14	-	-
TOTAL (A)		33,91,85,047.00	32,02,68,564.00
EXPENDITURE			
Staff Payment & Benefits (Establishment Expenses)	15	18,38,38,765.00	16,80,51,997.00
Academic Expenses	16	3,09,64,335.00	3,20,45,492.00
Administrative and General Expenses	17	4,97,78,843.00	3,72,19,888.00
Transportation Expenses	18	6,67,496.00	2,58,093.00
Repairs & Maintenance	19	9,58,254.00	5,47,553.00
Finance Costs	20	22,248.00	4,900.00
Depreciation	4	2,81,07,196.00	2,73,73,001.00
Other Expenses	21	-	-
Prior Period Expenses	22	57,06,292.00	83,603.00
TOTAL (B)		30,00,43,429.00	26,55,84,527.00
Balance being excess of Income over Expenditure (A-B)		3,91,41,618.00	5,46,84,037.00
Transfer to / from Designated Fund			
Student Activity Fund		26,25,000.00	29,30,000.00
Development Fund		34,00,000.00	36,24,000.00
Sustainability Fund-TEQIP III		73,96,668.00	65,64,564.00
Alumni Association Fund		2,65,000.00	90,500.00
Balance being Surplus/(Deficit) Carried to :		2,54,54,950.00	4,14,74,973.00
Capital/Corpus Fund			

(Signature)
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



(Signature)
I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE - 1 CORPUS

(Amount in Rupees)

Particulars	Current Year	Previous Year
Balance at the beginning of the year	51,70,48,575.00	47,19,49,602.00
Add: Contributions towards Corpus/Capital Fund	34,00,000.00	36,24,000.00
Add: Other Additions	-	-
Add: Excess of Income over expenditure transferred from the Income & Expenditure Account	2,54,54,950.00	4,14,74,973.00
Total	54,59,03,525.00	51,70,48,575.00
Less: Int. transfer to Corpus	-	-
Total	54,59,03,525.00	51,70,48,575.00
(Deduct) Deficit transferred from the Income & Expenditure Account	-	-
Balance at the end of the year	54,59,03,525.00	51,70,48,575.00

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



**NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023**

SCHEDULE - I.1 CAPITAL FUND

Particulars	(Amount in Rupees)	
	Current Year	Previous Year
Balance at the beginning of the year	49,55,08,130.00	48,46,52,213.00
Additions	22,22,58,487.00	1,14,79,174.00
Deduction	-	-
Total	71,77,66,617.00	49,61,31,387.00
Reserves and Provision	-	-
Additions	1,53,93,895.00	1,24,993.00
Deduction	1,37,436.00	7,48,250.00
Total	1,52,56,459.00	(6,23,257.00)
Add: Excess of Income over expenditure transferred from the Income & Expenditure Account	-	-
Total	73,30,23,076.00	49,55,08,130.00
(Deduct) Deficit transferred from the Income & expenditure Account	-	-
Balance at the year end	73,30,23,076.00	49,55,08,130.00

(Signature)

**I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023**



(Signature)
**DIRECTOR
(PROF. LALIT KUMAR AWASTHI)**



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2023

SCHEDULE-F-2-DESIGNATED / EARMARKED / ENDOWMENT FUND

PARTICULARS	2.1			2.2			2.3			Current year	Previous Year
Balance B/F	5,54,04,904.00	-	-	-	-	-	5,54,04,904.00	4,52,42,384.00			
Add: Receipts during the year	1,36,75,412.00	-	-	-	-	-	1,36,75,412.00	1,11,73,493.00			
Total (a)	6,90,80,316.00	-	-	-	-	-	6,90,80,316.00	5,64,15,877.00			
Less Refunds	-	-	-	-	-	-	-	-			
Less : Utilized for Revenue Expenditure	41,96,981.00	-	-	-	-	-	41,96,981.00	10,10,973.00			
Less : Utilized for Capital Expenditure	4,33,912.00	-	-	-	-	-	4,33,912.00	-			
Total (b)	46,30,893.00	-	-	-	-	-	46,30,893.00	10,10,973.00			
Unutilized carried forward (a-b)	6,44,49,423.00	-	-	-	-	-	6,44,49,423.00	5,54,04,904.00			
Less : Transfer to Capital Fund	-	-	-	-	-	-	-	-			
Total	6,44,49,423.00	-	-	-	-	-	6,44,49,423.00	5,54,04,904.00			

(Amount in Rupees)

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

Abhijit



Dr. Lalit

DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

Lalit

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2023

SCHEDULE-2A DESIGNATED / earmarked / ENDOWMENT FUNDS OF R&D / PROJECT ACCOUNT

PARTICULARS	PROJECT WISE BREAKUP													TOTAL		
	SOPC (PI-Dr. IM Nagpur)	SEEHSA (PI-Dr. Hardeep Kumar)	CRS-M-308 (PI-Dr. MS Khair)	DAGBT (PI-Dr. JPL Dr. Min Kumar)	DIC (PI-Dr. PK Rakshi)	STHCS (PI-Dr. RP Pandey)	SERB (Dr. Simla Katoor)	ICMR (PI-Dr. PH Rakshi)	SSSTMSOC (PI-Dr. Kishan Kumar)	E-Rishabh (PI-Dr. P. Dobari)	DOISDEA (PI-Dr. Harinaran, Muthusamy)	DDCSBGG (PI-Dr. NK, Biswal)	R&C	Current Year	Previous Year	
A)																
a) Opening balance	1,627.00	47,505.50	4,735.50	395.00	44,39,232.00	26,909.00	-	-	18,10,200.00	13,00,060.00	31,36,733.00	10,51,577.00	17,21,184.00	1,35,50,156.00	97,95,199.00	
b) Additions during the year	-	4,50,480.00	40,265.00	-	43,501.00	-	22,48,920.00	15,60,844.00	-	-	-	-	9,57,000.00	53,00,810.00	66,27,150.00	
c) Income from Investment made of the funds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d) Accrued interest on Investments/ Advances	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e) Interest on Savings Bank etc	-	780.00	770.00	-	98,365.00	-	15,180.00	10,534.00	43,883.00	-	80,791.00	24,513.00	61,687.00	3,36,303.00	2,92,283.00	
f) Other additions (Specify nature)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Adjustment of Loss during the year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Adjustment during the year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total (A)	1,627.00	4,98,765.50	45,770.50	395.00	45,81,098.00	26,909.00	22,64,100.00	15,71,178.00	18,62,883.00	13,00,950.00	32,17,524.00	10,76,190.00	27,39,871.00	1,91,87,248.00	1,87,14,632.00	
B)																
Utilisation/Expenditure towards objectives of funds																
i) Capital Expenditure	-	-	-	-	12,33,114.00	-	-	-	-	3,24,004.00	3,08,205.00	2,16,892.00	-	20,82,215.00	2,08,704.00	
ii) Revenue Expenditure	-	4,05,868.50	38,957.50	-	9,62,637.50	-	-	-	3,01,686.50	81,549.00	88.50	3,32,844.50	10,85,013.00	32,28,447.00	41,51,479.50	
iii) Grant Refunded	-	-	-	-	-	-	-	-	-	8,99,387.00	-	-	-	8,99,387.00	6,41,382.50	
iv) Interest Refunded	-	-	-	-	-	-	-	-	49,200.00	-	-	-	-	49,200.00	1,62,920.00	
Total (B)	-	4,05,868.50	38,957.50	-	21,95,751.50	-	-	-	3,50,888.50	13,00,950.00	3,08,293.50	5,69,838.50	10,85,013.00	62,85,259.00	51,54,456.00	
C) R&D/Project Account - Capital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D) R&D/Project Account - Current Liabilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Closing balance at the year end (A-B+C)	1,627.00	93,197.00	6,813.00	395.00	23,85,346.50	26,909.00	22,64,100.00	15,71,178.00	15,11,984.50	13,00,950.00	23,09,230.50	5,06,363.50	16,54,856.00	1,42,72,514.00	1,48,00,650.00	

(Signature)
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



(Signature)
i/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE-2.1 DESIGNATED / EARMARKED / ENDOWMENT FUNDS

SCHEDULE 2.1	Student Activity Fund	Alumni Asso. Fund	DASA Fund	National Physical Laboratory	TEQIP-III Fund	NMEICT	CSAB/CMT FUND	MNREGA Fund	Workshop/STC	R & C FUND	NTA CUET EXAM 2022	Total		
												Current Year	Previous Year	
A.														
a) Opening balance	1,76,64,916.00	10,52,585.00	2,55,000.00	20,000.00	3,22,57,732.00	7,93,253.00	15,85,240.00	4,14,991.00	1,28,000.00	13,03,188.00	-	5,94,04,504.00	4,52,42,304.00	
b) Additions during the year	26,25,000.00	2,65,000.00	-	-	73,66,668.00	-	10,06,580.00	-	10,82,050.00	4,22,004.00	6,15,340.00	1,34,12,642.00	1,11,73,483.00	
c) Income from Investment made of the funds	-	-	-	-	-	-	-	-	-	-	-	-	-	
d) Accrued Interest on Investments/Advances	-	-	-	-	-	-	-	-	-	-	-	-	-	
e) Interest on Savings Bank Account	-	-	-	-	-	-	-	-	-	-	-	-	-	
f) Other additions (Specify nature):	-	-	-	-	-	-	-	-	-	-	-	-	-	
g) Performance Security Forfeited Income	-	-	-	-	2,57,023.00	-	-	-	-	-	-	2,57,023.00	-	
h) Others	5,000.00	-	-	-	147.00	-	-	-	-	-	-	5,147.00	-	
Total (A)	2,01,94,916.00	13,47,585.00	2,55,000.00	20,000.00	3,99,12,170.00	7,93,253.00	25,91,820.00	4,14,991.00	12,10,050.00	17,25,192.00	6,15,340.00	6,90,80,316.00	5,64,15,877.00	
B.														
Utilisation/Expenditure towards objectives of funds														
i) Capital Expenditure	2,44,164.00	-	-	-	1,89,748.00	-	-	-	-	-	-	4,33,912.00	-	
ii) Revenue Expenditure	13,89,011.00	1,73,899.00	-	-	3,02,735.00	-	3,89,880.00	-	10,23,781.00	3,22,585.00	6,15,340.00	41,96,981.00	10,10,973.00	
Total (B)	16,13,175.00	1,73,899.00	-	-	4,92,483.00	-	3,89,880.00	-	10,23,781.00	3,22,585.00	6,15,340.00	46,30,962.00	10,10,973.00	
Closing balance at the year end (A-B)	1,85,81,740.00	11,73,916.00	2,55,000.00	20,000.00	3,94,19,687.00	7,93,253.00	22,01,940.00	4,14,991.00	1,06,269.00	14,02,607.00	-	6,44,49,423.00	5,54,04,904.00	

Abhiti
I/C REGISTRAR
(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

Page 7



Prof. Lalit Kumar Awasthi
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2023

SCHEDULE 2.2 PLAN GRANT LIABILITY FOR ASSETS

		(Amount in Rupees)	
	Current year	Previous Year	
A. Plan Grants: Government of India			
Balance B/F	-	-	
Add. Receipts during the year	-	-	
Add. Receipts during the year (CSA)	-	-	
Total (a)	-	-	
Less Refunds	-	-	
Less : Utilized for Revenue Expenditure	-	-	
Less : Utilized for Capital Expenditure	-	-	
Total (b)	-	-	
Less: Transfer to Capital Fund	-	-	
Total	-	-	



Deepak
I/c REGISTRAR

(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

Lalit Kumar Awasthi
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE 2.3 EARMARKED FUNDS PLAN GRANT

(Amount in Rupees)

A. Plan Grants: Government of India	Current year	Previous Year
Balance B/F	-	-
Add. Receipts during the year	-	-
Total (a)	-	-
Less Refunds	-	-
Less : Utilized for Revenue Expenditure	-	-
Less : Utilized for Capital Expenditure	-	-
Total (b)	-	-
Unutilized carried forward	-	-

Note: Particulars of this Schedule has been shown in Schedule 10 as per MHRD Guidelines.

