



INFORMATION BROCHURE 2023-24

For Undergraduate, Post Graduate and Research Programmes



**DR B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY
JALANDHAR-144027, PUNJAB, INDIA**

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From The Director's Desk



It is a privilege to lead Dr B R Ambedkar National Institute of Technology (NIT) Jalandhar, one of the national accolades and an outstanding institution of higher learning. NIT Jalandhar is ranked 49th in the National Institutional Ranking Framework (NIRF), Band-Excellent in the Atal Ranking of Institutions on Innovation Achievements (ARIIA), and was recently ranked in the 401-500 range in the Times Higher Education (THE) Emerging Economies University Rankings 2022. These accomplishments are the result of responsive leadership, dedication of the faculty and staff, and considerable efforts by students. More importantly, even during the unprecedented situation of the pandemic, the Institute continued to generate and disseminate knowledge. While cherishing the journey and milestones achieved so far, we must look forward and prepare ourselves for future challenges to propel this institution to even greater heights. In the coming years, our primary focus will be on implementing the New Education Policy (NEP) in its true spirit, fostering inter-disciplinary research, deepening industry-academia collaboration, exploring and developing new avenues of knowledge, and resource generation through knowledge transfer. In a world where change is the only constant, the Institute provides its students a solid foundation for their careers. The Institute gives them the opportunity to integrate their minds, imaginations, and emotions in order to become capable of resolving public issues. The students have twofold responsibilities: one is to transform themselves, and the other is to address the complex problems faced by the society. It is my earnest appeal to students to make the best use of the time they spend at the Institute for their holistic transformation. The students must keep their curiosity alive and experiment new things. Our alumni are also passionately concerned about the progress of the Institute. I seek their ongoing support in the form of reverse mentoring by serving their Alma Mater with zeal and exuberance. Last but not least, as this Institute is named after Dr B R Ambedkar, let us recall his slogan, 'educate, agitate, and organize'. Let us educate society so that it is capable of generating innumerable ideas for human welfare. Let these ideas of thesis and anti-thesis agitate or collide with one another, and eventually organize into a new synthesis, what Higher Education Institute stands for. I am hopeful and confident that with everyone's support and commitment, we will achieve new milestones with ever-rising benchmarks, help our youth in making their dreams a reality, and propel the Institute to new heights.

Once again, I welcome you at NIT Jalandhar and look forward to your innovative ideas to contribute quality improvement of teaching and learning in the field of engineering and management.

NIT Jalandhar Pratham!

Jai Hind!

Jai Bharat!

Prof. Binod Kumar Kanaujia

Director

Message From the Leadership



Prof. Ajay Bansal

Message from the Registrar

On behalf of the institute, I extend a warm welcome to each and every one of you. As the Registrar, I am here to support and assist you throughout your academic journey. Our institution is committed to providing a nurturing and inclusive environment that fosters your growth, learning, and personal development. Embrace the opportunities, strive for excellence, and make the most of your time here. We are here to help you succeed.

Best wishes,
Registrar



Dean of Academics

I extend my warmest greetings and encourage you to seize the opportunities before you. Driven by our commitment to excellence, we strive to empower you with knowledge, skills, and values for a successful future. Embrace your journey and make the most of your time at our institute.

Best regards,
Prof. Harsh K. Verma



Dean of Student Welfare

As the Dean of Student Welfare, I am here to support and guide you throughout your academic journey. Your well-being is our utmost priority, and we are committed to creating a nurturing environment where you can thrive both academically and personally. Remember, we are here to assist you in every possible way, so don't hesitate to reach out whenever you need assistance.

Warm regards,
Prof. Anish Sachdeva



Dean of Faculty Welfare

As the Dean of Faculty Welfare, I am dedicated to ensuring a positive and enriching academic experience for you. We strive to foster a harmonious and inclusive learning environment where faculty members are committed to your growth and success. Your feedback and suggestions are valuable to us, so feel free to communicate with us for any concerns or ideas.

Sincerely,
Prof. S. K. Sinha



Dean of Planning & Development

As the Dean of Planning & Development, I am committed to enhancing and expanding the resources and facilities at our institute to enrich your learning experience. We are continuously working towards creating a dynamic and innovative academic ecosystem that equips you with the skills and knowledge needed for future success. Together, let's shape a brighter tomorrow through strategic planning and development initiatives.

Best regards,
Prof. Subhash Chander



Dean of Research & Consultancy

As the Dean of Research & Consultancy, I encourage you to actively engage in research and innovation, as it fosters intellectual growth and drives advancements in your respective fields. Our institute provides abundant opportunities for collaborative research and consultancy projects that can broaden your horizons and contribute to real-world solutions. Embrace the spirit of inquiry and let your passion for discovery soar.

Best regards,
Prof. J. N. Chakraborty



Dean of Industry and International Affairs

As the Dean of Industry and International Affairs, embrace the opportunities for real-world industry exposure and global experiences. Our institute fosters collaborations with industry partners, empowering you to develop the skills and perspectives needed to thrive in a competitive global landscape. Unlock your potential for a successful career ahead.

Best regards,
Prof. S. P. Singh

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VISION

To build a rich intellectual potential embedded with interdisciplinary knowledge human values and professional ethics among the youth, aspirant of becoming engineers and technologists, so that they contribute to society and create a niche for a successful career

MISSION

To become a leading and unique institution of higher learning, offering state-of-the-art education, research, and training in engineering and technology to students who are able and eager to become change agents for the industrial and economic progress of the nation. To nurture and sustain an academic ambiance conducive to the development and growth of committed professionals for the sustainable development of the nation and to accomplish its integration into the global economy. To strive to be a Swachh NIT providing a guarantee of clean hostel, clean mess, clean water, and hygienic & wholesome food to its students.

QUALITY POLICY

To develop technical human resources of excellence suitable for global requirements. To ensure good quality academic and industrial research Programmes in different areas of engineering and technology. To generate industry-institute synergy for shaping technical education to meet the requirement of the industry.

NITJ Ranking and Awards

Year	Milestones
2023	<ul style="list-style-type: none"> - Ranked 45th amongst all Indian University/Institutes according to total h-index. - NITJ ranking amongst Global Universities under Engineering Category have the ranking band 601-800. - NITJ has been ranked in the THE (Times Higher Education) in the ranking band of 1001-1200
2022	<ul style="list-style-type: none"> - Ranked 52nd in engineering ranking and 85th in overall ranking- NIRF. - Ranked 47th amongst all government institutes and 2nd in Punjab- IIRF. MDRA ranked 21st amongst top engineering colleges. - Placed 13th amongst top 100 T-Schools and 10th amongst top government T-Schools. - Ranked 4th in North Zone- DATAQUEST. - Ranked 33rd among India's Best engineering colleges by MDRA.
2021	<ul style="list-style-type: none"> - Placed in the Band-Excellent. - Ranked 42nd in Engineering category- IIRF. - Ranked 49th in engineering ranking and 78th in overall ranking- NIRF. - Rated AAAA+, including 12 others among Engineering colleges in the North zone and 2 other among Engineering colleges in Punjab. - Ranked 22nd amongst top 30 government colleges and 9th among to 10 government colleges with lowest fees.
2020	<ul style="list-style-type: none"> - Ranked 52nd amongst top 200 engineering institutes in India. - Placed in the band of 11th-25th rank in the ARIIA rankings by Ministry of Education. - Ranked 4th among the top 100 tech-enabled T-schools. - In zone wise top 10 institutes, NITJ has ranked 2nd in north zone. - Ranked 20th among All India top engineering colleges-ICARE rankings. - Secured 8th place among top 10 government T-schools. - Ranked 3rd among top 10 government institutes. In zone wise top 10 T-schools, ranked 5th in north zone.
2019	<ul style="list-style-type: none"> - Ranked 22nd among the "India's best engineering government colleges" by India Today Group-MDRA. - Ranked 34th among all India top engineering colleges by THE WEEK-Hansa Research Survey. - Secured 68th rank among India's top 100 research institutes in engineering and science.

SAY NO TO RAGGING
NIT Jalandhar – A RAGGING FREE CAMPUS

According to UGC guidelines, the definition of ragging states that any conduct whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness any other student, indulging in rowdy or undisciplined activities which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in a fresher or a junior student or asking the student to do any act or perform something which such student will not in the ordinary course and which has the effect of causing or generating a sense of shame or embarrassment so as to adversely affect the physique or psyche of a fresher or a junior student.

IMPORTANT INSTRUCTIONS FOR THE STUDENTS

- According to the Hon'ble Supreme Court of India, Ragging in Educational Institutions is banned.
- Ragging is a Cognizable Offence.
- Students are advised not to indulge in Ragging.
- Ragging entails heavy fines and/or suspension/expulsion.
- Ragging is an undesirable social offence, which is totally banned in the Institute.
- In case the applicant for admission in the institute is found to have indulged in ragging in the past or if it is noticed later that he has indulged in ragging, admission may be refused or he/she shall be expelled from the institution.
- In case of Ragging, please do not keep quiet, report it to the Authorities immediately.
- It is mandatory for the parents to report immediately to the Authorities of the Institute in case their wards inform them about ragging.

PUNISHABLE INGREDIENTS OF RAGGING

- Abetment to ragging
- Criminal conspiracy to rag
- Unlawful assembly and rioting while ragging
- Public nuisance created during ragging
- Violation of decency and morals through ragging
- Injury to body, causing hurt or grievous hurt
- Wrongful restraint
- Wrongful confinement
- Use of criminal force
- Assault as well as sexual offences or unnatural offences
- Extortion
- Criminal trespass
- Offences against property
- Criminal intimidation
- Attempts to commit any or all of the above-mentioned offences against the victim(s)
- Physical or psychological humiliation
- All other offences following from the definition of "Ragging"

PUNISHMENT

Depending upon the nature and gravity of the offence as established by the Anti-Ragging Committee of the institution, the possible punishment for those found guilty of Ragging at the Institution level shaped any one or any combination of the following:

- Suspension from attending classes and academic privileges
- Withholding/ Withdrawing scholarship/ fellowship and other benefits
- Debarring from appearing in any test/ examination or other evaluation process
- Withholding results
- Debarring from representing the institution in any regional, national or international meet, tournament, youth festival etc.
- Suspension/expulsion from the hostel
- Rustication from the institution for period ranging from 1 to 4 semesters
- Expulsion from the institution and consequent debarring from admission to any other institution for a specified period
- Fine ranging between Rupees 25,000/- and Rupees 1 Lakh
- Collective punishment: When the persons committing or abetting the crime of ragging are not identified, the institution shall resort to collective punishment
- Fresher who do not report the incidents of ragging either as victims or as witnesses shall also be punished suitably.

As per the directions of the Hon'ble Supreme Court of India, if any incident of ragging comes to the notice of authority, the concerned student shall be given liberty to explain and if his/her explanation is not found satisfactory, the authority would expel him/her from the Institute"

CONTACT DETAILS OF IMPORTANT FUNCTIONARIES OF THE INSTITUTE

Name	Designation	Email ID
Prof. Binod Kumar Kanaujia	Director	director@nitj.ac.in
Prof. Harsh K. Verma	Dean (Academic)	da@nitj.ac.in
Prof. Subhash Chander	Dean (Planning & Development)	deanpd@nitj.ac.in
Dr Anish Sachdeva	Dean (Students Welfare)	dsw@nitj.ac.in
Prof. J. N. Chakraborty	Dean (Research & Consultancy)	drc@nitj.ac.in
Dr S K Sinha	Dean (Faculty Welfare)	dfw@nitj.ac.in
Prof. S. P. SINGH	Dean (Industry and International Affairs)	diia@nitj.ac.in
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Prof. Ajay Bansal	Registrar	registrar@nitj.ac.in
Wardens	Hostel No	Email
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For Phone numbers see Telephone Directory (Alphabetical) given at the end of this prospectus.

Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY JALANDHAR
Academic Calendar

Working Weeks	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	09 July	Registration Started on 26 May 2023 Continues				10-13 July 14 July L/D-Reg w/o Fine*	15 July
[Week 1]	16 July	1 17 July Start of Classes	2 18 July	3 19 July	4 20 July	5 21 July L/D- Reg with Fine (Rs.2000)*	22 July
[Week 2]	23 July	6 24 July	7 25 July	8 26 July	9 27 July	10 28 July L/D- Reg with Fine (Rs.5000)*	29 July Muharram
[Week 3]	30 July	11 31 July	12 01 Aug	13 02 Aug	14 03 Aug	15 04 Aug	05 Aug
[Week 4]	06 Aug	16 07 Aug	17 08 Aug	18 09 Aug	19 10 Aug	20 11 Aug	12 Aug
[Week 5]	13 Aug	21 14 Aug	15 Aug Independence Day	22 16 Aug	23 17 Aug	24 18 Aug	19 Aug
[Week 6]	20 Aug	25 21 Aug	26 22 Aug	27 23 Aug	28 24 Aug	29 25 Aug	26 Aug
[Week 7]	27 Aug	30 28 Aug	31 29 Aug	32 30 Aug	33 31 Aug	34 01 Sept	02 Sept
[Week 8]	03 Sept	35 04 Sept	36 05 Sept	37 06 Sept	07 Sept Janmashtami	38 08 Sept Mid-Sem Exam	39 09 Sept Mid-Sem Exam
[Week 9]	10 Sept	40 11 Sept Mid-Sem Exam	41 12 Sept Mid-Sem Exam	42 13 Sept Mid-Sem Exam	43 14 Sept Mid-Sem Exam	44 15 Sept Mid-Sem Exam	16 Sept
[Week 10]	17 Sept	45 18 Sept	46 19 Sept	47 20 Sept	48 21 Sept	49 22 Sept	23 Sept
[Week 11]	24 Sept	50 25 Sept	51 26 Sept	52 27 Sept L/D - Apply for Makeup Exam	28 Sept Milad-un-Nabi	53 29 Sept	30 Sept
[Week 12]	01 Oct	02 Oct Gandhi Jayanti	54 03 Oct	55 04 Oct	56 05 Oct	57 06 Oct	07 Oct
[Week 13]	08 Oct	58 09 Oct	59 10 Oct	60 11 Oct	61 12 Oct	62 13 Oct	14 Oct
[Week 14]	15 Oct	63 16 Oct	64 17 Oct NITJ Foundation Day (Working Day)	65 18 Oct Convocation (Working Day)	66 19 Oct	67 20 Oct	21 Oct
[Week 15]	22 Oct	23 Oct Mid-term Break	24 Oct Dussehra	25 Oct Mid-term Break	26 Oct Mid-term Break	27 Oct Mid-term Break	28 Oct
[Week 16]	29 Oct	68 30 Oct	69 31 Oct	70 01 Nov	71 02 Nov	72 03 Nov	04 Nov
[Week 17]	05 Nov	73 06 Nov	74 07 Nov	75 08 Nov	76 09 Nov	77 10 Nov	11 Nov
[Week 18]	12 Nov Diwali	78 13 Nov	79 14 Nov	80 15 Nov	81 16 Nov	82 17 Nov	18 Nov
[Week 19]	19 Nov	83 20 Nov	84 21 Nov	85 22 Nov	86 23 Nov Notification of Detainees	87 24 Nov Last Day of Classes	25 Nov
[Week 20]	26 Nov	27 Nov Guru Nanak Birthday	88 28 Nov End-Sem Exam	89 29 Nov End-Sem Exam	90 30 Nov End-Sem Exam	91 01 Dec End-Sem Exam	92 02 Dec End-Sem Exam
[Week 21]	03 Dec	93 04 Dec End-Sem Exam	94 05 Dec End-Sem Exam	95 06 Dec End-Sem Exam	96 07 Dec End-Sem Exam	97 08 Dec End-Sem Exam	98 09 Dec End-Sem Exam
[Week 22]	10 Dec	99 11 Dec End-Sem Exam	100 12 Dec End-Sem Practical Exam	101 13 Dec End-Sem Practical Exam	102 14 Dec End-Sem Practical Exam	103 15 Dec End-Sem Practical Exam	104 16 Dec End-Sem Practical Exam
	17 Dec	18 Dec Showing of Answer Sheets	19 Dec Display of Time Table for next Sem	20 Dec Moderation of Grades	21 Dec Display of Grades	22 Dec Submission of Grades/ Display of Open Electives	23 Dec

*Last day of registration for B Tech 5th, 7th Sem and MBA/M Sc/M Tech 3rd semester and all PhD students.

**For B.Tech 2nd Year (3rd Sem): L/D w/o Fine: upto 21 July; L/D with fine Rs.2000: upto 28 July; L/D with fine Rs.5000: upto 04 Aug

In Lieu of Mid-term Break, 09 Sept, 02 Dec, 09 Dec, 16 Dec will be Working Days

Winter Vacation from 26 December 2023 to 12 January 2024 (18 Days), Classes for next semester start from January 16, 2024.

Dr B R Ambedkar National Institute of Technology was established in the year 1987 as Regional Engineering College and was given the status of National Institute of Technology (Deemed University) by the Government of India on October 17, 2002 under the aegis of Ministry of Human Resource Development, New Delhi. Now the Ministry of Human Resource Development, Government of India has declared the Institute as **“Institute of National Importance”** under the act of Parliament-2007. A large number of reputed Industrial houses in the country visit the Institution and select the final year students as Engineers/ Management Trainees. As one of the National Institutes of Technology (NIT), the Institute has the responsibility of providing high quality education in Engineering, Technology and Sciences to produce competent technical and scientific manpower for the country. The Institute offers B-Tech, M-Tech, MSc, MBA and PhD Programmes in the several disciplines of engineering, technology and Sciences.

1.1 Location

The city of Jalandhar is situated between the rivers Sutlej and Beas on National Highway 1. It is one of the important towns of Punjab and is known for its rich educational, cultural, and literary activities. It is an internationally renowned industrial Centre for sports goods, leather goods, and hand tools. The city is 370 kms away from Delhi enroute to Amritsar and is easily accessible from Delhi by train or bus. The Shatabdi Express trains, which ply from New Delhi in the morning at 07:20 hrs and in the evening at 16:30 hrs, are the best modes of travel to Jalandhar. This train takes less than 5 hours to reach Jalandhar City.

How to reach us: The institute is located on G.T Road Amritsar bye-pass at a distance of 15 km from Jalandhar Bus Stand, 12 km from Jalandhar City Railway Station, and 18 km from Jalandhar Cantt Railway Station.

1.2 Campus

The Institute campus is wide spread over an area of 154 acres. It has many topographical features, various buildings of different nature with clean and wide roads surrounded by a green belt. The campus area has been broadly divided into different functional zones: (i) institution zone for teaching departments/centers/administration (ii) residential zone for the faculty and staff (iii) students' hostel zone. Other amenities on the campus include a guest house, a community Centre, a dispensary, shopping Centre, banks, post office, sports complex, playgrounds, new Tennis courts, Basketball courts, Volleyball courts, open-air theatre, central seminar hall and night canteen etc.

1.3 Administration

Dr B R Ambedkar National Institute of Technology Jalandhar is an autonomous Institution under the aegis of the Ministry of Human Resource Development, Govt. of India, New Delhi. The Institution functions under the overall control and guidance of the Board of Governors, the Director being the Executive Head of the Institute. The other administrative bodies of the Institute are the Senate, the Finance Committee, and the Building and Works Committee-the Registrar, being the Secretary.

There are Six Deans in the institute:

- Dean Academic
- Dean Planning and Development
- Dean Research and Consultancy
- Dean Faculty Welfare
- Dean Student Welfare
- Dean (Industry and International Affairs)

1.4 Collaboration

The Institute is actively involved in collaborative Programmes with national and international organizations for its development. Memoranda of Understanding (MOUs) have been signed with the following Organizations:

- | | |
|--|--|
| • University of South Alabama, USA | • Indian Institute of Technology, Mandi (Himachal Pradesh) |
| • University of Florence, Italy | • National Institute of Industrial Engineering, Mumbai |
| • University of Saskatchewan, Saskatoon Canada | • Institute of Autoparts & Hand Tools Technology, Ludhiana |
| • The University of Missouri-Kansas City | • M/s Trident Limited, Trident Group, Snghera, Punjab |
| • University Abderrahmane Mira- Bejaia (Algeria) | • M/s Indian Sucrose Ltd. |
| • National Institute of Technology, Agartala | • Wool Research Association, Thane, Maharashtra |
| • National Institute of Technology, Kururkshetra | • Biomedical Instruments and Devices Hub, PGIMER Chandigarh |
| • MTAB Technology Center Private Limited | • Ministry of Micro, Small and Medium Enterprises, Gov. of India |
| • Research For Resurgence Foundation, Nagpur | • Indian Institute of Management (IIM), Amritsar |
| • Central Tool Room, Ludhiana | • Enerzinx India Pvt. Ltd |
| • Cryptowire University | |
| • Heartfulness Education Trust, (HET) Vijaywada | |
| • Khadi and Village Industries Commission | |
| • Power Grid Corporation India Limited | |

2. PROGRAMMES OF STUDY

The Institute offers following undergraduate, postgraduate and research Programmes

2.1 UG Programme:

The Institute offers 4-Year Bachelor of Technology Programme in the following discipline (Academic Year 2023-24):

Program Name	Seat Pool (State Quota or Other State/All India Quota)	Seat Pool (Gender-Neutral or Female-only)	OPEN	OPEN -PwD	GEN - EWS	GEN- EWS- PwD	SC	SC- PwD	ST	ST- PwD	OBC - NCL	OBC- NCL- PwD	Total (includes Female Supernumerary)
Bio Technology	Punjab	Gender-Neutral	9	1	2	0	3	0	2	0	6	0	23
		Female-only (including Supernumerary)	2	0	1	0	1	0	0	0	2	0	6
	Other than Punjab	Gender-Neutral	10	0	2	0	3	0	2	0	5	1	23
		Female-only (including Supernumerary)	2	0	1	0	1	0	0	0	2	0	6
Chemical Engineering	Punjab	Gender-Neutral	12	1	3	0	5	0	2	0	8	1	32
		Female-only (including Supernumerary)	3	0	1	0	1	0	1	0	2	0	8
	Other than Punjab	Gender-Neutral	12	1	3	0	5	0	2	0	8	1	32
		Female-only (including Supernumerary)	3	0	1	0	1	0	1	0	2	0	8
Civil Engineering	Punjab	Gender-Neutral	15	0	4	0	5	1	1	0	10	0	36
		Female-only (including Supernumerary)	4	0	1	0	1	0	1	0	2	0	9
	Other than Punjab	Gender-Neutral	14	1	4	0	5	0	2	0	10	0	36
		Female-only (including Supernumerary)	4	0	1	0	1	0	1	0	2	0	9
Computer Science and Engineering	Punjab	Gender-Neutral	24	1	6	0	9	1	4	1	16	1	63
		Female-only (including Supernumerary)	7	0	2	0	2	0	1	0	4	0	16
	Other than Punjab	Gender-Neutral	24	1	5	1	10	0	5	0	16	1	63
		Female-only (including Supernumerary)	7	0	2	0	2	0	1	0	4	0	16
Data Science & Engineering	Punjab	Gender-Neutral	5	1	2	0	3	0	1	0	4	0	16
		Female-only (including Supernumerary)	2	0	0	0	1	0	0	0	1	0	4
	Other than Punjab	Gender-Neutral	5	1	2	0	3	0	1	0	3	1	16
		Female-only (including Supernumerary)	2	0	0	0	1	0	0	0	1	0	4
Electrical Engineering	Punjab	Gender-Neutral	10	0	2	0	4	0	2	0	6	0	24
		Female-only (including Supernumerary)	2	0	1	0	1	0	1	0	2	0	7
	Other than Punjab	Gender-Neutral	10	0	2	0	3	1	2	0	6	0	24
		Female-only (including Supernumerary)	3	0	1	0	0	0	0	0	2	0	6
Electronics and Communication Engineering	Punjab	Gender-Neutral	13	1	3	0	4	1	3	0	10	0	35
		Female-only (including Supernumerary)	4	0	1	0	1	0	1	0	2	0	9
	Other than Punjab	Gender-Neutral	13	1	3	0	5	0	3	0	8	1	34
		Female-only (including Supernumerary)	4	0	1	0	1	0	1	0	2	0	9
Electronics and VLSI Engineering	Punjab	Gender-Neutral	4	1	1	0	2	0	1	0	3	0	12
		Female-only (including Supernumerary)	1	0	1	0	0	0	0	0	1	0	3
	Other than Punjab	Gender-Neutral	4	1	1	0	2	0	1	0	2	1	12
		Female-only (including Supernumerary)	1	0	0	0	1	0	0	0	1	0	3
	Punjab	Gender-Neutral	19	1	4	1	6	1	3	0	13	0	48

