



M. Tech. Admission 2022-23

Through CCMT and Self-sponsored Programme

National Institute of Technology, Uttarakhand



FROM THE DIRECTOR'S DESK

Warm greetings!

It gives me immense pride to state that NIT Uttarakhand has already succeeded in making many key contributions to the advancement of research and technology for sustainable growth of technological resources as a result of the collective efforts of the faculty, students and staff over the past few years.

As part of our Vision and Mission, the main focus of NITUK is to create technological leaders of future for which students of the Institute are provided with good learning environment, exposure to open problems from industry, industrial environment exposure, opportunity to work on research problems, opportunity to enhance entrepreneurial skill, visiting other campuses within India and Abroad, attending conferences and to have one's own venture. The Institute is always abuzz with a surplus of departmental activities where brilliant minds from different prestigious Institutes in India and abroad share their vast knowledge and skills in various conferences, workshops and training programs.

At the end, to be precise the institute's overall focus is to nourish the next generation of leaders who will illuminate our mother India's name to the world in the times to come.

Innovation and Creativity has to be the focus of nurturing young minds. A famous quote by Late Hon'ble Sh. APJ Abdul Kalam Ji is, "Creativity is seeing the same thing by thinking differently"

Warm Regards,
Prof. Lalit Kumar Awasthi
Director, NIT Uttarakhand



National Institute of Technology, Uttarakhand

Srinagar, Pauri (Garhwal)-246174

Telephone: 01346-257400(EPABX), 01346-250792, 251249

Telefax: 01346-251095 E-mail: nituttarakhand@gmail.com

Details of M.Tech. Programme

- The Institute offers 95 seats through CCMT and 25 seats through self-sponsored M.Tech. Program in CSE, ECE, EEE, MEC & CIV.
- For details of ongoing CCMT counselling and self-sponsored M.Tech. admission, please visit the Institute's website under Admission link.

Sr. No.	Department	M.Tech. Programmes
1.	Department of Computer Science & Engineering	1. Artificial Intelligence 2. Computing Systems
2.	Department of Electronics & Communication Engineering	1. Communication Systems 2. Microelectronics & VLSI Design
3.	Department of Electrical Engineering	1. Power Electronics & Drives 2. Power System & Control
4.	Department of Mechanical Engineering	1. Machine Design 2. Manufacturing Technology 3. Thermal Engineering
5.	Department of Civil Engineering	1. Geotechnical Engineering 2. Structural Engineering 3. Transportation Engineering



Why One Should Join NIT Uttarakhand

- Learned faculty members from all over India.
- Good infrastructural facilities.
- **Fully Wi-fi campus** with high speed internet connectivity.
- Very scenic, green and pollution free campus.
- Excellent **laboratory facilities** in each Department.
- Excellent **library facility** with reading room for all the students.
- Implementation of **new education policy** to facilitate exploration of interest of the students in interdisciplinary areas.
- **Hostel accommodation** for all the students.
- Good placement of M.Tech. students.
- Basic **Medical facilities** for all students in the campus.
- Provision of Internship in industries for exposure of students.
- Several **MoUs with National and International Institutes** for providing a better learning experience to the students of NIT Uttarakhand. The collaborative Institutes are IIT Kanpur, IIT Roorkee, IIT Delhi, IIT Ropar, MNIT Jaipur, HNB Garhwal University, Semi-Conductor Laboratory (SCL) – ISRO, AIIMS Rishikesh, CSIR – IIP, Dehradun, BHEL, Haridwar, National Highways Authority of India (NHAI), Central Manufacturing Technology Institute, Bengaluru, Institute of Informatics & Communication, University of Delhi, New Delhi, Manipal University, Jaipur, Jawaharlal Nehru Government Engineering College (JNGEC) Sundernagar, Eötvös Loránd University, Hungary and National Formosa University, Taiwan. etc.
- Cross cultural learning experience as students are admitted from all over India.
- **Personality development** of the students through all round students activities throughout the year such as CLIFFESTO Techno-Cultural Festival, PRODYOGEEKY, Life Changing Motivational Seminar, Department Gathering, Institute Gathering, Freshers Evening, Farewell Party, Institute Day, Innovation Competition, Community Project Program, Robo War, National Unity Day, Blood Donation Camp, International Yoga Day, Anti-Terrorism Day, Entrepreneurship Development Programme, Hindi Pakhwada and Students' societies of different departments arrange host of activities both technical & cultural to foster all-round development of students
- Other activities of the students such as **cycling, mountain tracking, rafting**, exploring the beautiful scenery of Uttarakhand.
- In campus **ATM, canteen and gymnasium** facility for the students.
- All classrooms and hostels of the institute are connected with DG sets to facilitate **24 x 7 electricity supply**.