Deepika
I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)



PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

Lalit
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE 3- CURRENT LIABILITIES & PROVISIONS

PARTICULARS	(Amount in Rupees)	
	Current Year	Previous Year
A. CURRENT LIABILITIES		
1. Deposits from Staff	-	-
2. Deposits from Students	3,66,76,966.00	3,14,32,028.00
3. Sundry Creditors	1,14,55,999.00	1,66,75,527.00
<i>a) For Goods & Services</i>	-	6,10,740.00
<i>b) Others</i>	3,45,725.00	6,95,693.00
4. Deposit-Others (including EMD, Security Deposit)	28,11,205.00	29,09,433.00
5. Statutory Liabilities (GPF, IDS, WC TAX, CPF, GIS, NPS) :	-	-
<i>a) Overdue</i>	-	-
<i>b) Others</i>	-	-
6. Other Current Liabilities	78,59,731.00	81,61,472.00
<i>a) Fees Received in Advance</i>	1,20,78,738.00	1,12,09,651.00
<i>b) Salaries</i>	-	-
<i>c) Receipts against sponsored projects</i>	2,21,255.00	5,95,235.00
<i>d) Receipts against sponsored fellowships & Scholarships</i>	-	-
<i>e) Unutilised Grants</i>	-	-
<i>f) Grants in advance</i>	39,73,94,828.00	34,47,62,866.00
<i>g) Interest Earned on GLA (Refundable)</i>	45,29,475.00	2,51,49,636.00
<i>h) Other- Expenses Payable</i>	41,27,785.00	40,04,119.00
<i>i) Other liabilities</i>	1,02,295.00	4,20,356.00
4. HEFA Loan (Repayable within 12 months)	10,98,63,173.00	-
Total (A)	58,74,67,175.00	44,66,26,756.00
B. PROVISIONS		
1. For Taxation	-	-
2. Gratuity	1,98,823.00	-
3. Superannuation Pension	-	-
4. Accumulated Leave Encashment	-	-
5. Trade Warranties / Claims	-	-
6. Other - Leave Salary & Pension Contribution	7,35,636.00	-
Total (B)	9,34,459.00	-
Total (A+B)	58,84,01,634.00	44,66,26,756.00



(Signature)
I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL.
DATED: MAY 30, 2023

(Signature)
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

SCHEDULE-3 (a) SPONSORED PROJECTS

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

1. Sl. No.	2. Name of the Project	2a Pr. Name	Opening Balance		5. Receipts/Interest/ Recoveries during the year	6. Total	7. Expenditure/Retard during the year	Closing Balance	
			3. Credit	4. Debit				8. Credit	9. Debit
1	Synthesis and development of polymeric compounds (phenylated quinone based) for OLED (Organic light emitting devices) applications- (SDPC)	Dr. M. Nigam		1,627.00	-	1,627.00	-	-	1,627.00
2	Study of FRB epitaxial films and heterostructures for spintronics applications (SHEHSA)	Dr. Hardeep Kumar		47,505.50	4,51,200.00	4,98,705.50	4,05,568.50	-	93,197.00
3	Fabrication and characterization of Co-based Co/Pt/Multi-layered films by electrodeposition (CRS-M308)	Dr. NIS Nishant		4,735.50	41,035.00	45,770.50	38,957.50	-	6,813.00
4	Development and analysis of cancellable biometric template generation for person identification (DACBICP)	Dr. Nina Kumar		383.00	-	383.00	-	-	383.00
5	National Initiative for Design Innovation (DIC)	Dr. Pawan Kumar Rakesh		44,39,232.00	1,41,866.00	45,81,098.00	21,95,751.50	-	23,85,346.50
6	Fabrication and Testing of Lower Limb Prostheses for Transfemoral Amputees using Biocomposites with Energy Restoring Capability	Dr. Pawan Kumar Rakesh		-	15,71,178.00	15,71,178.00	-	-	15,71,178.00
7	Synthesis, Structural and Photocatalytic Properties of Photoactive MoFs (SITHCB)	Dr. Ranu Priya Paruley		26,909.00	-	26,909.00	-	-	26,909.00
8	Secret Sharing Scheme based technology for Multimedia Security Over Cloud (SSSBTMSOC)	Dr. Krishan Kumar		18,19,200.00	43,683.00	18,62,883.00	3,50,888.50	-	15,11,994.50
9	Solar powered robust E-Rickshaw control with bidirectional DC-DC converter using regenerative cycle boost charging (E-Rickshaw)	Dr. Prakash Davevedi		13,00,950.00	-	13,00,950.00	13,00,950.00	-	-
10	Decare: Development of Indigenous System for Deciphering Encrypted Apeach From EEG Signals Using Optimized Deep Convolutional Neural Network Models (DDISDEA)	Dr. Harsham Madhuswamy		31,36,733.00	80,791.00	32,17,524.00	3,08,295.50	-	29,09,230.50
11	Development of Domestic cooking stove based on biomass gasification with porous radiant burner (DTC/SBEG)	Dr. Neel Kumar Mishra		10,51,677.00	24,513.00	10,76,190.00	5,69,836.50	-	5,06,353.50
12	Development of empirical model for fundamental natural period of buildings constructed in hilly terrains	Dr. Smita Kaloni		-	22,64,100.00	22,64,100.00	-	-	22,64,100.00
Total				1,18,28,952.00	46,18,426.00	1,64,47,378.00	51,70,246.00	-	1,12,77,132.00

1. The Projects may be listed agency-wise, with sub-totals for each agency.
2. The total of Col. 8 (Credit) will appear under the above head on the liabilities side of the Balance Sheet (Schedule 3).
3. The total of Col. 9 (Debit) will appear as receivables in schedule 8, Loans, Advances and Deposits, on the Assets side of the Balance Sheet.

IC REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATE: MAY 30, 2023



(PROF. LALE KUMAR AWASTHI)
DIRECTOR



**NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2023**

SCHEDULE-3 (B) SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

(Amount in Rupees)

S.NO 1.	2. Name of Sponsor	Opening Balance as on 01.04.2022		Transactions during the year		Closing Balance as on 31.03.2023	
		3 CR.	4 DR.	5 CR.	6 DR.	7 CR.	8 DR.
1	University Grants Commission	-	-	-	-	-	-
2	Ministry of SJ&E	5,25,235.00	-	-	4,33,280.00	91,955.00	-
3	Others (Specify individually):						
	(i) Swami Dayanand Education Foundation	-	-	20,000.00	20,000.00	-	-
	(ii) Shraman Foundation	-	-	4,89,300.00	4,30,000.00	59,300.00	-
	(iii) Uttarakhand District Welfare	70,000.00	-	-	-	70,000.00	-
	Total	5,95,235.00	-	5,09,300.00	8,83,280.00	2,21,255.00	-

Note:

1. The total of Column 7, (Credit) will appear under the above head, on the liabilities side of the balance sheet (Schedule 3).
2. The total of Column 8 (Debit) will appear as Receivables on the Assets side of the Balance Sheet in Schedule 8 (Loans, Advances and Deposits).

(Signature)

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



(Signature)

DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE 3 (C) UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS

(Amount in Rupees)

	Current Year	Previous Year
A. Plan grants: Government of India		
Balance B/F	36,99,12,502.00	42,09,06,450.00
Add: Receipts Grant-in-Aid	27,55,00,000.00	22,58,01,000.00
Add: Receipts Grant-in-Aid for HEFA Loan Principal Amount	29,67,16,500.00	-
Gross Receipts Grant-in-Aid during the year	57,22,16,500.00	22,58,01,000.00
Less: Grant Receivable previous year	(30,90,743.00)	-
Add: TSA Grant Receivable	-	30,90,743.00
Add: Interest earned during the year	45,29,475.00	86,57,957.00
Total (a)	94,35,67,734.00	65,84,56,150.00
Less Refunds		
(i) Unutilized Grant-in-Aid pull back by TSA	4,77,52,787.00	2,39,66,948.00
(ii) Refund to MHRD (Interest)	2,51,49,636.00	1,48,86,000.00
(iii) Utilized for Revenue Expenditure	24,67,26,685.00	23,82,11,526.00
(iv) Utilized for Capital Expenditure	22,20,14,323.00	1,14,79,174.00
Total(b)	54,16,43,431.00	28,85,43,648.00
Unutilized carried forward (a-b)	40,19,24,303.00	36,99,12,502.00
B. U/GC Grants: Plan		
Balance B/F		
Receipts during the year		
Total (c)	-	-
Less Refund		
Less: Utilized for Revenue Expenditure		
Less: Utilized for capital expenditure		
Total (d)	-	-
Unutilized carried forward (c-d)	-	-

Note: Unutilized Grant-in-Aid includes CPWD mobilization advance of Rs. 4,71,78,930/-

(Signature)
I/c REGISTRAR

(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL

DATED: MAY 30, 2023



(Signature)
DIRECTOR

(PROF. LALIT KUMAR AWASTHI)

ANNUAL REPORT 2022-23



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE 4 FIXED ASSETS

S. No.	Tangible Assets Heads	Gross Block				Depreciation for the Year- 2022-23			Net Block			
		Original Cost as on 01.04.2022	Additions	Adjustment	Deductions	Closing Balance	Depreciation on Opening Balance	Depreciation for the year	Deductions/ Adjustment	Total Depreciation	31.03.2023	31.03.2022
1	Land	1.00	-	-	-	1.00	-	-	-	-	1.00	1.00
2	Site Development	34,83,923.00	5,51,649.00	3,45,58,977.00	-	3,85,94,549.00	-	-	-	-	3,85,94,549.00	34,83,923.00
3	Buildings	17,93,87,424.00	-	-	-	17,93,87,424.00	2,90,57,659.00	35,87,749.00	-	3,26,45,408.00	14,67,42,015.00	15,03,29,765.00
4	Sports Equipment	-	-	-	-	-	-	-	-	-	-	-
5	Tubewells & Water Supply	1,18,215.00	56,025.00	-	-	1,74,240.00	12,711.00	3,484.00	-	16,195.00	1,58,045.00	1,05,504.00
6	Sewerage & drainage	-	-	-	-	-	-	-	-	-	-	-
7	Electrical Installation and Equipment	1,08,10,584.00	16,11,906.00	-	-	1,24,22,500.00	39,59,969.00	6,21,138.00	-	46,81,087.00	78,41,403.00	68,50,635.00
8	Plant & Machinery	13,36,089.00	51,532.00	-	-	13,87,621.00	3,56,715.00	69,382.00	-	4,26,097.00	9,61,524.00	9,79,374.00
9	Scientific & Laboratory Equipment	4,44,99,879.00	91,92,103.00	-	-	5,36,91,982.00	2,51,27,006.00	42,57,689.00	-	2,99,84,695.00	2,43,07,287.00	1,93,72,873.00
10	Office Equipment	52,70,036.00	59,853.00	-	-	53,29,889.00	27,63,563.00	3,99,750.00	-	31,63,313.00	21,66,575.00	25,06,473.00
11	Audio Visual Equipment	58,16,613.00	1,96,104.00	-	-	60,12,717.00	33,79,395.00	4,50,966.00	-	38,30,351.00	21,82,368.00	24,37,218.00
12	Computers & Peripherals	5,00,04,091.00	1,94,25,019.00	-	-	6,94,29,110.00	4,72,55,069.00	48,84,848.00	-	5,21,49,517.00	1,72,79,193.00	27,49,022.00
13	Furniture, Fixtures & Fittings	2,80,37,432.00	19,75,615.00	-	-	3,00,14,047.00	1,72,08,210.00	22,51,073.00	-	1,94,57,283.00	1,05,56,764.00	1,06,31,222.00
14	Vehicles	39,48,471.00	-	-	-	39,48,471.00	30,60,764.00	3,94,846.00	-	34,53,625.00	4,92,846.00	8,87,707.00
15	Lib. Books & Scientific Journals	1,88,39,692.00	-	-	-	1,88,39,692.00	1,60,50,605.00	11,88,547.00	-	1,72,19,252.00	16,20,440.00	27,89,087.00
16	Small Value Assets	17,60,557.00	46,678.00	-	-	18,07,235.00	17,60,310.00	46,674.00	-	18,06,984.00	251.00	247.00
17	Stock	25,026.00	-	-	-	25,026.00	-	-	-	-	25,026.00	25,026.00
18	Project Development (Office Equipment)	16,480.00	-	-	-	16,480.00	4,944.00	1,236.00	-	6,180.00	10,300.00	11,538.00
19	Audio Visual (CSA)	33,450.00	-	-	-	33,450.00	13,844.00	2,634.00	-	16,478.00	17,012.00	19,645.00
20	Computer & Peripherals (CSA)	26,200.00	-	-	-	26,200.00	24,888.00	1,289.00	-	26,197.00	3,000	1,302.00
21	Electrical Equipments (CSA)	2,700.00	-	-	-	2,700.00	675.00	135.00	-	810.00	1,890.00	2,025.00
22	Sports Equipment (CSA)	3,70,412.00	2,44,164.00	-	-	6,14,576.00	1,61,383.00	49,166.00	-	2,10,549.00	4,04,027.00	2,09,023.00
23	Furniture & Fixture (CSA)	1,200.00	-	-	-	1,200.00	450.00	90.00	-	540.00	660.00	750.00
24	Small Value Assets (CSA)	8,560.00	-	-	-	8,560.00	8,558.00	8,558.00	-	-	2.00	2.00
25	Capital Work in Progress (B)	35,37,97,085.00	3,34,11,648.00	3,45,58,977.00	-	42,17,67,710.00	15,02,04,748.00	1,82,00,795.00	-	16,84,05,514.00	25,33,62,196.00	20,35,92,357.00
		3,45,58,977.00	29,21,81,173.00	-	-	29,21,81,173.00	-	-	-	-	29,21,81,173.00	3,45,58,977.00
S. No.	Intangible Assets	Original Cost as on 01.04.2022	Additions	Adjustment	Deductions	Closing Balance	Amortization on Opening Balance	Amortization for the Year	Deductions / Adjustment	Total Amortization	31.03.2023	31.03.2022
26	Software	5,22,51,443.00	23,74,740.00	-	-	5,46,26,183.00	5,20,77,100.00	11,02,974.00	-	5,31,80,074.00	14,46,109.00	1,74,343.00
27	E-Journals, Books	4,23,78,306.00	56,56,151.00	-	-	4,80,14,457.00	3,39,06,054.00	88,03,425.00	-	4,27,09,520.00	53,04,937.00	84,72,212.00
	Total (C)	9,46,29,749.00	80,10,891.00	-	-	10,26,00,648.00	8,59,83,194.00	99,06,400.00	-	9,58,89,594.00	67,51,046.00	86,46,556.00
	Grand Total (A+B+C)	48,20,85,811.00	33,36,03,712.00	3,45,58,977.00	3,45,58,977.00	81,65,89,523.00	23,61,87,912.00	2,81,07,196.00	-	26,42,95,106.00	55,22,94,415.00	24,67,97,893.00