Information Technology		Female-only (including Supernumerary)	5	0	1	0	2	0	1	0	3	0	12
	Other than Punjab	Gender-Neutral	18	1	4	1	7	0	4	0	12	1	48
		Female-only (including Supernumerary)	5	0	1	0	2	0	1	0	3	0	12
Instrumentation and Control Engineering	Punjab	Gender-Neutral	16	1	4	0	7	0	3	0	11	1	43
		Female-only (including Supernumerary)	4	0	1	0	1	0	1	0	3	0	10
	Other than Punjab	Gender-Neutral	16	1	5	0	5	1	2	1	10	1	42
		Female-only (including Supernumerary)	4	0	1	0	2	0	1	0	3	0	11
Industrial and Production Engineering	PUNJAB	Gender-Neutral	12	1	3	0	5	0	2	0	8	1	32
		Female-only (including Supernumerary)	3	0	1	0	1	0	1	0	2	0	8
	Other than PUNJAB	Gender-Neutral	12	1	3	0	5	0	1	1	9	0	32
		Female-only (including Supernumerary)	3	0	1	0	1	0	1	0	3	0	9
Mechanical Engineering	Punjab	Gender-Neutral	18	1	4	1	7	0	4	0	11	1	47
		Female-only (including Supernumerary)	6	0	1	0	2	0	1	0	4	0	14
	Other than Punjab	Gender-Neutral	18	1	4	0	6	1	3	1	12	1	47
		Female-only (including Supernumerary)	5	0	1	0	2	0	1	0	4	0	13
Textile Technology	Punjab	Gender-Neutral	12	1	2	1	5	0	2	0	8	1	32
		Female-only (including Supernumerary)	3	0	1	0	1	0	1	0	2	0	8
	Other than Punjab	Gender-Neutral	12	1	3	0	4	1	2	0	9	0	32
		Female-only (including Supernumerary)	3	0	1	0	1	0	1	0	2	0	8
Total			429	22	106	5	159	8	79	4	285	15	1112

For further details of the eligibility requirements, admission procedures etc. to the programme, kindly visit the Institute website www.niti.ac.in and the Central Seat Allocation Board-2023 website csab.nic.in.

2.2 PG Programme:

2.2.1. The Institute offers 2-Year Master of Technology Programme in the following discipline (Academic Year 2023-24):

Sr. No	Department	Programme	CCM T	Self-Sponsored Seats
1	Department of Biotechnology	Biotechnology	20	10
2	Department of Civil Engineering	Geotechnical & Geo-environment Engineering	15	10
3	Department of Civil Engineering	Structural and Construction Engineering	40	20
4	Department of Chemical Engineering	Chemical Engineering	15	10
5	Department of Computer Science & Engineering	Computer Science & Engineering (Information Security)	15	10
6	Department of Computer Science & Engineering	Computer Science & Engineering	40	20
7	Centre for Energy & Environment	Renewable Energy	15	20
8	Department of Electronics & Communication Engineering	Signal processing and Machine Learning	20	20
9	Department of Electronics & Communication Engineering	VLSI Design	40	20
10	Department of Instrumentation & Control Engineering	Control and Instrumentation Engineering	15	10
11	Department of Industrial & Production Engineering	Industrial Engineering and Data Analytics	15	10
12	Department of Industrial & Production Engineering	Manufacturing Technology and Machine Learning	15	10
13	Department of Mechanical Engineering	Design Engineering	20	20
14	Department of Mechanical Engineering	Thermal Engineering	15	10
15	Department of Textile Technology	Textile Engineering and Management	20	10
16	Department of Computer Science & Engineering	Data Science	20	10
17	Department of Information Technology	Data Analytics	20	10
18	Department of Electrical Engineering	Electric Vehicle Design	20	10
19	Centre for Artificial Intelligence	Artificial Intelligence	0	40
20	Centre of Reliability Improvement in Industry (CRII)	Power Systems and Reliability	0	15
Total Seats			380	295

For further details of the eligibility requirements, admission procedure etc. to the programme, kindly visit the Institute website www.nitj.ac.in and Centralized Counseling for M.Tech/M.Arch/M.Plan website ccmt.nic.in.

2.2.2. The Institute offers 2-Year Master of Science Programme in the following discipline:

Program Name	Eligible Degree with subject	Eligible JAM Paper	Number of Seats											Additional Requirements
			OC	EWS	OB	SC	ST	OC-PWD	EWS-PWD	OB-PWD	SC-PWD	ST-PWD	Total	
M.Sc. in Mathematics	B.Sc.-3 year, with Mathematics as a subject	MA	15	4	10	5	3	1	0	1	0	0	39	
M.Sc. in Chemistry	B.Sc.-3 year, with Chemistry as a subject	CY	16	4	9	5	3	0	0	1	1	0	39	
M.Sc. in Physics	B.Sc.-3 year, with Physics as a subject	PH	14	3	10	6	3	1	1	0	0	0	38	Must have studied Mathematics as one of the subject in Bachelor degree

For further details of the eligibility requirements, admission procedures etc. to the programme, kindly visit the Institute website www.nitj.ac.in and Centralized Counselling for M.Sc./M.Sc. (Tech) website www.ccmn.nic.in.

2.2.3. The Institute offers 2-year Master of Business Administration programme:

Sr. No.	Name of the Programme	Seat Intake for the Academic Session 2023-24	
		Regular	Self-sponsored
1	MBA	38	38

For further details of the eligibility requirements, admission procedure etc. to the programme, kindly visit the Institute website www.nitj.ac.in

2.3 Ph. D:

The Institute offers PhD (Full Time & Part Time) Programme in Engineering, Sciences, Humanities and Management disciplines of the Institute. For further details of the eligibility requirements, admission procedure etc. of the programme, kindly visit the Institute website www.nitj.ac.in.

Note: All the rules and regulations governing the UG/PG/Ph.D programmes as amended from time to time shall be displayed on the Institute website and the decision of the Institute Senate shall be final and binding.

3. SEMESTER FEE AND OTHER CHARGES

3.1. Tuition Fee for UG (B. TECH) students per semester:

B.Tech	Category wise /Income wise	Tuition Fee
	Income below Rs.1 Lakh per annum (Gen/OBC)	--NIL--
	Income between Rs.1 to 5 Lakh per annum (Gen/OBC)	Rs.20840/-
	Income above Rs.5 lakh per annum (Gen/OBC)	Rs.62500/-
	For all SC/ST/PH Students	--NIL--

NOTE: For getting the tuition fee waiver as per Institute norms please note the following strictly:

- The economically backward students of B. Tech (General/OBC Category) who wants to avail Tuition Fee waiver on the basis of Annual Family Income are required to submit Annual Family Income Certificate before submission of Institute academic fee.
- Students are required to submit Annual family Income certificate issued on or after 1st April of every financial year duly signed by the issuing authority of the concerned state. Certificate issuing authority list shall be uploaded on the Institute website before the registration process along with fee structure.
- Students who are not able to produce the Annual Family Income certificate at the time of reporting shall have to deposit the full fee.

3.2 Tuition Fee for PG and PhD students per semester:

M.Tech/MBA	Gen/OBC/PH	Rs.35000/-
	SC/ST	--NIL--
M.Tech/MBA (Self sponsored)	All categories	Rs.55000/-
M.Tech (Artificial Intelligence-Self sponsored)	All categories	Rs.68000/-
M.Sc	Gen/OBC/PH	Rs.7500/-
	SC/ST	--NIL--
PhD (Full Time)	OPEN	Rs.7500/-
	SC/ST	--NIL--
PhD (Part Time)	All categories	Rs.7500/-

3.3 Detail of other institutional charges for all UG, PG and PhD students.

Sr. No.	Particulars	Hostler s	Day Scholars	Day Scholars with bus facility
	MAIN ACCOUNT	PER SEMESTER (in Rs.)		
1	Admission / Registration Fee	1000	1000	1000
2	Library Fee	1000	1000	1000
3	Room Rent (More than Single Seater) For single seater (Optional)	6000 9000	-	-
4	Transportation Charges	-	-	3000
	EXAMINATION ACCOUNT			
5	Examination fee	1000	1000	1000
	HOSTEL FUND ACCOUNT			
6	Mess and Utensil fee	2500	-	-
	Hostel Maintenance			
	Hostel & Mess Estb. Charges			
	SECURITY FUND ACCOUNT			
7	Institute Security (Non - Refundable) One time at the time of Admission only	5000	5000	5000
	ALUMNI ASSOCIATION ACCOUNT			
	Alumni Association membership fee	500	500	500
	STUDENT FUND ACCOUNT			
9	Stationery fee / Project Fee	1500	1500	1500
	Student Welfare Fee			
	Medical Fee			
	Identity Card Fee			
10	Students Activity Fee	5000	5000	5000
11	International / National Conferences	500	500	500
12	Internet Fee/Computer Fee	1000	1000	1000
13	Medical and healthcare facility	500	500	500
	DEVELOPMENT FUND ACCOUNT			
14	Development Fee	5000	5000	5000
	Total Other Institutional Charges	30500	22000	25000

NOTE: The Fee shall vary with decision of Institute competent authority from time to time

Mode of payment (Online)

4. POWER TO MODIFY

Notwithstanding all that has been stated above, the Senate can modify any of the above regulation from time to time.

5. AWARDS

5.1.1 Institute Awards/Medals

- Chairperson's gold medal is awarded to the overall topper of the institute at BTech level.
- A gold medal is awarded to the topper of each branch at BTech, MSc and MTech level.

5.1.2 Scholarship

List of ONLINE/ OFFLINE various schemes of the Scholarship/ financial assistance for the students of UG / PG/PhD:

State Govt. Scholarship	
1.	Punjab
2.	Rajasthan
3.	Uttar Pradesh
4.	Madhya Pradesh
5.	Jharkhand E-Kalyan
6.	Bihar (Portal Opened for Apply)
Central Govt. Portal For Scholarship	
1.	National Scholarship Portal (NSP-2.0)
2.	UGC Fellowship

3.	CSIR Fellowship
4.	PMSSS For J & K By AICTE
Private Body Scholarship	
1.	Rajasthan Police Welfare Fund
2.	ONGC Foundation
3.	INSPIRE By DST
4.	Hindustan Copper
5.	ONGC PG
6.	Prime Minister Scholarship
7.	A D Police Welfare
8.	BSNL
State Offline Scholarship	
1.	Maharashtra
2.	Tamil Nadu

6. HOSTELS

There are ten boys' hostels and three girls' hostels. The facilities of reading room, indoor games, etc. are available in each hostel. Internet facility is provided in most of the hostels. Other facilities like LCD/ LED TVs, Geysers, Water purifiers and Water coolers are provided in all the hostels.