List of R&D Projects

S. No.	Research Projects	PI/Co-PI	Govt./Non-Govt Body	Amount (Rs)	Year	Status
01	Synthesis and development of polymeric compounds (phenylated quinolone based) for OLED (Organic light emitting devices) applications	Dr. I. M. Nagpure	DST-SERB, New Delhi	22,49,600.00	2015-2018	Completed
02	Regioselective synthesis of fused polyaryl compounds via nucleophilic addition to borylbenzenes: application to the synthesis of topopyrone C & D	Dr. Saroj Ranjan De	DST-SERB, New Delhi	18,60,000.00	2015-2018	Completed
03	Synthetic Structural and optical aspects of Photoactive MOFs	Dr. Rampal Pandey	DST, New Delhi	14,29,095.00*	2013-2019	Completed
04	Special Man Power Development Programme Chip to System Design (SMDP-C2SD)	Dr. Pankaj Kumar Pal	Department of Electronics and Information Technology (DeitY)	77,90,000.00	2015	Completed
05	Development and Analysis of Cancelable Biometric Template Generation for Person Identification	Dr. Nitin Kumar	UCOST, Uttarakhand	02,09,000.00	2018	Completed
06	Solar Pump Irrigation Based On PV Cell Technology	Dr. Vinod Singh Yadav (Co-PI)	CRS-MHRD scheme	9,67,000.00	2019	Completed
07	Hybrid Solar Air Heater Used For Commercial Purpose	Dr. Vinod Singh Yadav (Co-PI)	CRS-MHRD scheme	12,61,000.00	2019	Completed
08	Development of solar powered thermoelectric cooler using desiccant dehumidification	Dr. Yogesh Kumar Prajapati (Co-PI)	CRS-MHRD scheme	9,71,000.00	2019	Completed
09	Design and Innovation Centre (DIC)	Dr. Pawan K. Rakesh	MHRD, Govt. of India	82,00,000.00	2018	Ongoing
10	Secret Sharing Scheme Based Technology for Multimedia Security Over Cloud	Dr. Krishna Kumar	DST, New Delhi	40,00,000.00	2020-2023	Ongoing
11	Analysing Online Reviews of Universities and Colleges using Machine Learning	Dr. Nitin Kumar (Co-PI)	TEQIP-III, UTU, Dehradun	2,00,000.00	2019	Ongoing
12	Fault Tolerant Control Scheme for PWM Inverter Fed Induction Motor Based Electric Vehicle	Dr. Saurav Bose (Co-PI)	TEQIP-III, UTU, Dehradun	3,00,000.00	2019	Ongoing
13	Open Circuit Fault Tolerant Operation of Five Phase Induction Motor Drive Used in Electric Vehicle	Dr. Saurav Bose (Co-PI)	TEQIP-III, UTU, Dehradun	2,00,000.00	2019	Ongoing
14	Solar powered robust E-Rickshaw control with bidirectional DC-DC Converter using regenerative cycle boosts charging	Dr. Prakash Dwivedi & Dr. Saurav Bose	Ministry of Electronics & Information Technology	30,02,000.00	2020	Ongoing
15	Study of FeRh epitaxial films and heterostructures for spintronics applications	Dr Hardeep Kumar	UGC DAE CSR, Indore	2,26,440.00	2020	Ongoing
16	Development of domestic cooking stove based on biomass gasification with porous radiant burner	Dr. Niraj Kumar Mishra	SERB, DST under Core Research Grant Scheme	21,13,000.00	2021	Ongoing
17	"DECONET- Development Of Indigenous System For Deciphering Envisioned Speech From EEG Signals Using Optimized Deep Convolutional Neural Network Models",	Dr. Hariharan Muthusamy	Core Research Grant Scheme, SERB, Govt. of India.	40,70,845.00	2021-2024	Ongoing
18	Fabrication and Testing of Lower Limb Prosthesis for Transtibial Amputee using Biocomposites with Energy Restoring Capability	Dr. Pawan Kumar Rakesh (PI) & Dr. Sanat Agarwal (Co-PI),	Indian Institute of Medical Research (ICMR),	27,70,000.00	2022	Ongoing
Total Amount				4,18,18,980.00		



M. Tech. Placements and Internships

M. Tech. Placement 2021-2022 Batch

SNo.	Name	Branch	Company	Package (LPA)
1.	Nikhil Kumar Singh	Computer Science Engg.	Winjit	14.00
2.	Rajni Kant Yadav	Computer Science Engg.	Capgemini	07.50
3.	Shahid Mohd	Civil Engineering	Capgemini	07.50
4.	Alok Singh Bhandari	Electrical Engineering	Intel	07.00
5.	Prabhanjan Prasoon	Civil Engineering	Byjus	06.50

M. Tech. Placement Statistics session 2021-22.

CTC (in Lac)	Students Placed
Placed students above 14 LPA	01
Placed students between 07 to 14 LPA	04

M. Tech. Internship Statistics session 2021-22.

Monthly Package (In Lac)	No. of students
Above 00.50 LPM	01
Between 00.40 LPM to 00.50 LPM	01
Between 00.20 LPM to 00.40 LPM	01

Some Companies visited for M. Tech. students in 2021-22

S No.	Company Name
1.	Deloitte USI
2.	Capgemini
3.	ZS Associates
4.	Accenture
5.	Cogoport Technologies
6.	L&T Cons/Non Cons
7.	Zycus Technologies
8.	Atlassian

S No.	Company Name
9.	Byju's
10.	Infosys
11.	Innovaccer
12.	Intellipat
13.	ITC Infotech
14.	TechnipFMC
15.	Tredence Analytics



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Student Activities and Adventures





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