(Signature)
lic REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

(Signature)
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE 4A: FIXED ASSETS PLAN

S/N	Tangible Assets Heads	ORIGINAL COST AS ON 01/04/2022	Gross Block				Depreciation for the Year-2022-23				Net Block		
			Additions	Adjustment	Deductions	Closing Balance	Depreciation on Opening Balance	Depreciation for the year	Deductions/Adjustment	Total Depreciation	31.03.2023	31.03.2022	
1	Land	1.00	-	-	-	1.00	-	-	-	-	-	1.00	1.00
2	Site Development	34,83,923.00	5,51,649.00	3,45,58,977.00	-	3,85,94,549.00	-	-	-	-	-	3,85,94,549.00	34,83,923.00
3	Buildings	17,93,87,424.00	-	-	-	17,93,87,424.00	2,90,57,659.00	35,87,749.00	-	3,26,45,408.00	14,67,42,016.00	14,67,42,016.00	15,03,20,765.00
4	Sports Equipment	-	-	-	-	-	-	-	-	-	-	-	-
5	Tubewells & Water Supply	1,18,215.00	56,025.00	-	-	1,74,240.00	12,711.00	3,484.00	-	16,195.00	1,58,045.00	1,58,045.00	1,05,504.00
6	Scavenger & drainage	-	-	-	-	-	-	-	-	-	-	-	-
7	Electrical Installation and equipment	1,08,10,594.00	16,11,906.00	-	-	1,24,22,500.00	39,59,959.00	6,21,138.00	-	45,81,097.00	78,41,403.00	78,41,403.00	68,50,655.00
8	Plant & Machinery	13,36,089.00	51,532.00	-	-	13,87,521.00	3,56,715.00	69,382.00	-	4,26,097.00	9,61,524.00	9,61,524.00	9,79,374.00
9	Scientific & Laboratory Equipment	4,44,99,879.00	91,92,103.00	-	-	5,36,91,982.00	2,51,27,006.00	42,57,689.00	-	2,93,84,695.00	2,43,07,287.00	1,93,72,873.00	1,93,72,873.00
10	Office Equipment	52,70,036.00	59,853.00	-	-	53,29,889.00	27,63,563.00	3,99,750.00	-	31,63,313.00	21,66,576.00	23,06,473.00	23,06,473.00
11	Audio Visual Equipment	58,16,613.00	1,96,104.00	-	-	60,12,717.00	33,79,593.00	4,50,956.00	-	38,30,551.00	21,82,366.00	24,57,218.00	24,57,218.00
12	Computers & Peripherals	5,00,04,091.00	1,94,25,019.00	-	-	6,94,29,110.00	4,72,55,069.00	48,94,848.00	-	5,21,49,267.00	1,72,79,193.00	27,49,022.00	27,49,022.00
13	Furniture, Fixtures & Fittings	2,80,37,432.00	19,76,615.00	-	-	3,00,14,047.00	1,72,06,210.00	22,51,073.00	-	1,94,57,283.00	1,05,56,764.00	1,08,31,222.00	1,08,31,222.00
14	Vehicles	39,48,471.00	-	-	-	39,48,471.00	30,60,764.00	3,94,846.00	-	34,53,610.00	4,92,861.00	8,87,707.00	8,87,707.00
15	Libr. Books & Scientific Journals	1,88,39,692.00	-	-	-	1,88,39,692.00	1,60,50,605.00	11,88,647.00	-	1,72,19,252.00	16,20,440.00	27,89,087.00	27,89,087.00
16	Small Value Assets	17,60,557.00	46,678.00	-	-	18,07,235.00	17,60,310.00	46,674.00	-	18,06,984.00	251.00	247.00	247.00
17	Stock	25,026.00	-	-	-	25,026.00	-	-	-	-	25,026.00	25,026.00	25,026.00
18	Capital Work in Progress (B)	3,45,58,977.00	3,31,67,484.00	-	-	42,10,64,504.00	14,99,89,966.00	1,81,46,236.00	-	16,81,36,202.00	25,39,28,302.00	20,33,48,077.00	20,33,48,077.00
19	Total (A+B)	38,78,97,024.00	32,53,48,657.00	3,45,58,977.00	3,45,58,977.00	71,32,48,577.00	14,99,89,966.00	1,81,46,236.00	-	16,81,36,202.00	54,51,09,475.00	23,79,07,054.00	23,79,07,054.00

(IC REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

(Signature)



(Signature)

(PROF. LAJIT KUMAR AWASTHI)
DIRECTOR

(Signature)



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE 4B- NON PLAN

S.N 0.	Tangible Assets Heads	Gross Block					Depreciation for the Year- 2022-23			(Amount in Rupees) Net Block		
		ORIGINAL COST AS ON 01.04.2022	Additions	Adjustment	Deductions	Closing Balance	Depreciation on Opening Balance	Depreciation for the year	Deductions / Adjustment	Total Depreciation	31.03.2023	31.03.2022
1	Land	-	-	-	-	-	-	-	-	-	-	-
2	Site Development	-	-	-	-	-	-	-	-	-	-	-
3	Buildings	-	-	-	-	-	-	-	-	-	-	-
4	Sports Equipment	-	-	-	-	-	-	-	-	-	-	-
5	Tube wells & Water Supply	-	-	-	-	-	-	-	-	-	-	-
6	Sewerage & drainage	-	-	-	-	-	-	-	-	-	-	-
7	Electrical Installation and Equipment	-	-	-	-	-	-	-	-	-	-	-
8	Plant & Machinery	-	-	-	-	-	-	-	-	-	-	-
9	Scientific & Laboratory Equipment	-	-	-	-	-	-	-	-	-	-	-
10	Office Equipment	-	-	-	-	-	-	-	-	-	-	-
11	Audio Visual Equipment	-	-	-	-	-	-	-	-	-	-	-
12	Computers & Peripherals	-	-	-	-	-	-	-	-	-	-	-
13	Furniture, Fixtures & Fittings	-	-	-	-	-	-	-	-	-	-	-
14	Vehicles	-	-	-	-	-	-	-	-	-	-	-
15	Lib. Books & Scientific Journals	-	-	-	-	-	-	-	-	-	-	-
16	Small Value Assets	-	-	-	-	-	-	-	-	-	-	-
17	Stock	-	-	-	-	-	-	-	-	-	-	-
18	Project Development (Office Equipment)	-	-	-	-	-	-	-	-	-	-	-
19	Audio Visual (CSA)	-	-	-	-	-	-	-	-	-	-	-
20	Computer & Peripherals (CSA)	-	-	-	-	-	-	-	-	-	-	-
21	Electrical Equipments (CSA)	-	-	-	-	-	-	-	-	-	-	-
22	Sports Equipment (CSA)	-	-	-	-	-	-	-	-	-	-	-
23	Furniture & Fixture (CSA)	-	-	-	-	-	-	-	-	-	-	-
24	Small Value Assets (CSA)	-	-	-	-	-	-	-	-	-	-	-
	Total (A)	-	-	-	-	-	-	-	-	-	-	-
25	Capital Work in Progress (B)	-	-	-	-	-	-	-	-	-	-	-



Handwritten signature

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

Handwritten signature
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

(Amount in Rupees)

S. No	Assets Heads	Gross Block				Depreciation for the Year 2022-23				Net Block	
		Opening Cost as on 01.04.2022	Additions	Deductions	Closing Balance	Depreciation/ Amortizations Opening Balance	Depreciation/ Amortization for the Year	Deductions/ Adjustment	Total Depreciation/ Amortization	31.03.2023	31.03.2022
1	Patents & Copyrights	-	-	-	-	-	-	-	-	-	-
2	Computer Software	5,22,51,443.00	23,74,740.00	-	5,46,26,183.00	5,20,77,100.00	11,02,974.00	-	5,31,80,074.00	14,46,109.00	1,74,343.00
3	E-Journals	4,23,78,306.00	56,36,151.00	-	4,80,14,457.00	3,39,06,094.00	88,03,426.00	-	4,27,09,520.00	53,04,937.00	84,72,212.00
	Total	9,46,29,749.00	80,10,891.00	-	10,26,40,640.00	8,59,83,194.00	99,06,400.00	-	9,58,89,594.00	67,51,046.00	86,46,555.00

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL,
DATED: MAY 30, 2023

Abhat



Deepale

(PROF. LALIT KIMAR AWASTHI)
DIRECTOR

Lalit



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE 4C (i) PATENTS AND COPYRIGHTS

Particulars	Op. Balance	Addition	Gross	Amortization	Net Block 2022-23	Net Block 2021-22
A Patents Granted						
1 Balance as on 31.03.23 of Patents obtained in Year						
(Original Value - Rs.../-)						
2 Balance as on 31.03.23 of Patents obtained in Year						
(Original Value - Rs.../-)						
3 Balance as on 31.03.23 of Patents obtained in Year						
(Original Value - Rs.../-)						
4 Patents granted during the Current Year						
Total						

Particulars	Op. Balance	Addition	Gross	Patents Granted/Rejected	Net Block 2022-23	Net Block 2021-22
B. Patents Pending in respect of Patents applied for						
1 Expenditure incurred during the Year						
2 Expenditure incurred during the Year						
3 Expenditure incurred during the Year						
Total						
C. Grand Total (A+B)						

Note: The addition in Part A (patents granted), will be the figure of patents granted during the year, transferred from Part B (column - Patents granted/rejected). The amount against grants rejected during the year is written off in the Income and Expenditure Account.