6.1. Council of Wardens:

S. No	Name of the faculty	Hostel	Office No.	Email-id
1	Dr. Shailendra Bajpai	Chief Warden	0181-5037574 (Ext:2408)	bajpais@nitj.ac.in
2	Dr. Ranchan Chauhan	Deputy Chief Warden & Warden Boys Hostel No 1	0181-5037726 (Ext:-3123)	chauhanr@nitj.ac.in
3	Dr. Nitin Naresh Pandhare	Warden Boys Hostel No. 2	0181-5037580 (Ext:-2414)	pandharenn@nitj.ac.in
4	Dr. Prashant Kumar	Warden Boys Hostel No. 3	0181-5037609 (Ext:-2519)	prashantk@nitj.ac.in
5	Dr. MohitKumar	Warden Boys Hostel No. 4	0181-5037469 (Ext: -1603)	kumarmohit@nitj.ac.in
6	Dr. Samayveer Singh	Warden Boys Hostel No. 5	0181-5037604 (Ext: 2514)	samays@nitj.ac.in
7	Dr. Manoj Kumar Singh	Warden Boys Hostel No. 6	0181-5037717 (Ext:-3114)	kumarm@nitj.ac.in
8	Dr. K P Sharma	Warden Boys Hostel No.7, 7e	0181-5037602 (Ext:-2512)	singhdk@nitj.ac.in
9	Dr. Dwesh Kumar Singh	Warden Mega Hostel Boys Block -A	0181-5037719 (Ext: 3116)	singhdk@nitj.ac.in
10	Dr. Kapil Kumar Goyal	Warden Mega Hostel Boys Block -B	0181-5037660 (Ext:2813)	goyalkk@nitj.ac.in
11	Dr. Afzal Sikander	Warden Mega Hostel Boys Block -F	0181-5037680 (Ext:2911)	afzals@nitj.ac.in
12	Dr. Rakesh Kumar	Warden Mess Mega Boys Hostel	0181-5037543 (Ext: 2213)	rakeshkumar@nitj.ac.in
13	Dr. RupaliSatavalekar	Warden Girls Hostel No 1	0181-5037556 (Ext:-2310)	satvalekarr@nitj.ac.in
14	Dr. Deepika Rani	Warden Girls Hostel No 2	0181-5037699 (Ext:-3009)	ranid@nitj.ac.in
15	Dr. Neelam Rani	Warden Mega Hostel Girls	01815037563 (Ext: 2317)	ranin@nitj.ac.in

6.2. General Information regarding hostel:

1. The hostel facility is available to the regular students who are on the rolls of the institute depending upon the availability. The students who wish to stay with their parents or guardians outside the campus for short period may be allowed to do so with the permission of the competent authority.
2. Hostel wardens are appointed for each hostel and they exercise 'general supervision' and 'control' over the inmates.
3. Hostel attendants are available round the clock in hostel. In case of any problem related to the hostel, the student should contact/meet the attendant.
4. In case of illness or medical emergency hostel resident should inform to the concerned warden through hostel staff.
5. Possessing any kind of motorized vehicle, e.g. car, scooter, motorcycle, moped etc. by the hostlers is not permitted.
6. Any hostler is allowed to go to his/her home (only) during vacations/weekends against intimation to the hostel office. It is mandatory to fill the hostel leave form and submit to the security guard at hostel gate.
7. Institute does not own the responsibility of theft and loss of any items possessed by the inmates (like laptop, mobile phone, tablet etc.). However, in the interest of inmates it is advised here that they may get insured their valuables.
8. All hostlers are required to observe the hostel timings strictly. The gate timings of the hostels are decided by the competent authority from time to time. In case of un-avoidable circumstances students shall have to take special permission in advance from the concerned warden to stay out for late hours.
9. For any kind of meeting in hostel premise, prior written permission/approval is mandatory from the competent authority.
10. The students shall make proper use of common rooms having newspapers, literature and other articles meant for indoor games. The hostel warden will fix hours of the common room from time to time.

6.3. Hostel Rules:

Disciplinary Rules: -

1. No student should be in possession of fire-arm, lethal weapon, alcohol or drugs, poisonous thing or intoxicant of any kind in the hostel. If anyone found guilty of having said material is considered breach of the rule and shall be liable to be expelled from the hostel, apart from any other punishment that may be posed to him/her by the Chief Warden/Institute Discipline Committee or by law of land.
2. Any student found involved in making comments on political parties or Govt. and making anti national comments or statements and sharing it on social media (like twitter, face book, Whatsapp etc.) will be liable to strict disciplinary action including expulsion from hostel with immediate effect. He /She will be suspended from classes or may be rusticated and will be liable for suitable legal action.
3. No anti-social, gender-based, caste-based, religion-based and region-based comments/statements are acceptable from the students/hostel residents. This will be liable to strict disciplinary action as mentioned in para (2).
4. Any type of students' gathering/campaign/agitation/protest and threatening the faculty/staff/student is not permitted in the premises of hostel/Institute. However, any campaign for the social awareness or well being or social concern may be organized with the prior permission of competent authority.
5. Any type of electrical appliances (electric kettle, heaters, iron, induction etc) is not allowed in hostel room. If any student is found keeping these things in his/her room, he/she will be liable to disciplinary action.
6. The students should not indulge in activities amounting to an act of indiscipline and misdemeanor such as:
 - Disturbing the classes, misbehavior with teachers and students taking examination or in any other academic activity.
 - Interfering with the functioning of various committees.
 - Defacing the building or any structure by writing slogans and pasting bills and damaging the Institute property.
 - Rash driving, driving on the pedestrian path, triple riding and parallel driving in restricted areas/Institute Campus.
 - Making obscene gestures in the campus while roaming and sitting in and around the campus.
 - Use of mobile phone in the classes, library and examination center.

-The above mention discipline rules are also applicable to students not staying in hostel except point number 5.

The students involved in indiscipline activities will be penalized as per decision of the Institute Discipline committee. However, may be directly imposed penalty as mentioned below:

1. Cancellation of admission.
2. Suspension from attending classes.
3. Withholding/withdrawing scholarship/fellowship and other benefits.
4. Debarring from appearing in any test/examination or other evaluation processes.
5. Withholding results.
6. Debarring from representing the institution in any national or international meet, tournament, youth festival, conference etc.
7. Suspension/expulsion from the hostel.
8. Rustication from the institution.

9. Expulsion from the institution and consequent debarring from admission in other institutions.
10. Fine up to Rs. 50,000/-
11. Collective punishment will be awarded if the individuals committing indiscipline are not identified.

6.4. Room Allotment Rules: -

1. The student must be personally present at the time of allotment of rooms and he/she may be allowed to choose his/her roommates.
2. Every boarder is provided with a chair, a table and a cot. He/ She will be responsible for these items and other electrical fittings etc. Furniture and electrical fittings are not to be moved from one room to another.
3. All the boarders shall vacate the hostel rooms before they leave for vacation so that annual repairs/maintenance and white washing etc may be carried out.
4. All the hostel room articles issued (at the time of room allotment) to the students will be returned/ surrendered to the hostel staff/attendant/clerk before leaving the hostel during or at the end of the session.
5. The room occupants will be responsible for any loss or damage to the items issued to him/her (at the time of room allotment) and the same will be recovered from them as decided by the competent authority.
6. No boarder is allowed to change his/her room without the permission of the Warden and shall have to vacate accommodation as and when asked for.
7. Each room occupant should lock his/her room. Any room found unlocked due to the negligence of the student/resident will be charged fine as decided by competent authority.

6.5. Mess Rules:-

The messes of all hostels operate on cooperative basis. A committee of the students from every hostel manages the affairs of the mess under the supervision of wardens.

1. While visiting the dining hall, the common room and canteen, the students should be in their proper dress.
2. All hostel inmates are required to follow the norms of the hostel/mess and required to deposit the mess advance (mess charges, maintenance charges, extra meal charges, service charges etc) as decided from time to time in each semester by the hostel authorities for availing mess facility. Minimum 55 diets are mandatory for every hostel resident. The remaining balance of mess advance (if any) will be refunded after one year or the student leaves hostel whichever is earlier.
3. Wastage of food is strictly prohibited; the same may be liable to charging of fine as decided by the Competent authority.

6.6. Student's Guest Rule: -

1. No outsider is allowed to stay in the hostel. However any relative/guest of the student may be allowed with prior permission of the competent authority.
2. The permissible guests include father/ brother and mother/sister (in case of girl students) provided he/she comes from a far-off place.
3. Female guests are not permitted to stay in boys' hostel. Likewise male guests are not permitted to stay in the girls' hostel.
4. A boarder keeping a guest without the prior permission of the Warden is liable to be penalized.
5. Students/room occupants are not allowed to stay/sleep in the room of fellow student during daytime/night Even with his/her Consent.

6.7. Withdrawal/Expulsion from the Hostels:-

1. After the general allotment, application for withdrawal from the hostel should be counter-signed by the father/guardian and submitted to the hostel warden. It should also be ensured that the student does not owe any hostel dues.
2. The Director/ DSW/ Chief Warden may expel a boarder from the hostel, if he/she is in the habit of staying away without intimation to the hostel office, or hostel fee and mess dues are not cleared in time.
3. Students who do not clear their dues, such as dues of the hostel mess, canteen, fine etc. by the prescribed date will not be registered for the subsequent semester until and unless, they clear all their dues and submit "No Dues Certificate" from the Account Section and the concerned hostel warden.
4. The students who leave the Institute after completing the degree requirements or otherwise, their result as well as the provisional certificate/ degree will be withheld till **NO DUE CERTIFICATE** is produced.
5. No boarder shall leave the hostel without handing over the charge of the room as per the inventory issued at the time of allotment.

7. COMMON FACILITIES AND CO-CURRICULAR ACTIVITIES

7.1 The Students' Activity Centre (SAC)

The Students' Activity Centre is the nerve Centre of all the student activities on the campus. The Centre comprises of a club building, gymnasium hall, open-air theatre, and hobbies workshop, which cater to various extra-curricular activities of the students.

7.2 Canteen

Day and night canteen facility is available for the students, staff and faculty.

7.3 Book Shop

There is a bookshop situated in the shopping complex of the institute, where Xerox facility is also available. Additionally, a separate Xerox facility is available in the Library.

7.4 Students' Counseling Service (SCS)

Faculty members are appointed as Academic Counselors for each batch and each discipline. Academic Counselors assist the students in sorting out their difficulties and dilemmas relating to their living in campus - away from their homes and competitive academic pressures.

7.5 Technical Club

Technical Club functions under "clubs and hobbies activities" of the institute. The objective of the technical club is to bring together faculty and students on a common platform to exchange ideas, share knowledge on emerging technologies.

7.6 Benevolent Fund Scheme

The Institute has setting up NIT Benevolent Fund Scheme for the benefit of its students. All students admitted to the institute are required to donate an amount of Rs. 100/- on one-time basis. This amount shall be claimed from the student at the time of their first registration.

7.7 Medical Facilities

The Institute has a dispensary in the campus to provide the medical assistance to the students round the clock. There is one regular doctors (one male) and para-medical staff for the required medical service. The consultation is also provided to the members of the faculty/staff residing in the campus. In case of medical emergency, the ambulance van is available 24 hours for taking patient(s) to other hospitals for the necessary treatment.

Name	Designation	Qualification	Email
Dr Tarun Sehgal	Medical Officer	MBBS	sehgalt@nitj.ac.in

7.8 Bank and Post office

There are two banks and a post office in the Institute premises to cater the need of the campus residents. Further, the ATMs by State Bank of Patiala and Canara Bank remain functional round the clock.

7.9 Newsletter

The Institute brings out half yearly newsletters reflecting activities of students, faculty and staff in each year.

7.10 Identity cards

Every student is required to keep with his/her identity card issued by the institute while moving in or outside the campus.

7.11 Curricular Activities

Institute has different clubs for extra-curricular activities. The students can join different clubs based on their interest. The schedule of different activities will be notified by the respective faculty coordinators. The list of various clubs and faculty coordinators is as below.