Dr. Dharmendra Tripathi

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



Lalit Kumar Awasthi
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE 4D: FIXED ASSETS R&D AND PROJECTS

S/N	Tangible Assets Heads	Gross Block (ASSETS)				Depreciation for the Year- 2022-23				Net Block	
		Original Cost as on 01.04.22	Additions	Deductions	Closing Balance	Depreciation on Opening Balance	Depreciation for the year	Deductions / Adjustment	Total Depreciation	31.03.2023	31.03.2022
1	Small Value Assets (SMVA)	-	-	-	-	-	-	-	-	-	-
2	Computer & Peripherals (SMCP)	-	-	-	-	-	-	-	-	-	-
3	Laboratory & Scientific Equipments (LSE)	5,00,000.00	-	-	5,00,000.00	-	-	-	-	5,00,000.00	5,00,000.00
4	Laboratory & Scientific Equipments (LSRE)	8,40,524.00	-	-	8,40,524.00	-	-	-	-	8,40,524.00	8,40,524.00
	Total	13,40,524.00	-	-	13,40,524.00	-	-	-	-	13,40,524.00	13,40,524.00

(Amount in Rupees)

U
 (DR. DHARMENDRA TRIPATHI)
 REGISTRAR
 PLACE: SRINAGAR GARHWAL
 DATED: MAY 30, 2023



Director
 (PROF. LALIT KUMAR AWASTHI)
 DIRECTOR



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE 4D (i) OTHERS (INSTITUTE FUNDS)

S.No.	Tangible Assets Heads	Gross Block			Depreciation for the Year- 2022-23			Net Block				
		ORIGINAL COST AS ON 01.04.2022	Additions	Adjustment	Deductions	Closing Balance	Depreciation on Opening Balance	Depreciation for the year	Deductions / Adjustment	Total Depreciation	31.03.2023	31.03.2022
1	Project Development (Office Equipment)	16,480.00	-	-	-	16,480.00	4,944.00	1,236.00	-	6,180.00	10,300.00	11,536.00
2	Audio Visual (CSA)	33,490.00	-	-	-	33,490.00	13,844.00	2,634.00	-	16,478.00	17,012.00	19,646.00
3	Computer & Peripherals (CSA)	26,200.00	-	-	-	26,200.00	24,898.00	1,299.00	-	26,197.00	3.00	1,302.00
4	Electrical Equipments (CSA)	2,700.00	-	-	-	2,700.00	675.00	135.00	-	810.00	1,890.00	2,025.00
5	Sports Equipment (CSA)	3,70,412.00	2,44,164.00	-	-	6,14,576.00	1,61,383.00	49,166.00	-	2,10,549.00	4,04,027.00	2,09,029.00
6	Furniture & Fixture (CSA)	1,200.00	-	-	-	1,200.00	450.00	90.00	-	540.00	660.00	750.00
7	Small Value Assets (CSA)	8,560.00	-	-	-	8,560.00	8,558.00	-	-	8,558.00	2.00	2.00
	Total	4,59,042.00	2,44,164.00	-	-	7,03,206.00	2,14,752.00	54,560.00	-	2,69,312.00	4,33,894.00	2,44,290.00

(Signature)

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



(Signature)
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE 5 : INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS/ OTHERS

(Amount in Rupees)

PARTICULARS	Current Year	Previous Year
1. In Central Government Securities	-	-
2. In State Government Securities	-	-
3. Other Approved Securities	-	-
4. Shares	-	-
5. Debentures and Bonds	-	-
6. Term Deposits with Banks	89,21,34,466.00	89,00,00,000.00
7. Others (to be specified)	-	-
Total	89,21,34,466.00	89,00,00,000.00


I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023




DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023
SCHEDULE 5A: INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS (FUND WISE) CORPUS FUND

S.No.	Funds	Current Year	Previous Year
1	FDR UNION BANK 526003031043961	1,50,00,000.00	1,50,00,000.00
2	FDR UNION BANK 526003031043962	1,00,00,000.00	1,00,00,000.00
3	CANARA BANK FDR 3485401000349/4	-	1,50,00,000.00
4	CANARA BANK FDR 3485401000349/5	-	1,50,00,000.00
5	CANARA BANK FDR 3485401000349/6	-	1,00,00,000.00
6	CANARA BANK FDR 3485401000349/7	1,57,90,779.00	-
7	CANARA BANK FDR 3485401000349/8	1,58,01,803.00	-
8	CANARA BANK FDR 3485401000349/9	1,05,41,884.00	-
9	FDR SBI 40517765308	1,50,00,000.00	1,50,00,000.00
10	FDR SBI 40520663355	1,50,00,000.00	1,50,00,000.00
11	FDR SBI 40524029380	1,50,00,000.00	1,50,00,000.00
12	FDR SBI 40524905053	1,50,00,000.00	1,50,00,000.00
13	FDR SBI 40530735217	1,50,00,000.00	1,50,00,000.00
14	FDR SBI 40531763641	1,50,00,000.00	1,50,00,000.00
15	FDR SBI 40535644676	1,50,00,000.00	1,50,00,000.00
16	FDR SBI 40537355808	1,50,00,000.00	1,50,00,000.00
17	FDR SBI 40540757080	1,50,00,000.00	1,50,00,000.00
18	FDR SBI 40543215433	1,50,00,000.00	1,50,00,000.00
19	FDR SBI 40546509166	1,50,00,000.00	1,50,00,000.00
20	FDR SBI 40551322013	1,50,00,000.00	1,50,00,000.00
21	FDR SBI 40553450032	1,50,00,000.00	1,50,00,000.00
22	FDR SBI 40559823805	1,50,00,000.00	1,50,00,000.00
23	FDR SBI 40563495471	1,50,00,000.00	1,50,00,000.00
24	FDR SBI 40565662736	1,50,00,000.00	1,50,00,000.00
25	FDR SBI 40568302190	1,50,00,000.00	1,50,00,000.00
26	FDR SBI 40570979835	1,50,00,000.00	1,50,00,000.00
27	FDR SBI 40573614498	1,50,00,000.00	1,50,00,000.00
28	FDR SBI 40577327487	1,50,00,000.00	1,50,00,000.00
29	FDR SBI 40579911325	1,50,00,000.00	1,50,00,000.00
30	FDR SBI 40582612988	1,50,00,000.00	1,50,00,000.00
31	FDR SBI 40585170284	1,50,00,000.00	1,50,00,000.00
32	FDR SBI 40589288181	1,50,00,000.00	1,50,00,000.00
33	FDR SBI 40592895995	1,50,00,000.00	1,50,00,000.00



S.No.	Funds	Current Year	Previous Year
34	FDR SBI 40594540484	1,50,00,000.00	1,50,00,000.00
35	FDR SBI 40597223575	1,50,00,000.00	1,50,00,000.00
36	FDR SBI 40599812648	1,50,00,000.00	1,50,00,000.00
37	FDR SBI 40602355838	1,50,00,000.00	1,50,00,000.00
38	FDR SBI 40606169177	1,50,00,000.00	1,50,00,000.00
39	FDR UNION BANK 526003031043904	1,50,00,000.00	1,50,00,000.00
40	FDR UNION BANK 526003031043905	1,50,00,000.00	1,50,00,000.00
41	FDR UNION BANK 526003031043906	1,50,00,000.00	1,50,00,000.00
42	FDR UNION BANK 526003031043908	1,50,00,000.00	1,50,00,000.00
43	FDR UNION BANK 526003031043909	1,50,00,000.00	1,50,00,000.00
44	FDR UNION BANK 526003031043910	1,50,00,000.00	1,50,00,000.00
45	FDR UNION BANK 526003031043912	1,50,00,000.00	1,50,00,000.00
46	FDR UNION BANK 526003031043913	1,50,00,000.00	1,50,00,000.00
47	FDR UNION BANK 526003031043916	1,50,00,000.00	1,50,00,000.00
48	FDR UNION BANK 526003031043918	1,50,00,000.00	1,50,00,000.00
49	FDR UNION BANK 526003031043919	1,50,00,000.00	1,50,00,000.00
50	FDR UNION BANK 526003031043921	1,50,00,000.00	1,50,00,000.00
51	FDR UNION BANK 526003031043923	1,50,00,000.00	1,50,00,000.00
52	FDR UNION BANK 526003031043934	1,50,00,000.00	1,50,00,000.00
53	FDR UNION BANK 526003031043937	1,50,00,000.00	1,50,00,000.00
54	FDR UNION BANK 526003031043938	1,50,00,000.00	1,50,00,000.00
55	FDR UNION BANK 526003031043940	1,50,00,000.00	1,50,00,000.00
56	FDR UNION BANK 526003031043945	1,50,00,000.00	1,50,00,000.00
57	FDR UNION BANK 526003031043947	1,50,00,000.00	1,50,00,000.00
58	FDR UNION BANK 526003031043948	1,50,00,000.00	1,50,00,000.00
59	FDR UNION BANK 526003031043950	1,50,00,000.00	1,50,00,000.00
60	FDR UNION BANK 526003031043952	1,50,00,000.00	1,50,00,000.00
61	FDR UNION BANK 526003031043954	1,50,00,000.00	1,50,00,000.00
62	FDR UNION BANK 526003031043957	1,50,00,000.00	1,50,00,000.00
63	FDR UNION BANK 526003031043960	1,50,00,000.00	1,50,00,000.00
	Grand Total	89,21,34,466.00	89,00,00,000.00

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



Page 23

DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE 6 : INVESTMENTS OTHERS

PARTICULARS	(Amount in Rupees)	
	Current Year	Previous Year
1. In Central Government Securities	-	-
2. In State Government Securities	-	-
3. Other Approved Securities	-	-
4. Shares	-	-
5. Debentures and Bonds	-	-
6. Term Deposits with Banks	-	-
7. Others (to be specified)	-	-
Total	-	-



(Signature)

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

(Signature)
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2023

SCHEDULE 7- CURRENT ASSETS

Particulars	Current Year		Previous Year	
1. Stock:		18,66,463.00		6,90,923.00
a) Stores and Spares		-	64,207.00	
b) Loose Tools		-	-	
c) Publications		-	-	
d) Laboratory Chemicals, Consumbles and Glass ware		1,168.00	1,30,950.00	
e) Building Material		1,33,209.00	-	
f) Electrical Material		2,66,061.00	-	
g) Stationery		4,14,656.00	1,61,023.00	
h) Water supply material		-	-	
i) Others		10,51,369.00	3,34,743.00	
2. Sundry Debtors :		1,825.00		6,690.00
a) Debts Outstanding for a period exceeding six months			4,865.00	
b) Others : Recovery from Employees		1,825.00	1,825.00	
3. Cash and Bank Balances				
a) With Scheduled Banks:		37,28,77,502.00		23,03,67,714.00
-/In Current Accounts		33,05,21,419.00	4,75,631.00	
-/In Term Deposit Accounts		-	-	
-/In Savings Accounts		4,23,56,083.00	22,98,92,083.00	
b) With Non-Scheduled Banks:		-	-	
-/In Term Deposit Accounts		-	-	
-/In Savings Accounts		-	-	
4. Post Office- Savings Accounts		-		-
TOTAL		37,47,45,790.00		23,10,65,327.00

Note: Annexure "A" shows the details of Bank Accounts.

I/C REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

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DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2023

Annexure "A"

Particulars	(Amount in Rupees)	
	Current Year	Previous Year
I. Saving Bank Accounts:		
1. Indian Bank Account No. 50511577145	42,903.00	41,744.00
2. SBI Main Saving Account No. 37530566069	1,33,25,891.09	19,18,14,679.17
3. SBI Student Fees Account No. 37530602667	2,80,39,985.60	3,66,30,587.82
4. SBI Student Function Account No. 37530603682	7,27,041.75	7,07,738.75
5. SBI TEQIP-III Account No. 37843015175	2,20,261.50	6,97,333.00
Total (A)	4,23,56,082.94	22,98,92,082.74
II. Current Bank Accounts :		
1. SBI Main Account No. 31091773379	8,36,419.00	4,75,631.00
2. TSA RBI Account No. 10682501001	-	-
3. ESCROW 3 HEFA Loan Principal Payment Account 120000588506	32,96,85,000.00	-
4. ESCROW 4 HEFA Loan Interest Payment Account 120000591797	-	-
5. SBI NSS Account No. 41774172598	-	-
Total (B)	33,05,21,419.00	4,75,631.00
III. Term Deposits with Schedule Banks	-	-
Total (C)	-	-
TOTAL (A+B+C)	37,28,77,501.94	23,03,67,713.74

[Signature]

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



[Signature]

DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



SCHEDULE 7A- CURRENT ASSETS -R&D AND PROJECTS

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

(Amount in Rupees)

Particulars	Current Year	Previous Year
1. Stock:		
a) Stores and Spares	-	-
b) Loose Tools	-	-
c) Publications	-	-
d) Laboratory Chemicals, consumables and glass ware	-	-
e) Building Material	-	-
f) Electrical Material	-	-
g) Stationery	-	-
h) Motor supply material	-	-
2. Sundry Debtors :		
a) Debts Outstanding for a period exceeding six months	3,600.00	-
b) Others (Duties & Taxes)	28,700.00	26,700.00
3. ACCRUED INTEREST	-	-
4. RECOVERABLE AMOUNT OF NPS	-	-
5. Cash and Bank Balances		
a) With Scheduled Banks:		
In Bank Accounts		
SBI A/C No 37330603172 R & D (Saving)	1,28,99,690.00	1,35,23,436.00
In Term Deposit Accounts		
<i>In Savings Accounts</i>	-	-
<i>b) With Non-Scheduled Banks:</i>		
<i>In term deposit accounts</i>	-	-
<i>In Savings Accounts</i>	-	-
4. Post Office- Savings Accounts	-	-
TOTAL	1,29,31,990.00	1,35,50,136.00

(Signature)
The REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



(Signature)
DIRECTOR
(PROF. LALIT KUMAR AVASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2023

SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS

Particulars	(Amount in Rupees)	
	Current year	Previous year
1. Advances to employees: (Non-Interest bearing)	-	-
a) Salary	-	-
b) Festival	-	-
c) Medical Advance	-	-
d) Other - For Work Expenses	-	-
2. Long Term Advances to employees: (Interest bearing)	-	-
a) Vehicle loan	-	-
b) Home loan	-	-
c) Others (to be specified)	-	-
3. Advances and other amounts recoverable in cash or in kind or for value to be received:	4,71,78,930.00	12,55,51,649.00
a) On Capital Account (CPWD Mobilization Advance)	4,71,78,930.00	12,55,51,649.00
b) to Suppliers	-	-
c) Others	-	-
4. Prepaid Expenses	41,729.00	31,277.00
a) Insurance	22,541.00	21,234.00
b) Other expenses	19,188.00	10,043.00
5. Deposits	5,64,671.00	5,61,544.00
a) Telephone	13,716.00	12,439.00
b) Lease Rent	-	-
c) Electricity	3,82,855.00	3,82,855.00
d) A/C TE, if applicable	-	-
e) Others (to be specified)	1,68,100.00	1,66,250.00
6. Income Accrued:	6,36,06,160.00	1,66,09,702.00
a) On Investments from Earmarked/ Endowment Funds	6,36,06,160.00	1,66,09,702.00
b) On Investments- Others	-	-
c) On Loans and Advances	-	-
d) Other (includes income due unrealized)	31,045.00	-
7. Other- Current assets receivable from UGC/sponsored projects	-	-
a) Debit balances in Sponsored Projects	-	-
b) Debit balances in Sponsored Fellowships & Scholarships	-	-
c) Grants Receivable TSA	3,26,873.00	30,90,743.00
d) Other Receivables	8,84,624.00	8,80,224.00
8. Claims Receivable	11,26,02,987.00	14,67,25,139.00
TOTAL		



Deepa

Lalit Kumar Awasthi

DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

Dr. Dharmendra Tripathi

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2023

SCHEDULE 9-ACADEMIC RECEIPTS

(Amount in Rupees)

FEES FROM STUDENTS	Current year		Previous year	
Academic		2,58,58,091.00		3,00,42,791.00
1. Tuition fee	2,45,49,091.00		2,84,99,191.00	
2. Book Bank Fees	4,69,000.00		5,96,000.00	
3. Examination Fees	8,40,000.00		9,47,600.00	
Other Fees		1,66,02,261.00		1,19,19,491.00
1. Seat Rent	50,20,182.00		10,57,414.00	
2. Hostel Receipts	5,37,200.00		5,80,464.00	
3. Transcript Fees	19,600.00		12,800.00	
4. Convocation Fees	2,39,500.00		1,77,000.00	
5. Security Services Fees	15,90,085.00		14,45,466.00	
6. Misc. Fees- Duplicate Documents Fees	1,300.00		-	
7. Thesis Submission Fees	75,000.00		5,000.00	
8. Alumni Association Fees	2,65,000.00		90,500.00	
9. Student Related Activity Fees	26,25,000.00		29,30,500.00	
10. Development Fees	34,00,000.00		36,24,000.00	
11. ID Card Charges	18,200.00		20,200.00	
12. IRG Electricity and Water	25,20,100.00		5,55,134.00	
13. Admission Cancellation Fees	-		-	
14. Late Fees Charges	1,19,300.00		36,000.00	
15. Misc. Academic Income	22,794.00		20,013.00	
16. PhD Application Fees	80,000.00		35,000.00	
17. PhD Registration Fees	65,000.00		13,30,000.00	
18. Education Verification Fees	4,000.00		-	
TOTAL		4,24,60,352.00		4,19,62,282.00

(Signature)

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



(Signature)
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2023

SCHEDULE 10- GRANTS /SUBSIDIES (IRRECOVERABLE GRANTS RECEIVED)

(Amount in Rupees)

Particulars	Plan		Current Year	Previous Year
	Govt. of India			
Balance B/F			36,99,12,502.00	42,09,06,450.00
Add: Receipts during the Year				
i) Grant-in-Aid (TSA)	27,55,00,000.00		27,55,00,000.00	14,89,01,000.00
ii) Grant-in-Aid (TSA) for HEFA Loan Principal Repayment	29,67,16,500.00		29,67,16,500.00	
Total Grant-in-Aid Receipts (TSA)	57,22,16,500.00		57,22,16,500.00	14,89,01,000.00
iii) Grant Receivable by TSA previous year	(30,90,743.00)		(30,90,743.00)	-
iv) Grant-in-Aid without TSA	-		-	7,69,00,000.00
v) Interest Earned	45,29,475.00		45,29,475.00	86,57,957.00
vi) Grant Receivable by TSA	-		-	30,90,743.00
Total	57,36,55,232.00		94,35,67,734.00	65,84,56,150.00
Less: Refund to MHRD (Interest)			2,51,49,636.00	1,48,86,000.00
Total Grants Available			91,84,18,098.00	64,35,70,150.00
Less: Utilised for Capital expenditure (A)			22,20,14,323.00	1,14,79,174.00
Balance			69,64,03,775.00	63,20,90,976.00
Less: Utilized for Revenue Expenditure (B)			24,67,26,685.00	23,82,11,526.00
Gross Amount			44,96,77,090.00	39,38,79,450.00
Unutilized Grant-in-Aid pull back by TSA			4,77,52,787.00	2,39,66,948.00
Balance C/F (C)			40,19,24,303.00	36,99,12,502.00

A- Appears as addition to capital fund as well as additions to Fixed Assets during the year.

B- Appears as income in the income & Expenditure Account.

C-(I) Appears under Current Liabilities in the Balance Sheet and will become the opening balance next year.

(II) Represented by Bank balance, Investments and Advances on the assets side.

Note: Unutilized Grant-in-Aid includes CPWD mobilization advance of Rs. 4,71,78,930/-



I/c REGISTRAR
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PLACE: SRINAGAR GARHWAL

DATED: MAY 30, 2023




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NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2023

SCHEDULE 11- INCOME FROM INVESTMENTS

(Amount in Rupees)

Particulars	Earmarked/Endowment Funds		Other Investments	
	Current Year	Previous Year	Current Year	Previous Year
1. Interest				
<i>a. On Government Securities</i>	-	-	-	-
<i>b. Other Bonds/Debentures</i>	-	-	-	-
2. Interest on Term Deposits	4,46,71,751.00	2,92,71,035.00	-	-
3. Income accrued but not due on term deposits/ Interest bearing advances to employees	-	-	-	-
4. Interest on Savings Bank Accounts	-	-	-	-
5. Others (Specify)	-	-	-	-
Total	4,46,71,751.00	2,92,71,035.00	-	-
Transferred to Earmarked/Endowment Funds				
Balance	4,46,71,751.00	2,92,71,035.00	-	-


I/c REGISTRAR
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PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023




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**NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR 31st MARCH, 2023**

SCHEDULE 12: INTEREST EARNED

		(Amount in Rupees)	
Particulars	Current Year	Previous Year	
1. On Savings Accounts with Scheduled banks	37,34,222.00	1,06,91,005.00	
2. On Loans	-	-	
a. Employees/ Staff	-	-	
b. Others	-	-	
3. On Debtors and Other Receivables	-	-	
Total	37,34,222.00	1,06,91,005.00	

Note:

1. The amount against item 1, in respect of Bank Accounts of Earmarked/Endowment Funds is dealt with in Schedule 11 (First Part) and Schedule 2.
2. Items 2(a) is applicable only if revolving funds have not been constituted for such advances.



I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023





DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2023

SCHEDULE 13 - OTHER INCOME

(Amount in Rupees)

	Current Year	Previous Year
1. Recruitment Fees	5,48,350.00	-
2. RTI Fees	100.00	64.00
3. Tender Fees	35,500.00	3,000.00
4. Sale of Application Form (Recruitment)	-	-
5. Misc. Receipts	4,76,087.00	9,000.00
6. Profit on Sale/ disposal of Assets	-	-
<i>a) Owned assets</i>	-	-
<i>b) Assets received free of cost</i>	-	-
7. Grants/ Donations from Institutions, Welfare Bodies and International Organizations	-	-
8. License Fee	-	-
9. Others - Forfeiture of Security Deposits	-	-
10. Vendor Registration Fees	-	-
11. Lab Facility Charges	-	-
12. Notice Pay Received	-	-
13. Sponsorship AIINIT Sports	-	-
14. Excess & Short	-	17,252.00
15. Student Medical Insurance Charges	3,29,260.00	1,03,400.00
16. Workshop Fees	2,02,740.00	-
17. Infrastructure Receipts from NTA	15,92,037.00	1,32,716.00
Total		

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I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

D. Deep



Director
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2023

SCHEDULE 14 - PRIOR PERIOD INCOME

(Amount in Rupees)

Particulars	Current Year	Previous Year
1. Academic Receipts	-	-
2. Income from Investments	-	-
3. Interest earned	-	-
4. Other Income	-	-
Total	-	-

[Signature]

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



[Signature]

DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2023
SCHEDULE 15 - STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

(Amount in Rupees)

Particulars	Current Year		Previous Year	
	Plan	Non Plan	Plan	Non Plan
a) Salaries and Wages	15,64,36,964.00	-	14,25,85,327.00	14,25,85,327.00
Teaching Staff	11,82,22,504.00	-	10,90,00,688.00	10,90,00,688.00
Non-Teaching Staff	3,64,84,530.00	-	3,33,68,106.00	3,33,68,106.00
Earned Leave Encashment	17,29,930.00	-	2,16,533.00	2,16,533.00
b) Allowances and Bonus	25,49,271.00	-	21,06,814.00	21,06,814.00
Teaching Staff	-	-	-	-
Non-Teaching Staff	-	-	-	-
D.A. Arrears	18,73,593.00	-	9,91,194.00	9,91,194.00
Bonus	-	-	-	-
Cumulative Professional Development Allowance (CPDA)	6,75,678.00	-	11,15,620.00	11,15,620.00
c) Contribution to Provident Fund	-	-	-	-
d) Contribution to Other Fund	-	-	-	-
e) Leave Salary & Pension Contribution	9,67,788.00	-	1,24,488.00	1,24,488.00
f) Staff welfare Expenses	-	-	-	-
g) Retirement and Terminal Benefits	1,86,87,662.00	-	1,69,62,664.00	1,69,62,664.00
h) LTC Facility	8,66,174.00	-	19,76,493.00	19,76,493.00
i) Medical facility	26,47,946.00	-	23,58,106.00	23,58,106.00
Medical And Dispensary	1,77,204.00	-	2,49,460.00	2,49,460.00
Medical Reimbursement/Healthcare	24,70,742.00	-	21,08,646.00	21,08,646.00
j) Children Education Allowance	16,22,440.00	-	15,39,000.00	15,39,000.00
k) Honorarium	60,520.00	-	62,844.00	62,844.00
l) Consultancy/Professional Charges	-	-	3,36,261.00	3,36,261.00
m) Others (specify)	-	-	-	-
Total	18,38,38,765.00	-	16,80,51,997.00	16,80,51,997.00

In REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



DIRECTOR
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NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31ST MARCH, 2023

SCHEDULE 16 - ACADEMIC EXPENSES

Particulars	Current Year		Previous Year		(Amount in Rupees)
	Plan	Non Plan	Plan	Non Plan	
	Total	Total	Total	Total	
a) Laboratory Expenses	5,63,530.00	-	5,63,530.00	-	3,74,456.00
b) Field work/Participation in Conferences	8,95,464.00	-	8,95,464.00	-	2,96,565.00
c) Expenses on Seminars/Workshops	16,97,147.00	-	16,97,147.00	-	7,45,652.00
d) Payment to Visiting faculty	-	-	-	-	-
e) Examination	6,00,056.00	-	6,00,056.00	-	2,02,750.00
f) Student Welfare expenses	-	-	-	-	-
g) Admission Expenses	8,021.00	-	8,021.00	-	-
h) Convocation Expenses	16,37,900.00	-	16,37,900.00	-	5,33,519.00
i) PhD Scholars	2,08,90,332.00	-	2,08,90,332.00	-	2,08,24,949.00
j) Stipend/means-cum-merit Scholarship	38,85,537.00	-	38,85,537.00	-	89,76,013.00
k) Subscription Expenses	-	-	-	-	-
l) Other	7,86,348.00	-	7,86,348.00	-	91,588.00
i) Sports Consumables/Tours	5,60,615.00	-	5,60,615.00	-	44,088.00
ii) Curriculum Development	-	-	-	-	-
iii) Survey & Project Camp	1,80,993.00	-	1,80,993.00	-	-
iv) Training & Placement Exp.	20,000.00	-	20,000.00	-	47,500.00
v) Training Teachers PhD Tuition Fees	5,600.00	-	5,600.00	-	-
vi) Student Related Expenses	19,140.00	-	19,140.00	-	-
vii) NCC/NSS	3,09,64,335.00	-	3,09,64,335.00	-	3,20,45,492.00
Total	3,09,64,335.00	-	3,09,64,335.00	-	3,20,45,492.00