List of Events

Sr. No.	Club Name	Faculty In-Charge / Coordinator(S)	Email Ids	Contact Numbers
1	Music Club	Dr. Aruna Malik (CSE)	malika@nitj.ac.in	86999-37336
2	Photography & Movie Club	Dr. Abhinav Pratap Singh (PY)	jaiswarsinghap@nitj.ac.in	99152-40730
3	Dance Club	Dr. Preeti Puri (H&M)	purip@nitj.ac.in	78310-78758
4	Literary & Debating Club	Dr. Shyam Kiran Kaur (H&M)	kaursk@nitj.ac.in	84273-33415
5	Fine Art Society	Dr. Sadhika Khullar (CM)	khullars@nitj.ac.in	80546-28675
6	Dramatics Club	Dr. Sumer Singh Meena (BT)	mennass@nitj.ac.in	99112-53494
7	Arogya Club	Dr. Tarun Sehgal (MO)	sehgal@nitj.ac.in	98147-53537
8	Creativity & Web Design Club	Dr. Urvashi (CSE)	urvashi@nitj.ac.in	89685-22600
9	Spic Macay Club	Dr. Indu Saini (ECE)	sainii@nitj.ac.in	98769-50214
10	Animation Club	Dr. Amritpal Singh (CSE)	apsingh@nitj.ac.in	99881-90036
11	Humour Club	Dr. Mahesh Patel (Civil)	patelm@nitj.ac.in	90856-84240
12	Food & Flavour Club	Dr. Kapil Kumar Goyal (IPE)	goyalkk@nitj.ac.in	80590-00377
13	Sanskriti Club	Dr. GhanShyam Neje(TT)	nejegs@nitj.ac.in	87438-83994
14	Green Club	Dr. Shailendra Singh Bhadauria (IPE)	bhadauriass@nitj.ac.in	97790-30399
15	Quest Club	Dr. Gyan Prakash (H&M)	prakashg@nitj.ac.in	86748-04027
16	Yoga & Meditation Club	Dr. Neetu Sood (ECE)	bajpais@nitj.ac.in	98888-95253
17	NSS	Dr. Kiran Singh (PY)	singhkp@nitj.ac.in	98931-34824
18	NCC	Dr. Dinesh K. Shukla (ME)	shukladk@nitj.ac.in	94781-28407
19	SARC	Dr. Manoj Kumar(ME) & Dr. Gurraj Singh (IPE)	kumarm@nitj.ac.in singhg@nitj.ac.in	97935-57548 98888-53154
20	Social Works Club	Dr. Narendra Kumar (IPE)	kumarn@nitj.ac.in	79875-83937
21	Rural Activity Club	Dr. Ashok Kumar (ME)	baghaak@nitj.ac.in	96506-32885
22	TEDx	Dr. Samayvir Singh (CSE)	samays@nitj.ac.in	99537-41966
23	Regional Language Club	Dr. Jagwinder Singh (H&M)	singhj@nitj.ac.in	95011-03708
24	gaNIT Club	Dr. Anupam Yadav (Mathematic)	anupam@nitj.ac.in	96272-73447

8. DEPARTMENTS

8.1 Department of Chemistry

List of Faculty

Name	Designation	Qualification	Email id
Dr Balbir Singh Kaith	Professor (HAG)	Ph.D. (Panjab University, Chandigarh)	kaithbs@nitj.ac.in
Dr N C Kothiyal	Professor (HAG)	Ph.D. (ISM, Dhanbad)	kothiyalnc@nitj.ac.in
Dr Rajeev Jindal	Associate Professor & Head	Ph.D. (Panjab University, Chandigarh)	jindalr@nitj.ac.in
Dr Jaspreet Kaur Rajput	Associate Professor	Ph.D. (Punjabi University, Patiala)	rajputj@nitj.ac.in
Dr Sangeeta Obrai	Associate Professor	Ph.D. (GNDU, Amritsar)	obrais@nitj.ac.in
Dr Uma Shanker	Associate Professor	Ph. D. (IIT, Roorkee)	shankeru@nitj.ac.in
Dr Sadhika Khullar	Assistant Professor	Ph.D. (IISER, Mohali)	khullars@nitj.ac.in
Dr Vickram Jeet Singh	Assistant Professor	Ph.D. (GNDU, Amritsar)	singhvj@nitj.ac.in
Dr Vimal Kumar	Assistant Professor	Ph.D. (GNDU, Amritsar)	bhardwajvk@nitj.ac.in
Dr Rakesh Kumar	Assistant Professor	Ph.D. (The City University of New York, USA)	rakeshkumar@nitj.ac.in

Academic Programmes

M.Sc.: A two-year M Sc Programme in Chemistry is being offered by the Department

Ph D Programmes: Full Time and Part Time Ph D Programmes in areas of Nano Environmental Chemistry, Smart Polymers and Materials, Natural Products Chemistry, Nano and Green Composites, Modification of Natural Fibers, Nanocomposites, Nano Surface Chemistry, Environmental Chemistry, Hydrogels, Biodegradable green composites, Coordination chemistry, Bioinorganic Chemistry, X-ray crystallography, Computational chemistry, Nanocatalyst, Advance Materials, Wastewater treatment by functionalized nanomaterials, Green fabrication of new nanomaterials/nanocomposites. Generation of smart materials Multifunctional Porous Materials for energy, environmental and catalysis applications, Supramolecular Chemistry, Smart Wettability Surfaces and their applications, Oil-Water/Emulsion Separation, Ionic Liquids, Solution Chemistry, Organic synthesis for medicinal and materials applications, Photoredox catalysis, Chemistry of arynes.

In addition to the above mentioned programmes, B.Tech core/elective courses are offered by the Department to the engineering disciplines

Laboratory Facilities

For Undergraduate Programme:

Chemistry Laboratories (UG-I)
Chemistry Laboratories (UG-II)

For Postgraduate Programme

Organic Chemistry Laboratory
Inorganic Chemistry Laboratory
Physical Chemistry Laboratory

Research & Development Laboratories:

Polymer and Nanomaterials Laboratory
Natural Product and Medicinal Chemistry Laboratory
Advanced Synthesis and Catalysis Research Laboratory
Inorganic Green Chemistry Laboratory
Smart Materials Research Laboratory
Material Testing Laboratory
Nano Surface and Environmental Research Laboratory
Advanced Thermodynamics Research Laboratory

Sponsored Research Projects

- Project on "Gamma-radiation induced synthesis of super-absorbents and impact of swift heavy ions bombardment on the physico-chemical properties" IUAC-New Delhi, 2014 (Dr B S Kaith & Dr Uma Shanker)
- UGC-research Project on "Functionalization of Psyllium through Graft Co- polymerization and interpenetrating net-work formation to develop Novel materials and their applications as drug delivery devices" of worth Rs. 04,19,600/- Sanctioned vide letter No. F. No. 32- 225/2006 (SR) dated February 23, 2007 (Dr B S Kaith)
- UGC research project on "Preparation of Natural Fiber Graft Co-polymers Reinforced Composites using Phenol-Formaldehyde as Novel Matrix Resin " worth Rs. 06,16,600/- Sanctioned vide letter No. F.30 – 80/2004(SR) dated November 01, 2004. Effective from March, 2005 (Dr B S Kaith)
- Faculty-Individual Project on "Graft Co-polymerization of various vinyl monomers onto Natural Fibers" worth Rs. 1.30 Lacs (Dr B S Kaith)
- MODROB Project, MHRD, New Delhi Rs. 15.0 Lakhs Financial Grant Received 1994-96 (Dr. Z M Siddiqi and Dr. N C Kothiyal)
- Biodegradation of Tannery Waste , R&D project AICTE, New Delhi Rs. 6.0 Lakhs Financial Grants Received 1998 (Dr. S B S Mishra)
- Assessment and Control of Lead Pollution from Vehicular Emission in the Urban Environment of Punjab, Research and Development scheme of MHRD, New Delhi. Rs. 8 Lacs September/October 1997 (Financial Grants Received) Project Sanctioned Letter No.F.26/98/TS 1 dated January, 1997 (Dr. N C Kothiyal)
- Effect of Functionalization and Particle size of Graphene powder and Pure MWCNT on Mechanical properties, Microstructures and crystallization behaviour of cement Mortar Composites" TEQIP-III, 2015, (Prof. N C Kothiyal)
- Distribution of Heavy Metal pollutants in aquatic environment of Punjab, AICTE Project New Delhi, Rs. 6 Lac Financial Grant year, 1998 (Dr. Z.M. Siddiqi)
- Investigation on the Effect of ionic liquids on self assembly of various surfactants in aqueous media, (Sanctioned by SERB, DST New Delhi) worth Rs. 30 Lac. (Dr Harsh Manchanda)
- Synthesis of Functionalized Biomaterials with biological applications to understand Protein-Protein Interactions. (Sanctioned by Nano Mission, DST New Delhi) (As Co-PI) worth Rs. 54.5 Lacs (Dr Harsh Manchanda)
- "Application of Building Blocks from MBH Chemistry for the Synthesis of Privileged Scaffolds", Rs. 23.70 Lacs, DST, New Delhi, 2013 (Dr. Virender Singh)
- "Natural Product Inspired Design, Synthesis, and Anticancer Evaluation of β -Carboline Derivatives", Rs. 15 Lacs, CSIR, New Delhi, 2015 (Dr. Virender Singh & Dr B S Kaith)
- Development of New Platform for A3-Coupling and other Multicomponent Reactions towards Drug-Like Molecules using Transition Metal Catalysis (Dr. Virender Singh and Dr B S Kaith)
- SERB, DST Sponsored Project, "Nature-Inspired Smart Surfaces with Extreme Wettability for Separation and Solute Transport", SERB, 2019 (Dr Vickram Jeet Singh)

8.2 HUMANITIES AND MANAGEMENT

Faculty

Name	Designation	Qualification	Email
Dr S J S Bedi	Associate Professor	PhD (GJUST)	bediss@nitj.ac.in
Dr Jagwinder Singh	Associate Professor & Head	PhD (PU)	singhj@nitj.ac.in
Dr. Sonia Chawla	Associate Professor	PhD (GNDU)	chawlas@nitj.ac.in
Dr Aditya Prakash	Associate Professor	PhD (JNU)	prakasha@nitj.ac.in
Dr Gyan Prakash	Assistant Professor	PhD (IIT-ISM Dhanbad)	prakashg@nitj.ac.in
Dr Nagendra Singh Nehra	Assistant Professor	PhD (IIT Roorkee)	nehrans@nitj.ac.in
Dr Shyamkiran Kaur	Assistant Professor	PhD (CUP), MPhil (CUP)	kaursk@nitj.ac.in
Dr Preeti Puri	Assistant Professor	PhD (HPU)	purip@nitj.ac.in
Dr Gaurav Kumar	Assistant Professor	PhD (IIT Kharagpur)	kumarg@nitj.ac.in
Dr Radhakrishna G S	Assistant Professor	PhD (NIT Tiruchirappalli)	gsradhakrishna@nitj.ac.in

Academic Programmes

Under Graduate Programmes

The department offers the core and elective courses to the B Tech students of all the disciplines. The compulsory courses in the B Tech stream are Management Concepts and Indian Constitutional Framework, English Communication and Report Writing, English Communication Laboratory, Economics for Engineers, Entrepreneurial Development and Management, Human Resource Management and Marketing Management. Open electives courses include Financial Management, Strategic Management, Organizational Behavior and Business Environment, Leadership and Organizational Change.

Post Graduate Programme

The Department offers two years' full time MBA Programme at par with leading management schools with specialization in Human Resource Management, Marketing Management, and Financial Management.

PhD Programme

The Department offers Full / Part Time PhD Programme in Business Management (Human Resource Management, Strategic Management, Marketing Management and Entrepreneurship Development & Management) & English Literature and Linguistics.

Field of Expertise

- Sociolinguistics, Communication, and Literature
- Gender Studies, Diaspora, Postcolonial Theory, Comparative Literature and Soft Skills
- Schizo analysis of Literature/ Deleuze and Guattarian Studies
- Psychoanalysis/ Posthumanism and Popular Culture
- Health Humanities
- Literary and Critical Theory, American Literature, Comic Studies.
- Marketing, Consumer Behavior, Relationship Marketing, Consumer Loyalty, Social Marketing, Organizational Change, and Educator Development
- Human Resource Management
- Financial Management, Behavioral Finance, Financial Economics, Stock market and Portfolio Management, Fintech, and Corporate Governance
- Green Marketing, sustainable purchase behavior, Brand Management, Services Marketing, Rural Marketing and Retail Marketing
- Psychology, Employee Engagement, Psychological Detachment, Job Crafting, Spirituality, Intrinsic Motivation, Emotional Maturity, Locus of Control, Personal Effectiveness, Organizational Behavior
- Bankruptcy Prediction, Financial Distress Prediction, Capital Structure Decision, Dividend Decision, Working Capital Management, Financial Performance, Mutual Funds, Banking Sector, Financial Planning
- Corporate Finance, Capital Markets, Banking, Green and Climate Finance, Financial Accounting

Laboratory Facilities

Communication Laboratory: Communication leads to empowerment. To empower a student, a communication laboratory plays a pivotal role. It helps to polish and enrich the communication skills of the students. The objective is to groom an engineer with strong spoken and written communication skills.