Dr. Dharmendra Tripathi

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

Prof. Lalit Kumar Awasthi
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2023
SCHEDULE 17- ADMINISTRATIVE AND GENERAL EXPENSES

(Amount in Rupees)

Particulars	Current year		Total	Previous year		Total
	Plan	Non Plan		Plan	Non Plan	
A. Infrastructure	37,40,533.00	-	37,40,533.00	16,66,550.00	-	16,66,550.00
a) Electricity and power	28,84,959.00	-	28,84,959.00	11,82,351.00	-	11,82,351.00
b) Water charges	3,78,642.00	-	3,78,642.00	3,22,752.00	-	3,22,752.00
c) Insurance	-	-	-	-	-	-
d) Rates and Taxes (including property tax)	6,000.00	-	6,000.00	6,000.00	-	6,000.00
e) Building Rent	2,17,280.00	-	2,17,280.00	-	-	-
f) Generator Running expenses	2,53,652.00	-	2,53,652.00	1,55,447.00	-	1,55,447.00
B. Communication	6,34,907.00	-	6,34,907.00	4,40,053.00	-	4,40,053.00
g) Postage and Telegram	1,23,949.00	-	1,23,949.00	1,02,285.00	-	1,02,285.00
h) Telephone, Fax and Internet Charges	5,10,958.00	-	5,10,958.00	3,37,768.00	-	3,37,768.00
C. Others	4,54,03,403.00	-	4,54,03,403.00	3,51,13,285.00	-	3,51,13,285.00
i) Printing and Stationery (consumption)	-	-	-	-	-	-
j) Computer Consumables	16,55,083.00	-	16,55,083.00	1,75,500.00	-	1,75,500.00
k) Printing & Stationery	6,23,603.00	-	6,23,603.00	2,02,105.00	-	2,02,105.00
l) Travelling and conveyance Expenses	10,17,688.00	-	10,17,688.00	6,72,475.00	-	6,72,475.00
m) Hospitality	1,13,468.00	-	1,13,468.00	21,685.00	-	21,685.00
n) Auditors Remuneration	-	-	-	-	-	-
o) Professional Charges	3,45,000.00	-	3,45,000.00	-	-	-
p) Advertisement and Publicity	1,99,176.00	-	1,99,176.00	-	-	-
q) Newspapers & Periodicals (Magazines & Journals)	19,693.00	-	19,693.00	7,902.00	-	7,902.00
r) Others Utilities (Staff Welfare)	-	-	-	-	-	-
s) Security Services	1,75,18,106.00	-	1,75,18,106.00	1,55,96,214.00	-	1,55,96,214.00
t) U/keep & Sanitation	1,88,26,171.00	-	1,88,26,171.00	1,59,89,713.00	-	1,59,89,713.00
q) Others	-	-	-	-	-	-
r) NIT Transit House	7,00,000.00	-	7,00,000.00	31,989.00	-	31,989.00
s) Other Consumables	4,59,106.00	-	4,59,106.00	-	-	-
t) Misc. Expenses	560.00	-	560.00	10,21,756.00	-	10,21,756.00
u) Board & Committee Meeting	8,16,468.00	-	8,16,468.00	4,89,169.00	-	4,89,169.00
v) CRA Service Charges	18,717.00	-	18,717.00	19,192.00	-	19,192.00
w) Legal Expenses/ Audit fees	87,120.00	-	87,120.00	3,02,426.00	-	3,02,426.00
x) Natural Events & Celebration	3,24,506.00	-	3,24,506.00	89,275.00	-	89,275.00
y) Staff Welfare	9,54,758.00	-	9,54,758.00	3,56,171.00	-	3,56,171.00
z) Spic Macey Expenses	-	-	-	-	-	-
aa) Office Consumables	-	-	-	-	-	-
ab) Audit Expenses	3,72,056.00	-	3,72,056.00	66,656.00	-	66,656.00
ac) Other Expenses	10,756.00	-	10,756.00	4,577.00	-	4,577.00
ad) Horticulture Expenses	23,146.00	-	23,146.00	-	-	-
ae) Staff Recruitment	13,18,222.00	-	13,18,222.00	66,500.00	-	66,500.00
Total	4,97,78,843.00	-	4,97,78,843.00	3,72,19,888.00	-	3,72,19,888.00

The REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL,
DATED: MAY 30, 2023





(PROF. LALIT KUMAR AWASTHI)
DIRECTOR





NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2023

SCHEDULE 18 - TRANSPORTATION EXPENSES

(Amount in Rupees)

Particulars	Current Year			Previous year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
	1. Vehicles (owned by institution)	6,42,506.00	-	6,42,506.00	2,56,093.00	-
a) <i>Running Expenses</i>	3,68,074.00	-	3,68,074.00	1,72,026.00	-	1,72,026.00
b) <i>Repairs & Maintenance</i>	2,49,588.00	-	2,49,588.00	84,067.00	-	84,067.00
c) <i>Insurance Expenses</i>	24,844.00	-	24,844.00	-	-	-
2. Vehicles taken on rent/lease	-	-	-	2,000.00	-	2,000.00
a) <i>Rent/lease Expenses</i>	-	-	-	2,000.00	-	2,000.00
3. Vehicle (Taxi) Hiring Expenses	24,990.00	-	24,990.00	-	-	-
Total	6,67,496.00	-	6,67,496.00	2,58,093.00	-	2,58,093.00

(Signature)

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



(Signature)

DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF INCOME EXPENDITURE FOR THE YEAR ENDED 31ST MARCH, 2023

SCHEDULE 19 - REPAIRS & MAINTENANCE

(Amount in Rupees)

Particulars	Current Year			Previous year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Buildings	5,18,933.00	-	5,18,933.00	4,81,870.00	-	4,81,870.00
i) Civil Maintenance	2,04,592.00	-	2,04,592.00	1,26,451.00	-	1,26,451.00
ii) Electrical Maintenance	2,40,582.00	-	2,40,582.00	84,848.00	-	84,848.00
iii) Hostel Maintenance	73,759.00	-	73,759.00	2,70,571.00	-	2,70,571.00
iv) Other Maintenance (Sewage & Water pump)	-	-	-	-	-	-
b) Furniture & Fixtures	-	-	-	-	-	-
c) Plant & Machinery	9,550.00	-	9,550.00	-	-	-
i) Diesel, Petrol & Oil	-	-	-	-	-	-
ii) Repair of Equipments	9,550.00	-	9,550.00	-	-	-
d) Office Equipment	93,982.00	-	93,982.00	33,382.00	-	33,382.00
e) Computers	1,38,348.00	-	1,38,348.00	14,220.00	-	14,220.00
f) Laboratory & Scientific equipment	-	-	-	-	-	-
g) Audio Visual equipment	-	-	-	-	-	-
h) Cleaning Material & Services	-	-	-	-	-	-
i) Hostel Equipments	-	-	-	-	-	-
j) Gardening	-	-	-	-	-	-
k) Estate Maintenance	-	-	-	-	-	-
l) Other (Specify)	-	-	-	-	-	-
m) Website Charges	84,635.00	-	84,635.00	18,081.00	-	18,081.00
n) Sports Equipment	18,956.00	-	18,956.00	-	-	-
o) Annual Maintenance Contract (AMC)	93,850.00	-	93,850.00	-	-	-
Total	9,58,254.00	-	9,58,254.00	5,47,553.00	-	5,47,553.00

Deepali

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



(PROF. LALIT KUMAR AWASTHI)

DIRECTOR

Lalit




NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2023

SCHEDULE 20 - FINANCE COSTS

Particulars	(Amount in Rupees)					
	Current Year		Total	Previous Year		Total
	Plan	Non Plan		Plan	Non Plan	
a) Bank charges	22,248.00	-	22,248.00	4,900.00	-	4,900.00
b) Other (Interest on Loan)	-	-	-	-	-	-
Total	22,248.00	-	22,248.00	4,900.00	-	4,900.00

Note:-If the amount is not material, the head Bank charges could be omitted and these could be accounted as Administrative expenses


I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023




DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2023
SCHEDULE 21- OTHER EXPENSES

(Amount in Rupees)

Particulars	Current Year			Previous Year		
	Plan	Non Plan	Total	Plan	Non Plan	Total
a) Provision for Bad and Doubtful debts/Advances	-	-	-	-	-	-
b) Irrecoverable Balances Written-off	-	-	-	-	-	-
c) Grants/Subsidies to other Institutions/Organizations	-	-	-	-	-	-
d) Other(specify)	-	-	-	-	-	-
Total	NIL	NIL	-	NIL	NIL	-

H. P. Tiwari

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023



Deep Ale

DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

Lalit Kumar Awasthi



NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2023

SCHEDULE 22: PRIOR PERIOD EXPENSES

(Amount in Rupees)

Particulars	Current Year		Previous Year		Total
	Plan	Non Plan	Plan	Non Plan	
1 Establishment Expenses	-	-	78,000.00	-	78,000.00
2 Academic Expenses	78,559.00	-	-	-	-
3 Administrative Expenses	56,27,733.00	-	5,603.00	-	5,603.00
4 Transportation Expenses	-	-	-	-	-
5 Repairs & Maintenance	-	-	-	-	-
6 Other Expenses	-	-	-	-	-
Total	57,06,292.00	-	83,603.00	-	83,603.00

(Signature)
I/c REGISTRAR

(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL

DATED: MAY 30, 2023

(Signature)



(Signature)

DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED ON 31st MARCH, 2023

RECEIPTS		Current Year	Previous Year	PAYMENTS		Current Year	Previous Year
I. Opening Balances				I. Expenses			
a) Cash Balances				a) Establishment Expenses		1,20,83,273.50	1,84,05,929.00
b) Bank Balances	24,38,91,149.74	18,56,16,795.00	20,37,011.00	b) Academic Expenses	58,59,129.00	58,37,253.00	
SBI CA NO. 31091775379	4,75,631.00	20,37,011.00	3,32,929.00	c) Administrative Expenses	15,49,617.00	10,49,581.00	
SBI TECH-III 37843015175	6,97,333.00	3,32,929.00	6,15,947.00	d) Transportation Expenses	45,00,564.00	1,14,69,475.00	
SBI SAE CLUB 37933821967	-	-	1,239,20,884.00	e) Repairs & Maintenance	85,627.00	-	
SBI SA NO 37530566069	-	-	1,05,24,956.00	D & K Relief (deductions from Salaries)	41,412.00	10,630.00	
SBI SA NO 37530602667	19,18,14,679.17	3,66,30,587.82	6,88,947.00	f) Prior period Expenses	31,689.00	39,000.00	
SBI SA NO 37530603682	3,66,30,587.82	7,07,738.75	91,10,576.00	g) Finance Cost	5,444.50	-	
SBI SB NO 37530603172 (R&D)	1,35,23,436.00	1,35,23,436.00	7,48,124.00				
SBI SB NO 37530603682 (SMDP)	-	-	11,69,551.00				
INDIAN BANK 50511577145	41,744.00	11,69,551.00	3,58,17,840.00				
ICICI SA NO. 676801701094	-	-	-				
ICICI SA NO. 676801701095	-	-	-				
TSA RBI CA NO. 10682501001	-	-	-				
ESCROW 3 HEFA LOAN PRINCIPAL PAYMENT A/C	-	-	-				
ESCROW 4 HEFA LOAN INTEREST PAYMENT A/C	-	-	-				
II. Grants Received				II. Payments against Earmarked/Endowment Funds			
a) From Government of India				Plan Grant (Refund of intt on GIA)	16,96,622.00	8,63,514.00	
Plan Grant	57,22,16,500.00	22,58,01,000.00		Hostel welfare fund	7,29,02,423.00	3,88,52,948.00	
Other Funds/ Earmarked funds)				Other Fund (Designated/Earmarked)	-	-	
Corpus fund:				Corpus fund	1,36,236.00	7,47,050.00	
b) From State Government				Capital fund			
c) From other sources (details)							
(Grants for capital & revenue exp. to be shown separately, if available)							
III. Academic Receipts (From students)	7,45,20,126.00	5,39,81,909.72					
IV. Receipts against Earmarked/ Endowment Funds	20,24,779.00	3,44,261.00					
V. Receipts against Sponsored Projects/ R&D	59,11,779.00	93,80,173.00					
VI. Receipts against sponsored Fellowships and	-	-					
				III. Payments against Sponsored Projects/ R&D	65,35,524.50	57,15,435.50	
				IV. Payment against Sponsored Fellowships/Scholarships	2,26,40,739.00	2,72,28,350.00	
				V. Investment and Deposits made	-	89,00,00,000.00	
				a) Out of Earmarked / Endowments Funds			
				b) Out of own fund (Investment- Others)			
				VI. Term Deposits with Scheduled Banks			