Computational Laboratory: Computational Laboratory is an essential source of learning. It not only broadens the horizon and intellect of a student but also helps him to be articulate in his approach. Any formal medium of education is incomplete without Information Technology. Therefore, the Department has specially setup the computational laboratory for the students.

Research & Development

Research is central to the vision of the department and consistent with this, a thriving research culture has been developed. The department has achieved significant success in terms of publications in internationally referred journals. In addition, an inclination towards research is evident in faculty members of the department who actively present and publish research work, reference papers and articles in national and international journals & conferences.

Consultancy Projects

Consultancy is an essential component in public-private partnership. It helps to understand the requirement of the industry and to design the courses for the students accordingly. The Department offers consultancy in the field of Entrepreneurship Development and Management, Marketing Management, Human Resource Management, English Literature & Linguistics, communication and Soft Skills.

Sponsored Research Projects

ICSSR sponsored project entitled "Role of Blockchain in Higher Education Management: Present and Future Application in Punjab Region".

8.3. MATHEMATICS

Faculty

Name	Designation	Qualification	Email
Dr Jaspal Singh Aujla	Professor	Ph. D. (PU), Post Doctorate University of Lisbon, Senior Associate (2011-2017), International Center for Theoretical Physics, ITALY	aujla@nitj.ac.in
Dr Damanjit Kaur	Associate Professor	Ph. D. (HPU)	kaurd@nitj.ac.in
Dr Geeta Partap	Associate Professor	Ph. D. (KUK)	pratapg@nitj.ac.in
Dr Raghaw Raman Sinha	Associate Professor	Ph. D. (BHU)	sinharr@nitj.ac.in
Dr. Anupam Yadav	Associate Professor	Ph.D. (IIT Roorkee), Post Doctorate (Korea University, Seoul, ROK)	anupam@nitj.ac.in
Dr. R. Sivaraj	Associate Professor	Ph.D. (VIT Vellore), Post Doctorate (UAE University, UAE)	sivarajr@nitj.ac.in
Dr. Ravinder Singh	Assistant Professor	Ph.D. (IIT Kanpur), Post Doctorate (Institute of Mathematics and Applications, Bhubaneswar, Odisha)	singhr@nitj.ac.in
Dr. Deepika Rani	Assistant Professor	Ph.D. (IIT Roorkee)	ranid@nitj.ac.in
Dr. M. Zafar	Assistant Professor	Ph.D. (IIT Bombay)	zafarm@nitj.ac.in
Dr. Sukhjot Singh	Assistant Professor	Ph.D. (IIT Kharagpur)	kundalss@nitj.ac.in
Dr. Neha Yadav	Assistant Professor	Ph.D. (MNNIT Allahabad), Post Doctorate (Korea University, Seoul, South Korea)	yadavn@nitj.ac.in
Dr. Ravinder Kumar	Assistant Professor	Ph.D. (HPU)	thakurk@nitj.ac.in
Dr. S Kumar	Assistant Professor	Ph.D. (IIT Madras)	katiyarsk@nitj.ac.in

Academic Programmes

M Sc Mathematics

A two-year M.Sc. programme in Mathematics is being offered by the Department.

Ph D (Full and Part Time)

Full Time and Part Time Ph D Programmes in area of Commutative Algebra, Wavelet & Finite Element Methods for Partial Differential & Integral Equations, Numerical analysis and Computer Programming, Linear Algebra, Operator Theory, Matrix Analysis, Statistics, Applied mathematics (Mechanics of Solids), Micro polar Elasticity, Fluid Dynamics, Multi-objective Optimization, Fuzzy optimization, Swarm Intelligence, Evolutionary Computation, Fixed Point Theory and Its applications, Fractal Geometry, and Fractal Functions are offered by the Department.

In addition to the above-mentioned Programmes, B Tech/MTech core/elective courses are offered by the Department to the engineering disciplines

Field of expertise

- Commutative Algebra
- Linear Algebra
- Operator Theory
- Optimization
- Evolutionary Computation
- Matrix Analysis
- Solid Mechanics
- Numerical Analysis
- Statistics (Sampling Techniques)
- Fluid Dynamics
- Micor Polar Elasticity
- Multi-Objective Optimization
- Fuzzy Optimization
- Fixed Point Theory and Its applications
- Fractal Geometry
- Artificial Neural Networks

Departmental Summary

Awards/Recognition to the faculty	Dr. Jaspal Singh Aujla was awarded Senior Associateship at Abdul Salem International Centre for Theoretical Physics, Trieste, ITALY (2011-2017)
Membership of Societies	<p>Dr. Jaspal Singh Aujla</p> <ol style="list-style-type: none"> 1. Member of American Mathematical Society 2. Member of Indian Mathematical Society 3. Membership of Ramanujan Mathematical Society 4. Member of Punjab Academy of Sciences <p>Dr. Damanjit Kaur</p> <ol style="list-style-type: none"> 1. The Indian Society of Theoretical and Applied Mathematics 2. Ramanujan Mathematical Society 3. Indian Mathematical Society <p>Dr. Geeta Partap</p> <ol style="list-style-type: none"> 1. Member of Indian Society of Theoretical and Applied Mechanics 2. Member of Calcutta Mathematical Society 3. Member of Ramanujan Mathematical Society 4. Member of Punjab Science Congress <p>Dr. Raghaw Raman Sinha</p> <ol style="list-style-type: none"> 1. Member of Indian Statistical Association 2. Member of International Indian Statistical Association 3. Membership of Ramanujan Mathematical Society 4. Life membership of Indian Society of Agricultural Statistics <p>Dr Anupam Yadav</p> <ol style="list-style-type: none"> 1. Member Society of Industrial and Applied Mathematics (SIAM) 2. Member Ramanujan Mathematical Society <p>Dr. R. Sivaraj</p> <ol style="list-style-type: none"> 1. Member of the Indian Science Congress Association (L0026) 2. Member of the Indian Mathematical Society (L/2018/100) 3. Member of the Indian Society of Theoretical and Applied Mechanics (L/874) <p>Dr. Deepika Rani</p> <ol style="list-style-type: none"> 1. Member of Operational Research Society of India 2. Member of Ramanujan Mathematical Society 3. Member of the International Association of Engineers 4. Member of Soft Computing Research Society <p>Dr. M. Zafar</p> <ol style="list-style-type: none"> 1. Member of Indian Mathematical Society 2. Member of Ramanujan Mathematical Society 3. Member of ISTAM <p>Dr. Ravinder Singh</p> <ol style="list-style-type: none"> 1. American Mathematical Society 2. Indian Mathematical Society 3. Ramanujan Mathematical Society <p>Dr. Ravinder Kumar</p> <ol style="list-style-type: none"> 1. Member of International Linear Algebra Society 2. Member of Indian Mathematical Society 3. Member of Ramanujan Mathematical Society 4. Member of IAENG <p>Dr. Sukhjot Singh</p> <ol style="list-style-type: none"> 1. Member of Society of Industrial and Applied Mathematics (SIAM) 2. Member of Indian Mathematical Society 3. Member of Ramanujan Mathematical Society <p>Dr. Neha Yadav</p> <ol style="list-style-type: none"> 1. Life Member, Ramanujan Mathematical Society 2. Life Member, Soft Computing Research Society

Research and Development

The faculty of the department is interested in the following research areas: Commutative Algebra, Wavelet & Finite Element Methods for Partial Differential & Integral Equations, Numerical analysis and Computer Programming, Linear Algebra, Operator Theory, Matrix Analysis, Statistics, Applied mathematics (Mechanics of Solids), Micro polar Elasticity, Fluid Dynamics, Multi-objective Optimization, Fuzzy optimization, Swarm Intelligence, Evolutionary Computation, Fixed Point Theory and Its applications, Fractal Geometry, Fractal Functions and Artificial neural networks for solving partial differential equations.

Dr. Jaspal Singh Auja has been selected as Senior Associate for a period of six years (2011-2016) at Abdul Kalam International Centre for Theoretical Physics, Trieste, Italy

Major collaboration (National/International)

Dr. Jaspal Singh Auja

- [H L Vasudeva, Panjab University, India](#)
- Dr. F.C. Silva, University of Lisbon Portugal
- Dr. J C Bourn, France
- Koenraad MR Audenaert, College of William and Mary, England
- S S Dragomir, Australia
- M S Moslehian, Iran
- Dr. Mandeep Singh, SLIET, Longowal
- M C Wadhawan, India
- Sheo Kumar, India
- Jagjit Singh Matharu, India
- Isha Garg, India
- Rupinderjit Kaur, India
- Y Kapil, India
- Rajinderpal, India
- Manisha Devi, India

Dr. Raghaw Raman Sinha

Prof B B Khare, BHU, India
Prof [Chandra Shekhar BITS-Pilani](#)
Dr Vinod Kumar, India

Dr Anupam Yadav

Prof Joong Hoon Kim (Korea University)
Prof Lipo Wang NTU Singapore
Prof Patrick Siarry, France
Dr Ali Sadollah, USNC Iran
Dr Atulya Nagar, Liverpool Hope University

Dr. M. Zafar

Prof. V. D. Sharma (F.N.A, F.N. A.Sc. IIT, Bombay)
Dr. T. Raja Sekhar (IIT Kharagpur)

Dr. Deepika Rani

Prof. Ali Ebrahimnejad, Islamic Azad University, Iran
Prof. J. L. Verdegay, University of Granada, Spain
Prof. Boris Perez Canedo, University of Cienfuegos, Cuba

Dr. Ravinder Kumar

Prof. Rajesh Sharma, HPU Shimla

Dr. Sukhjit Singh

Prof. D.K. Gupta, Indian Institute of Technology Kharagpur, India
Prof. J. Kumar, Indian Institute of Technology Ropar, India
Dr. R.P. Badoni, Ecole Centrale School of Engineering, Mahindra University, India
Prof E. Martinez, University of Polytechnic Valencia, Spain

Prof. M.A. Hernandez, University of La Rioja, Spain
Prof. A.A. Magrenan, University of La Rioja, Spain
Prof. A.M. Wazwaz, Saint Xavier University Chicago, USA
Prof. T. Matsoukas, Pennsylvania State University, USA
Dr. Mehakpreet Singh, University of Limerick, Ireland
Prof. G. M. Walker, University of Limerick, Ireland

Dr. R. Sivaraj

Prof. Vajravelu Kuppalappalle, University of Central Florida, Orlando, USA
Prof. Rathinam Panneer Selvam, Department of Civil Engineering, University of Arkansas, USA
Dr. Anwar Bég O, University of Salford, Salford, United Kingdom
Dr. Chamkha, AJ, Kuwait College of Science & Technology, Doha, Kuwait
Prof. Makinde O.D., Stellenbosch University, Stellenbosch, South Africa
Dr. Ho-Hon Leung, United Arab Emirates University, Al Ain, United Arab Emirates
Dr. Firuz Kamalov, Canadian University Dubai, Dubai, United Arab Emirates
Dr. Animasaun Isaac Lare, Federal University of Technology, Akure, Akure, Nigeria
Dr. Gunakala Sreedhara Rao, The University of the West Indies, St. Augustine Campus, Trinidad and Tobago
Dr. Sankar, M., University of Technology and Applied Sciences, Ibri, Oman
Dr. M.M. Rashidi, Tongji University, Shanghai, China
Dr. Job Victor M., The University of the West Indies, Kingston, Jamaica

Dr. Neha Yadav

Dr. K.S. McFall, NVIDIA, USA
Dr. Rong Su, NTU Singapore
Dr. Hassan Sayyaadi, SUT Iran
Dr. Kaizhou Gao, NTU Singapore
Prof Joong Hoon Kim, Korea University, S. Korea
Dr Atulya Nagar, Liverpool Hope University, U.K.
Prof. Kusum Deep (IIT Roorkee), India

Laboratory Facilities

- Computing Laboratory for M Sc/Ph D programme

Sponsored Research Projects

- DST-SERB Project entitled "Study of Higher Order Iterative Methods for Solving Nonlinear Equations"
- NBHM (DAE, Govt. of India) funded research project entitled Existence of global classical solution to the interaction of bi-symmetric four planar rarefaction waves
- NBHM (DAE, Govt. of India) funded research project entitled A Study of QQR-Property and Extensions of Commutative Rings With Totally Ordered Set of Intermediate Rings
- SERB (DST, Govt. of India) funded a research project entitled Study of some inequalities involving means, moments and variance with applications, amount Rs. 20,45077/-.
- DST-SERB funded project MATRICS: Development of Projection Algorithm for Solving Convex Feasibility Problems arise in Quantum Computation (Rs. 6,60,000/-)
- DST-SERB funded project under MATRICS grant entitled "Development of ensemble algorithms based on Non-Gaussian models and deep learning neural networks for time series forecasting" (Rs. 6,60,000/-).

8.4. PHYSICS

Faculty

Name	Designation	Qualification	Email
Dr Arvinder Singh	Professor (HAG)	Ph D (GNDU)	arvinders@nitj.ac.in
Dr H M Mittal	Associate Professor & Head	Ph D (DU)	mittalhm@nitj.ac.in
Dr Jyoti Bharj	Associate Professor	Ph D (NITJ)	jyoti@nitj.ac.in
Dr Rohit Mehra	Associate Professor	Ph D (GNDU)	mehrar@nitj.ac.in
Dr Harleen Dahiya	Associate Professor	Ph D (PU)	dahiyah@nitj.ac.in
Dr Praveen Malik	Associate Professor	Ph D (TIET)	malikp@nitj.ac.in
Dr A P Singh	Associate Professor	Ph D (JNU)	jaiswarsinghap@nitj.ac.in
Dr Arvind Kumar	Associate Professor	Ph D (IITD)	kumara@nitj.ac.in
Dr Suneel Dutt	Assistant Professor	Ph.D (PU)	dutts@nitj.ac.in
Dr Vinod Ashokan	Assistant Professor	Ph.D (IIT,Rooke)	ashokanv@nitj.ac.in
Dr Kiran Singh	Assistant Professor	Ph.D (BU, Bhopal)	singhkp@nitj.ac.in
Dr Shishram Rebari	Assistant Professor	Ph.D(IISER Mohali)	rebaris@nitj.ac.in

Academic Programmes

M Sc Physics

A two-year M Sc Programme in Physics is being offered by the Department w.e.f. Session 2006-2007.

Ph D Programmes

Full Time and Part Time Ph D Programmes in areas of Laser-Plasma Interactions, Nuclear Physics, High Energy Physics, Radiation Physics, Liquid Crystal, Thin Films, Nanotechnology and Condensed Matter Physics are offered by the Department.

M. Tech Programme

Part time MTech programme in Material Science and Technology
Full Time MTech in Nuclear Science and Engineering

In addition to the above-mentioned Programmes, B.Tech/M.Tech core/elective courses are offered by the Department to the engineering disciplines

Research and Development

The faculty in the Department has interest in the following research areas:
Laser-Plasma Interaction, Nuclear Physics, High Energy Physics, Radiation Physics, Liquid Crystal, Thin Films, Nanotechnology and Condensed Matter Physics

Laboratory Facilities

For Undergraduate Programme:

- Applied Physics Laboratory
- Material Science Laboratory

For Postgraduate Programme

- Electronics Laboratory
- Scientific Computation Laboratory
- Solid State Physics Laboratory
- Nuclear Physics Laboratory
- Plasma Physics Laboratory
- Spectroscopy Laboratory

Research Laboratory

- Computational Plasma Laboratory
- Radiation Physics Laboratory
- Liquid Crystal Laboratory
- Experimental High Energy Physics Laboratory
- Computational High Energy Physics Laboratory
- Advanced Nuclear Physics
- Environment Monitoring and Assessment Lab
- Carbon Nanostructures: Synthesis and Characterization Lab
- Thin film laboratory
- Multifunctional Research Laboratory
- Computational Quantum Many Body Physics Lab

List of Sponsored Research Projects**❖ Ongoing**

S.No.	Title of Project	Funding Agency	Financial Outlay (in Lakhs)	Year of start & total period	Name of P.I and other Investigators
1	Study of Generalized Transverse Momentum Dependent Distribution and Wigner Distribution of Parton	SERB	6.60	2019 Three years	Dr Harleen Dahiya
2.	Fluctuations and Correlation: A Hunt to QCD Critical End Point.	SERB	5.04	2019 Three years	Dr Arvind Kumar
3.	Many Body correlation effects in one dimensional electronic material	SERB	29.63	2019 Three years	Dr Vinod Ashokan
4.	Investigation of structural correlations at dielectric and magnetic ordering in transition metal oxides	UGC-DAE Consortium for Scientific Research, Indore	10.03	2020 Three years	Dr Kiran Singh
5.	Investigating the effect of different substitutions on the magnetoelectric and spin-lattice coupling in alpha Mn ₂ O ₃ and A ₄ B ₂ O ₉ (A=Ni, Co, Mn, Fe and B=Nb and Ta)	Scientific Engineering and Research Board	44.33	2020 Three years	Dr Kiran Singh
6.	Investigation on the effect of substitution on the magnetic structure and spin-lattice coupling in A ₄ B ₂ O ₉ family (A=Mn, Co, Ni, Fe and B=Nb and Ta)	UGC-DAE Consortium for Scientific Research, Indore	1.35	2022 Three years	Dr Kiran Singh
7	Teacher Associateship for Research Excellence (TARE)- Plasma High Energy Nuclear Physics Astronomy & Astrophysics and Nonlinear dynamics	SERB	3.35	2021 Three years	Dr Harleen Dahiya
8	Investigation the effect of different substitutions on the magnetoelectric and spin lattice coupling in u- Mn ₂ O ₂	SERB	44.33	2021 Three years	Dr Kiran Singh
9.	Preparation and studies of energy efficient semiconducting quantum dots-liquid crystal composites for next generation display devices	CRG, DST	36.41	2023 Three year	Dr Praveen Malik
10	Exploring the Internal Structure of Nucleon with Generalized Parton Distributions and Transverse Momentum Parton Distributions (TARE)	SERB	18.30	2022 Three Years	Dr. Harleen Dahiya, Associate Prof., NIT Jalandhar (Mentor) and Dr Narindar Kumar

❖ Completed

S.No.	Title of Project	Funding Agency	Financial Outlay (in Lakhs)	Duration	Name of P.I and other Investigators
1.	Some Universal Features of Nuclear Structure in Super deformed Nuclei	DST-SERB	13.68	2014-2017	Dr H M Mittal
2.	Strangeness and Charmness in Heavy Ion Collision Experiments	DST-SERB	11.28	2014-2017	Dr Arvind Kumar
3.	Measurement of Radon, Thoron and progeny distribution in different type of houses in Bathinda, Mansa, Muktsar and Faridkot district of Punjab.	BRNS, BARC, Department of Atomic Energy, Govt. of India	34	2011-2017	Dr. Rohit Mehra
4.	Chiral Constituent Quark Model and Proton Spin Problem	SERC FastTrack Proposal for Young Scientists	10.31	2005-2008	Dr. Harleen Dahiya
5.	Hyperon Semi-leptonic Decays in the Chiral Constituent Quark Model	SERB, DST	10.69	2009-2013	Dr. Harleen Dahiya
6.	Electromagnetic Structure of Hadrons at low- Q^2	DAE, BRNS	12.02	2010-2014	Dr. Harleen Dahiya
7.	Generalized and Transverse Momentum Dependent Parton Distributions	SERB, DST	13.32	2014-2017	Dr. Harleen Dahiya
8	Electro-optic and dielectric studies in nanomaterial's dispersed ferroelectric liquid crystals	Department of Science and Technology, New Delhi	27.0	2015-2018	Dr Praveen Malik
9.	Efficient harmonic generation during laser plasma interaction	DST-SERB	18.30	2018-2021	Dr. Niti Kant Prof. Arvinder Singh
10.	Measurement of Terrestrial Natural Radionuclides in the environs of Moga and Ferozepur districts of Punjab	BRNS, BARC, Department of Atomic Energy, Govt. of India	40	2014-2017	Dr. Rohit Mehra
11.	Measurement of Radon, Thoron and their Progeny Distribution in the Different Type of Houses and Natural radioactivity in soil in Hanumangarh, Churu and	BRNS, BARC, Department of Atomic Energy, Govt. of India	36.2	2016-2019	Dr. Sandeep Kansal Dr. Rohit Mehra

	Sri Ganganagar Districts of Rajasthan				
12.	Semi-leptonic, radiative and non-leptonic rare B decays in the light front quark model	SERB, DST	18.85	2018-2021	Dr. Harleen Dahiya
13.	Electrical and optical properties of Zinc and Strontium Stannate thin films	UGC-DAE Consortium for Scientific Research	1.35	2018-2021	Dr Abhinav Pratap Singh
14.	Study of evolution of ZnSnO ₃ phase in pure and doped Zinc stannate thin films with swift heavy ion irradiation	Inter University Accelerator Centre, New Delhi Ihi	6.75	2018-2021	Dr Abhinav Pratap Singh
15.	Preparation and electro-optic studies of polymer stabilised Blue Phase Liquid Crystals for display applications	SERB, DST	43.35	2017-2021	Dr Praveen Malik
16.	Preparation and Investigations of Nanomaterials- polymer dispersed liquid crystal composites	CSIR, New Delhi	21	2018-2021	Dr Praveen Malik

8.5 Biotechnology

Faculty

Name	Designation	Qualification	Email
Dr A K Jana	Professor	Ph D (IITD)	janaak@nitj.ac.in
Dr Nitai Basak	Associate Professor and Head	PhD (NITJ)	basakn@nitj.ac.in
Dr Indu Chauhan	Assistant Professor	PhD (IIT Roorkee)	chauhani@nitj.ac.in
Dr Mahesh Kumar Sah	Assistant Professor	Ph D (NIT Rourkela)	sahmk@nitj.ac.in
Dr Nikhil G N	Assistant Professor	PhD (CSIR-Indian Institute of Chemical Technology, Hyderabad)	nikhilgn@nitj.ac.in
Dr Sumer Singh Meena	Assistant Professor	PhD (GGS Indraprastha University, Delhi)	meenass@nitj.ac.in
Dr Anee Mohanty	Assistant Professor	Ph D (Nanyang Technological University, Singapore)	mohantya@nitj.ac.in
Dr. Prangya Ranjan Rout	Assistant Professor	PhD (IIT Bhubaneswar)	routpr@nitj.ac.in
Dr. Chandi Charan Patra	Assistant Professor	PhD (IIT Guwahati)	patracc@nitj.ac.in

Academic Programmes

B Tech in Biotechnology (Student Intake 58)

M Tech in Biotechnology (Student Intake 20)

Postgraduate Programme

Full and Part Time Ph D Programmes in Biotechnology

Field of expertise

- Bioprocess Engineering
- Environmental Biotechnology

- Enzyme and Protein Engineering
- Bio Separation Engineering
- Bioremediation
- Stem cell Engineering
- Biofilm based bioprocesses
- Nanotechnology
- Biofuel and Bioenergy
- Biomaterials
- Bioinformatics

Laboratory Facilities

- Microbiology Laboratory
- Biochemistry Laboratory
- Bioprocess Engineering Laboratory
- Molecular Biology and Genetic Engineering Laboratory
- Immunology Laboratory
- Cell and Tissue Culture Laboratory
- Separation Process in Biotechnology Laboratory
- Bioinformatics Laboratory
- Bioprocess Modelling and Simulation Laboratory
- Environmental Biotechnology Laboratory

Major collaboration (National/International)

Signed MOU on “Biotechnology and Process Engineering on Biofuel Production”, for Joint research Collaboration with Prof. Roberto De Philippis, Department of Agrifood Biotechnology, University of Florence, Italy on 11th May 2018 for the period of 5 years