JG REGISTRAR
DR. DHARMENDRA TRIPATHI
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023




DIRECTOR
PROF. LALIT KUMAR AWASTHI



ANNUAL REPORT 2022-23



RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
VII. Income on Investment from General, Earmarked & Other	-	5,26,55,637.00	VII. Expenditure on Fixed Assets and Capital Works-in-Progress	-	99,94,190.00
			a) Fixed Assets		
			b) UP Rajkiya Nirman Nigam (WIP)		
VIII. Interest received on			VIII. Other Payments including	8,77,184.00	-
a) Bank Deposits			EMD	5,48,675.00	-
b) Loans and Advances			Security Deposit	5,87,96,417.00	4,99,93,785.00
c) Savings Bank Accounts	38,04,524.00	1,06,51,015.00	Statutory Liabilities	12,13,66,955.70	11,09,37,273.00
			Other Liabilities		
			Fees		
			Central Seat allocation board		
IX. Investments Encashed	-	89,80,67,289.00	IX. Refunds of Grants	1,63,00,793.72	43,11,183.00
			Deposited from students		
			Deposited from Staff		
X. Term Deposit with Scheduled Banks encashed			Electricity Security Deposited		
XI. Other Income	5,06,773.60	1,15,477.00	X. Deposits and Advances		13,34,161.00
Salaries Waives & Other			XI. Other Payments		
			Recoverable Advance		
			Lease line (PrePaid Exp.)	24,79,21,989.94	12,54,54,571.48
			Others		
XII. Deposits and Advances	81,860.00	-			
Security Deposit	11,12,884.00	-	XII. Closing balances		
EMD			a) Cash in hand		
Deposits from Students	60,369.00	2,22,500.00	b) Bank Balances	38,57,77,192.44	24,38,91,149.74
			SBI CA NO. 31091775379	8,36,419.00	4,75,631.00
			SBI TEQIP-III 37843015175	2,20,261.50	6,97,333.00
			SBI SAE CLUB 37933821967		
XIII. Miscellaneous Receipts including	2,04,116.00	1,24,352.00	SBI SA NO 37530560609		
Fees & Statutory Receipts			SBI SA NO 37530602667	1,33,25,891.09	19,18,14,679.17
XIV. Any Other Receipts			SBI SA NO 37530603682	2,80,39,985.60	3,66,30,587.82
Scholarship			SBI SA NO 37530603172 (R&D)	7,27,041.75	7,07,738.75
Statutory Liabilities			SBI SB NO 37357884648 (SMDP)	1,28,99,690.50	1,35,23,436.00
CSAB Fund	10,06,580.00	5,28,447.00	INDIAN BANK 5051157145		
Recoverable Advances	7,83,369.46	10,58,168.00	ICICI SA NO. 676801701094	42,903.00	41,744.00
Provisions	54,000.00	25,000.00	ICICI SA NO. 676801701095		
Other Receipts	4,07,97,221.00	6,07,56,788.00	TSA RBI CA NO. 10682501001		
			ESCROW 3 HEFA LOAN PRINCIPAL PAYMENT A/C	32,96,85,000.00	
			ESCROW 4 HEFA LOAN INTEREST PAYMENT A/C		
TOTAL	94,75,84,005.80	1,52,77,29,539.72	TOTAL	94,75,84,005.80	1,52,77,29,539.72



(Signature)

IC REGISTRAR
(DR. DHARMENDRA TRIPATHI)
PLACE: SRINAGAR GARHWAL
DATED: MAY 30, 2023

(Signature)
DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

SCHEDULES FORMING PART OF THE ACCOUNTS

SCHEDULE: 23

SIGNIFICANT ACCOUNTING POLICIES

1. BASIS FOR PREPARATION OF ACCOUNTS

The accounts are prepared under the Historical Cost Convention unless otherwise stated and generally on the Accrual method of accounting.

2. REVENUE RECOGNITION

2.1 Fees from Students (except Tuition Fees), Sale of Admission Forms, Royalty and Interest on Savings Bank account are accounted on cash basis. Tuition Fees collected separately for each semester is accounted on accrual basis.

2.2 Income from Interest on Investments is accounted for on an accrual basis.

3. FIXED ASSETS AND DEPRECIATION

3.1 Fixed assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition, installation, and commissioning.

3.2 The institute adopted Straight Line Method for writing off Depreciation as required in the revised format. The revised rate of Depreciation now prescribed is adopted as per MHRD letter no 29-4/2012-IFD dated 17th April 2015. The rates are as follows:

<u>Tangible Assets</u>	
1. Land	0%
2. Site Development	0%
3. Buildings	2%
4. Roads & Bridges	2%
5. Tube wells & Water Supply	2%
6. Sewerage & Drainage	2%
7. Electrical Installation and equipment	5%

8. Plant & Machinery	5%
9. Scientific & laboratory Equipment	8%
10. Office Equipment	7.5%
11. Audio Visual Equipment	7.5%
12. Computers & Peripherals	20%
13. Furniture, Fixtures & Fittings	7.5%
14. Vehicles	10%
15. Lib. Books & Scientific Journals	10%

Intangible Assets (amortization):

1. E-Journals 40%
2. Computer Software 40%
3. Patents and Copyrights 9 years

3.3 Depreciation is provided for the whole year on additions during the year.

3.4 Where an asset is fully depreciated, it will be carried at a residual value of Rs.1 in the Balance Sheet and will not be further depreciated. Thereafter, depreciation is calculated on the additions of each year separately at the rate of depreciation applicable for the asset head.

3.5 Assets created out of Earmarked Funds and funds of Sponsored Projects, where the existence of such assets vests in the Institution, are setup by credit to respective Project Fund. Assets created out of Sponsored Project funds, where the ownership is retained by the sponsors but held and used by the institution are separately disclosed in the Notes on Accounts.

3.6 Assets, the individual value of each of which is Rs.2000.00 or less (except Library Books) are treated as Small Value Assets, 100% depreciation is provided in respect of such assets at the time of their acquisition. However physical accounting and control continued by the holders of such assets.

4. INTANGIBLE ASSETS

4.1 E-Books/Journals and Computers Software are grouped under Intangible Assets.

4.2 Electronic Books/Journals (E- Books/Journals) are separated from library Books in view of the limited benefit that could be derived from the online access provided. E-journals are not in a tangible form, but temporarily capitalized and



in view of the magnitude of expenditure and the benefit derived terms of perpetual knowledge acquired by the Academic and Research Staff, Depreciation is provided in respect of E- journals at a higher rate of 40% as a higher rate of 40% as against depreciation of 10% provided in respect of Library Books.

4.3 Expenditure on acquisition of software has been separated from computers and peripherals, as apart from being intangible assets, the rate of obsolescence in respect of these is very high. Depreciation is provided in respect of software at a higher rate of 40 % as against depreciation of 20 % provided in respect of Computers & Peripherals.

5. STOCKS

Expenditure on purchase of chemicals, glassware and other consumable store is accumulated as revenue expenditure, except that the value of closing stock held on 31st March 2023 is setup as closing stock by reducing the corresponding revenue expenditure based on information obtained from Sections/Departments. They are valued at cost.

6. RETIREMENT BENEFITS

6.1 Employee benefits under defined contribution plans comprising New Pension Scheme (NPS) are recognized and charged to revenue based on actual liabilities.

6.2 Provision for liability towards NPS of employees as on 31st March 2023 has been made.

6.3 Retirement terminal benefits of Rs. 9,34,459.00 is the amount received from All India Institute of Ayurveda (Deputation), Survey of India (Previous Employer) and DSIIIDC, Delhi (Deputation) for employees of the Institute.

7. INVESTMENTS

Institute has invested the temporary surplus funds as per the directives and guidelines of Govt. of India, MHRD on the subject. Investments are stated at cost. However, any interest accrued in their value as on the date of the Balance Sheet is provided for.

8. DESIGNATED/EARMARKED/ENDOWMENT FUNDS

8.1 This Fund is created from designated fees received from the students for the exclusive purpose of student specific activities.

8.2 The Fees received from Students as "Alumni Fees" are also accounted as "Alumni Fund" and shown under Earmarked Fund.



- 8.3 Funds received from the scheme of Direct Admission of Students Abroad- DASA (SAARC/NON-SAARC countries) from MHRD are classified as Earmarked Fund in view of the conditions attached for expenditure therefrom.
- 8.4 Funds received from Central Seat Allocation Board/Centralized Counseling for M.TECH./M.ARCH./M.PLAN. Admissions used for the admission counseling of students for allocation of seats for Bachelor/PG courses.
- 8.5 TEQIP-III fund comprises Sustainability Fund @8% of the revenue of the Institute for ongoing maintenance and development of the Institute once the project period of TEQIP-III ended, fee collected for organizing various workshops under TEQIP-III and IEEE fund related to IEEE Student Chapter, NIT Uttarakhand which is utilized to promote student technical activities in the field of engineering and to organize distinguished lectures/Mini-colloquial.
- 8.6 MGNREGA Funds received from Department of Rural Development, Uttarakhand Govt. which is utilized for Time and Motion Study under MGNREGA.
- 8.7 R&D and Projects are shown under Schedule 2A in the Sources of Funds and Schedule 4D & 7A in the Application of Funds of the Balance Sheet.

9. CORPUS FUND

This fund is in the nature of Endowment Fund created out of IRG and other designated and set aside funds. During the current year the amount of Rs. 2.55 Crore is set aside from surplus and transferred to Corpus Fund. No part of Grant-in-aid is included in the Surplus.

10. GOVERNMENT GRANTS

Grant-in-aid is sanctioned as a grant for acquisition of capital assets, general activity and for salary. It is further divided into grant for SC & ST promotions. Therefore, the Grant is accounted for the classification in which the same is sanctioned. The expenditure from these Grants is appropriated in proportion to the ratio of number of SC and ST students to the aggregate number of students. Thus, Salary and General Grant is appropriated and depicted as Income in the Income and Expenditure account and charged off from Grant Account. Similarly, expenditure on account of acquisition of assets is charged off in Grant Account in the same proportion (SC/ST students: Aggregate number of Students) and transferred to Capital Account. The remaining amount either Surplus or Deficiency is indicated as Current Liability in the Balance Sheet as per MHRD guidelines.



11. SPONSORED PROJECTS

11.1 In respect of ongoing sponsored projects, the amount received from the sponsors are credited to the head "Current Liabilities & Provisions".

11.2 Some Scholarships paid from the sponsored projects are accounted in the same way as sponsored projects.

12. INCOME TAX

The income of the Institution is exempt from Income Tax under Section 10 (23C) (iiab) of the Income Tax Act. No provision for Income Tax is therefore made in the accounts.



I/C REGISTRAR
(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: 30/05/2023



DIRECTOR
(PROF. LALIT KUMAR AWASTHI)





5. EXPENDITURE IN FOREIGN CURRENCY

During the year the Institute has made transactions of US DOLLARS \$7300/- which is recorded at INR Rs. 5,98,205.00 (includes bank charges of Rs. 12677.00) transactions denominated in foreign currencies are recorded at the exchange rate prevailing on the date of transaction/GOC Rates/Bank Rates as the case may be.

a. Travel	:	Nil
b. Foreign Drafts for import of chemicals etc.	:	Nil
c. Others.	:	Rs. 5,98,205.00

6. CURRENT ASSETS, ADVANCES AND DEPOSITS

These Current Assets, Advances and Deposits have a value on realization in the ordinary course equal at least to the aggregate amount shown in the Balance Sheet.

Prepaid Expenses amounting to Rs. 41,729/- have been incurred during the year.

7. R&D AND PROJECT ACCOUNTS

Separate schedules for Earmarked funds and Current Assets, Fixed Assets have been made for R&D Projects and Consolidated with the Institute's Annual Financial Statement.

8. SAR OBSERVATIONS AND ACTIONS TAKEN THEREON:

Fixed Assets (Schedule-4)

Capital Work in progress amounting to Rs.3.46 Crores have been capitalized and depicted under the head "Site Development".

Other Income (Sch-13)

Workshop Fee earlier shown under the head "Other Income" now shown under "Academic Receipts" as suggested in Statutory Audit report of last year.





Establishment Expenses (Sch-15)

Consultancy & professional Expenses related to Audit consultancy and TDS earlier shown under the head "Establishment Expenses (Schedule 15)" now shown as "Professional Charges" under the head "Administrative and General Expenses (Schedule 17)" as suggested in Statutory Audit Report of last year.

9. Figures in the final accounts have been rounded off to the nearest rupee wherever it was necessary.
10. Schedules 1 to 24 are annexed to and form an integral part of the Balance Sheet on 31st March 2023 and the Income & Expenditure account for the year ended on that date.

I/c REGISTRAR
(DR. DHARMENDRA TRIPATHI)

PLACE: SRINAGAR GARHWAL
DATED: 30/05/2023



DIRECTOR
(PROF. LALIT KUMAR AWASTHI)

DEEP ALE & ASSOCIATES

Chartered Accountants



To,
The Registrar,
National Institute of Technology Uttarakhand,
Srinagar (Garhwal), Uttarakhand

Dear Sir,

Re: Accountant's Report on the Compilation of Financial Statements of **National Institute of Technology, Uttarakhand, Srinagar (Garhwal), Uttarakhand** for the year ended 31 March 2023.

We have Compiled the attached Balance Sheet of **National Institute of Technology Uttarakhand, Srinagar (Garhwal), Uttarakhand** as at 31 March 2023 and related Income & Expenditure Account along with Receipts & Payments Accounts for the year ended on that date annexed thereto.

These financial statements are the responsibility of the management. The management is responsible for:-

- i. Completeness and accuracy of the underlying data and complete disclosure of all material and relevant information to the accountants.
- ii. Maintaining adequate accounting and other records and internal control and selecting and applying appropriate accounting policies.
- iii. Preparation and presentation of financial statements in accordance with the applicable laws and regulations, if any.
- iv. Establishing controls to safeguard the assets of the entity and preventing and detecting frauds or other irregularities:
- v. Establishing controls for ensuring that the activities of the entity are carried out in accordance with the applicable laws and regulations and preventing and detecting any non-compliance.

The compilation engagement was carried out by us in accordance with the Standard on Related Services (SRS)4410, "Engagements to compile Financial Information", issued by the ICAI. We report that:-

- 1) The statement of accounts dealt with this report are in agreement with the books of account.
- 2) We have not audited or reviewed these financial statements and accordingly express no opinion thereon.



Place: Srinagar (Garhwal)
Date: May 30th, 2023

FOR DEEP ALE & ASSOCIATES
Chartered Accountants
Firm Reg. No- 032441C

Deep Ale
Proprietor
Membership No- 458443

Address : Vijaypur Hathibarkala, Dehradun – 248001
Phone No : +918439869405 Email : cadeepale@gmail.com



Separate Audit Report of the Comptroller & Auditor General of India on the accounts of the National Institute of Technology, Uttarakhand for the year ended 31 March 2023

We have audited the attached Balance Sheet of the National Institute of Technology, Uttarakhand, Srinagar (Institute) as at 31 March 2023, Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Services) Act, 1971 read with Section 22(2) of the National Institutes of Technology Act, 2007 as amended in 2012. These financial statements are the responsibility of the Institute's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on the financial transactions with regard to compliance with the Law, Rules & regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any are reported through Inspection Reports/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

- (i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;
- (ii) The Balance Sheet, Income & Expenditure Account and Receipt & Payment Account dealt with by this report have been drawn up in the format of financial

statements for Central Higher Educational Institutions approved by the Ministry of Human Resources Development.

(iii) In our opinion, proper books of accounts and other relevant records have been maintained by the Institute as required under Section 22(1) of the National Institutes of Technology Act, 2007 as amended in 2012, in so far as it appears from our examination of such books.

(iv) We further report that:

(A) Balance Sheet

Designated/Earmarked/Endowment Funds (Schedule-2) Rs. 6.44 crore

The Institute has included Rs. 446.72 lakh, Income earned form Investments of Earmarked/Endowment Fund (Schedule-11), as income in Income & Expenditure Account instead of transferring it directly to Earmarked/Endowment Funds (Schedule-2). This resulted in overstatement of 'Income' and so the 'Corpus/Capital Fund' (Schedule-1) by Rs. 446.72 lakh and understatement of 'Earmarked/Endowment Funds' by the same amount.

(B) General

(B.1) The Institute has shown the investment made from 'other funds' in Schedule-5 along with investment made out of Earmarked/Endowment instead of showing separately in Schedule-6. The same needs to be rectified.

(B.2) The Institute has not bifurcated the closing balance of 'Designated/Earmarked/Endowment Fund (Schedule-2.1) into 'Investment', 'Cash & Bank Balance' and 'Interest accrued but not due' as required in format of Financial Statements for Central Higher Educational Institutions.

(B.3) The Institute has not prepared separate annual account of NPS and GPF as required in format of Financial Statements for Central Higher Educational Institutions.

(B.4) The Institute has not made provision for retirement benefits on actuarial basis as required under AS-15.

(B.5) The Institute has not capitalised the Hostels Block A, B and Dinning block which were handed over during the year 2022-23.



(C) Grant-in-Aid

The Institute received grant in aid of Rs 57.22 crore (includes grant receivable of Rs 0.31 crore) from Ministry of Education and earned interest Rs 0.45 crore. After taking opening balance of Rs 36.99 crore total available funds worked out to Rs 94.35 crore. The Institute utilized Rs 46.87 crore and refunded Rs 7.29 crore leaving a balance of Rs 40.19 crore as at 31st March 2023.

(D) **Management letter:** Deficiencies which have not been included in the Audit Report have been brought to the notice of the Institute's Management through a management letter issued separately for remedial/corrective action.

(v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account dealt with by this report are in agreement with the books of accounts.

(vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India:

- a. In so far as it relates to the Balance Sheet, of the state of affairs of the National Institute of Technology, Uttarakhand as at 31 March 2023; and
- b. In so far as it relates to Income & Expenditure Account of the 'surplus' for the year ended on that date.

For and on behalf of the C&AG of India

Date: 09.10.2023

Place: Lucknow

Principal Director of Audit (Central)

Annexure

1. Adequacy of Internal Audit System

Internal Audit of the Institute has not been conducted since 2016-17.

2. Adequacy of Internal Control System

Internal control system of the Institute reflected following deficiencies:

- (i) Shortage of staff by 31 *per cent* in different cadre against sanctioned post.
- (ii) Non-traceability of 727 library books.

3. Physical verification of Fixed Assets

Physical verification of fixed assets has been conducted for the year 2022-23.

4. Physical verification of Inventory

Physical verification of inventory has been conducted for the year 2022-23.

5. Regularity in payment of Statutory Dues

The Institute is regular in payment of statutory dues except pending liability of Rs. 84,381.00 in respect of ESIC subscription.



Dy. Director (CE)



BRANCH: DIRECTOR GENERAL OF AUDIT (CENTRAL),
LUCKNOW AT PRAYAGRAJ



लोकहितार्थं सत्यनिष्ठा
Dedicated to Truth in Public Interest

Ltr No: Central Expenditure/2023-2024/DIS-1187454
Date: 10 Oct 2023

To,

Secretary, Department of Higher Education, Ministry of Education, Shastri Bhawan, New Delhi-110001

Subject: Issue of Separate Audit Report: PR-70550 on the Annual Accounts of National Institute of Technology Uttarakhand, Pauri for the year 2022-23

Sir/Madam,

इस पत्र के माध्यम से राष्ट्रीय प्रौद्योगिकी संस्थान उत्तराखण्ड, श्रीनगर, पौड़ी के वर्ष 2022-23 के लेखों पर पृथक लेखा परीक्षा प्रतिवेदन (अंग्रेजी) अग्रसारित किया जा रहा है।
2. कृपया सुनिश्चित करें कि पृथक लेखापरीक्षा प्रतिवेदन एवं सम्बंधित लेखे संसद के दोनों सदनों के सम्मुख प्रस्तुत हुए।
3. कृपया पृथक लेखापरीक्षा प्रतिवेदन एवं लेखों को संसद के दोनों सदनों के समक्ष अंतिम रूप से प्रस्तुत करने की तिथि भारत के नियंत्रक एवं महालेखापरीक्षक के साथ साथ इस कार्यालय को भी सूचित करने का कष्ट करें।

संलग्नक उपर्युक्तानुसार।

भवदीय,
ह ०/-
प्रधान निदेशक लेखापरीक्षा (केंद्रीय)

Letter No. DIS-1187454 Dated 10.10.2023

वर्ष 2022-23 के लेखों पर पृथक लेखापरीक्षा प्रतिवेदन (अंग्रेजी) की प्रति निदेशक, राष्ट्रीय प्रौद्योगिकी संस्थान उत्तराखण्ड, श्रीनगर, पौड़ी (गढ़वाल)-246174 को आवश्यक कार्यवाही हेतु प्रेषित है। संस्थान यदि आवश्यकता अनुभव करे, तो इस प्रतिवेदन का हिन्दी अनुवाद करवा सकता है परन्तु इस प्रतिवेदन के हिन्दी अनुवाद में निम्नलिखित अंकित होना चाहिए :
"प्रस्तुत प्रतिवेदन मूलरूप से अंग्रेजी में लिखित पृथक लेखापरीक्षा प्रतिवेदन का हिन्दी अनुवाद है। यदि इसमें कोई विसंगति परिलक्षित होती है तो अंग्रेजी में लिखित प्रतिवेदन मान्य होगा।"
हिन्दी अनुवाद की एक प्रति इस कार्यालय को भी प्रेषित करने का कष्ट करें।

संलग्नक: उपर्युक्तानुसार।

Yours faithfully,

Jayakar Babu
Deputy Director



कार्यालय प्रधान निदेशक लेखापरीक्षा (केन्द्रीय) लखनऊ
शाखा कार्यालय – प्रयागराज
Office of the Principal Director of Audit (Central) Lucknow
Branch Office – Prayagraj
15-ए, दयानन्द मार्ग, सत्यनिष्ठा भवन, प्रयागराज
15-A, Dayanand Marg, Satyanishtha Bhawan, Prayagraj – 211 001

पत्र संख्या: प्र0नि0ले0प0 (केन्द्रीय)/पृ.ले.प./2023-24/

दिनांक: 10.2023

सेवा में,

निदेशक,

राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड

श्रीनगर पौड़ी, उत्तराखण्ड-246174

विषय : Management Letter for corrective measures – reg.

महोदय,

We have audited the Annual Accounts of the National Institute of Technology Pauri Uttarakhand for the year 2022-23 and have issued the Audit Report. Following deficiencies, observed during the course of audit which has not been included in the Separate Audit Report, are being brought to your kind notice for remedial/corrective action:

Part A: Persistent Irregularities

Nil

Part B: Other minor irregularities

(B.1) Balance Sheet

Capital/Corpus Fund (Schedule-1)

Rs. 127.89 crore

The above does not include Rs. 1.89 lakh spent out of Designated/Earmarked/Endowment funds for creation of assets. This resulted in understatement of Capital/Corpus (Schedule-1) as well as Fixed Assets (Schedule-4) by Rs. 1.89 lakh.

(B.2) Income & Expenditure Account

Other Income (Schedule-13)

Rs. 15.92 lakh

Above included Rs. 3.29 lakh received as 'Workshop Fee' whereas it should have been included in Academic Receipt (Schedule-9). This resulted in overstatement of Other Income by Rs.3.29 lakh and understatement of Academic Receipt by the same amount.



(B.3) General

The Institute has received books amounting to Rs. 29,664.00 from donation but the same has neither been capitalised nor disclosed in notes to account.

भवदीय,


प्रधान निदेशक लेखापरीक्षा (केन्द्रीय)

ANNUAL REPORT 2022-23

राष्ट्रीय प्रौद्योगिकी संस्थान,
उत्तराखण्ड
National Institute of Technology,
Uttarakhand