Achievement of Students

Sr. No.	Name of the Student	AIR	GATE Year
1.	Gurjant Singh	04	2023
2.	Shreya	06	2023
3.	Saumya Chaturvedi	216	2023
4.	Aritro Sanjib Sen	82	2022
5.	Yaadwinder Singh	200	2020
6.	Jashaninder Singh	289	2020
7.	Dhruv Kumar Chaurasiya	02	2019
8.	Pradhuman Jetha	13	2019
9.	Mahima Badhan	22	2019
10.	Bharti Arora	29	2018
11.	Ruchira Gandhi	42	2017
12.	Pankaj Goyal	43	2016
13.	Sujit Patil	02	2015
14.	Ankita Garg	12	2014
15.	Kapish Gupta	02	2012
16.	Yachna Jain	30	2011

Sponsored Research Projects

❖ Ongoing

Sr. No.	Title of Project	Funding Agency	Financial Outlay	Name of P.I and other Investigators
1.	Establishment of Science Technology and Innovation (STI) Hub for Empowerment of SC/ST	DST-SEED	Rs.249 Lakhs	Dr. Sumer Singh Meena, Dr. Anee Mohanty, Dr. Anjireddy Bhavanam, Dr. G.N. Nikhil
2.	Color Reduction of Effluent from ETP of Dyeing Unit	Trident Pvt Ltd	5.31 Lakhs	Dr. J. K. Ratan, Dr. Nitin Naresh Pandhare, Dr. Dr. G N Nikhil Dr. Sumer Singh Meena
3.	Bioprospection of Lignocellulose-rich agricultural waste using oleaginous fungi for its potential in bioenergy sector	DST-TARE	Rs 15.0 lakhs	Dr. Nitai Basak (Mentor)
4.	Phosphorous recovery from wastewater for safeguarding global phosphorous sustainability and food security: Denitrifying phosphorous accumulating organisms (DPAOs) have the merits	DST IC-IMPACT	Rs. 60 lakhs	Dr. Prangya Ranjan Rout (PI)

Consultancy Project

Dr. Indu Chauhan, Synthesis of metal oxide nanoparticles in the presence of cellulose and its characterization, RICO Auto Industries, Rs 1,00,000/-

8.6. Chemical Engineering

Faculty

Name	Designation	Qualification	Email
Dr. M K Jha	Professor (HAG)	PhD (IIT-ISM Dhanbad)	jhamk@nitj.ac.in
Dr. Ajay Bansal	Professor	PhD (Panjab University, Chandigarh)	bansala@nitj.ac.in
Dr. Renu Gupta	Associate Professor	PhD (NIT Jalandhar)	bansalr@nitj.ac.in
Dr. Poonam Gera	Associate Professor & Head	PhD (NIT Jalandhar)	chadhap@nitj.ac.in
Dr. Sangeeta Garg	Associate Professor	PhD (NIT Jalandhar)	gargs@nitj.ac.in
Dr. S Bajpai	Associate Professor	PhD (NIT Jalandhar)	bajpais@nitj.ac.in
Dr. N K Srivastava	Associate Professor	PhD (NIT Jalandhar)	srivastavank@nitj.ac.in
Dr. Raj Kumar Arya	Associate Professor	PhD (IIT Bombay)	aryark@nitj.ac.in
Dr. Jatinder Kumar Ratan	Associate Professor	PhD (NIT Jalandhar)	kumarj@nitj.ac.in
Dr. Neetu Divya	Assistant Professor (Grade-I)	Ph D (NIT Jalandhar)	divyan@nitj.ac.in
Dr. Anurag Kumar Tiwari	Assistant Professor (Grade-I)	Post Doc (Waterloo, Canada) PhD (IIT Kanpur)	tiwaria@nitj.ac.in
Dr. Amit Dhruv Saran	Assistant Professor (Grade-I)	Post PhD (USA) PhD (IIT Bombay)	saranad@nitj.ac.in
Dr. Nitin Naresh Pandhare	Assistant Professor (Grade-I)	PhD (IIT Roorkee)	pandharenn@nitj.ac.in
Dr. Anjireddy Bhavanam	Assistant Professor (Grade-II)	Post Doc (IIT Guwahati) PhD (NIT Warangal)	bhavanama@nitj.ac.in
Dr. Shashikant Yadav	Assistant Professor (Grade-II)	PhD (IIT Bombay)	shashikanty@nitj.ac.in
Dr. Deepak Sahu	Assistant Professor (Grade-II)	PhD (IIT Roorkee)	sahud@nitj.ac.in
Dr. D Giribabu	Assistant Professor (Grade-II)	PhD (IIT Kanpur)	giribabad@nitj.ac.in

Academic Programme

Undergraduate Programme

B Tech in Chemical Engineering

Postgraduate Programme

MTech in Chemical Engineering

Full and Part Time Ph D Programmes in Chemical Engineering

Laboratory Facilities

1. Fluid Mechanics Laboratory
2. Mechanical Operation Laboratory
3. Chemical Technology Laboratory
4. Heat Transfer Laboratory
5. Energy Technology Laboratory
6. Mass Transfer Laboratory
7. Chemical Reaction Engineering Laboratory
8. Process Control
9. Pollution Abatement Laboratory
10. Post graduate Research Lab
11. Departmental Instrumentation Lab
12. Computational & Simulation Lab
13. Computer Centre

Research and Development

The faculty members of the department are actively engaged in research in the areas of Chemical Engineering, Biochemical Engineering, Petroleum Engineering, Energy and Environment, Biodegradable Plastics, Multiphase Flow, Conversion of Bio-Mass to Fuels and Chemicals, Kinetic Modeling, Nanoplasmonics, Bio-Fluid Dynamics, Microfluidic, Complex Rheology Fluids, Fluid Mechanics, Heat Transfer, Process Safety, Fire Dynamics, Developing Nanoparticle-Based Biosensors For Glucose and similar Biological Analyses, CO₂ Sequestration, Multiphase Reactions, Mineral Carbonation, Waste Utilization and Management, Analytical, Numerical and Soft-Computing Modeling and Optimization of Reaction Processes, Social And Economic Engineering, Edible Film etc.

Sponsored Projects

1. Use of waste biomass for the development of edible coating.
2. Colloidal quantum dots as enhancers in photocatalytic hydrogen generator.
3. Development of smart magneto-rheological elastomers, gels, and fluids using metal oxide-carbon nanofibers and liquid metals.
4. Color reduction of effluent from etp of dyeing unit.
5. Development and evaluation of self-cleaning cement
6. Studies on wet coating for railway coaches to reduce cycle time of processes
7. Development of integrated membrane process for the removal of hazardous chromium from synthetic tannery effluent
8. Drying of polymer – polymer – solvent coatings: experimental and simulation study
9. Selective Depolymerization of Technical Lignins to Functional Chemicals

Research & Consultancy Projects

1. DST-FIST sponsored project 144 Lakhs
2. More than 3 crores of external grant for sponsored research projects
3. More than 30 lakhs grant for Industrial Projects
4. More than 30 lakhs grant for Consultancy Projects

Patent Granted/Published/Filed

- 05 Patent granted
- 01 Technology transferred
- 01 Design granted
- 01 Copyright granted
- 05 Patents Published/Filed

Faculty

Name	Designation	Qualification	Email
Dr A K Agnihotri	Professor (HAG) & Head	PhD (UOR)	agnihotriak@nitj.ac.in
Dr S P Singh	Professor (HAG)	PhD (UOR)	spsingh@nitj.ac.in
Dr H S Chore	Associate Professor	PhD (NIT Nagpur)	chorehs@nitj.ac.in
Dr Davinder Singh	Assistant Professor Grade - I	PhD (NIT Jalandhar)	singhdj@nitj.ac.in
Dr Kanish Kapoor	Assistant Professor Grade - I	PhD (NIT Jalandhar)	kapoork@nitj.ac.in
Dr Mahesh Patel	Assistant Professor Grade - I	PhD (IIT Guwahati)	patelm@nitj.ac.in
Dr Navdeep Singh	Assistant Professor Grade - I	PhD (NIT Jalandhar)	navdeeps@nitj.ac.in
Dr . K. Senthil	Assistant Professor Grade - I	PhD (IIT Roorkee)	kasilingams@nitj.ac.in
Dr Shailja Bawa	Assistant Professor Grade - I	PhD (NIT Jalandhar)	bawas@nitj.ac.in
Dr Shashi Kant Sharma	Assistant Professor Grade - I	PhD (IIT Roorkee)	sharmask@nitj.ac.in
Dr Neelam Rani	Assistant Professor Grade - II	PhD (IIT Roorkee)	ranin@nitj.ac.in
Dr Rupali Satavalekar	Assistant Professor Grade - II	PhD (IIT Roorkee)	satavalekarr@nitj.ac.in
Dr Abhishek Sharma	Assistant Professor Grade - II	PhD (IIT BHU, Varanasi)	abhisheks@nitj.ac.in
Dr Arya Anuj Jee	Assistant Professor Grade - II	PhD (IIT Guwahati)	jeeaa@nitj.ac.in
Dr Koteswara Rao Jadda	Assistant Professor Grade - II	PhD (IIT Patna)	jaddak@nitj.ac.in
Dr Roop Kishor	Assistant Professor Grade - II	PhD (NIT Allahabad)	kishorr@nitj.ac.in
Dr Vinil Kumar Gade	Assistant Professor Grade - II	PhD (IIT Bombay)	gadevk@nitj.ac.in

Academic Programmes.**Undergraduate Programme**

B Tech in Civil Engineering

Postgraduate Programmes

M Tech Full Time in Structural and Construction Engineering

M Tech Full Time in Geotechnical and Geo-environmental Engineering

PG Diploma Full Time in Structural and Construction Engineering

PG Diploma Full Time in Geotechnical and Geo-environmental Engineering

Ph D Full Time and Part Time in various specializations of Civil Engineering

Laboratory Facilities

- Environmental Engineering Laboratory
- Geotechnical Engineering Laboratory
- Structures Testing Laboratory
- Concrete Technology Laboratory
- Transportation Engineering Laboratory
- Survey Laboratory
- CAD Laboratory
- Structural Analysis Laboratory
- Hydraulic Engineering Laboratory
- Computation Laboratory

Research and Development

The faculty of the department has interest in the following research areas:

Structural Analysis and Design: Computer Applications and Finite Element Analysis Techniques, Linear and Non-linear Analysis.
Structural Materials: Applications of Steel Fibre Reinforced Concrete in Structural Components, Permeability Studies, High Performance Concrete, Fatigue Behaviour.

Geo-technical Engineering: Applications of Geotextiles and Geo-fibres in Foundation Engineering, Reinforced Soil Systems.

Geo-environmental Engineering, Pavement Design

As part of its efforts in forging a close relationship with the industry, the department maintains a close liaison with various government/public and private sector organizations by virtue of rendering them consultancy services in most of areas viz. structural analysis and design of steel and concrete structures, material testing, geotechnical investigations and survey work. The extensive work in the field of environment and water resources engineering such as treatment of leachate, design and checking of treatment plants, sewerage network design and checking, scour analysis, design and checking of dams are being carried out.

Sponsored Projects

- UKIERI Collaborative Research Project –on Sustainable High Performance Concrete Infrastructure.
- Modernization of Concrete Structure Laboratory
- Earthquake resistant Design of reinforced concrete structural members.
- Modernization of Geotechnical Engineering Laboratory
- Engineering properties of fibre reinforced soil and its applications to shallow foundations
- Modernization of Surveying Laboratory
- Permeability of Steel Fibre Reinforced Concrete.
- DST-FIST Project
- Collaborative Project (University of Bath and NIT Jalandhar) sponsored by The Royal Society, UK.
- Core Research Grant, SERB sponsored project on – Investigations of Flow and Bed-morphology in Steep Mountain Streams.

8.8. Computer Science and Engineering

Faculty

Name	Designation	Qualification	Email
Dr Ajay K Sharma	Professor (on lien)	PhD	sharmaajayk@nitj.ac.in
Dr A L Sangal	Professor	PhD	sangalal@nitj.ac.in
Dr Harsh K Verma	Professor	PhD	vermah@nitj.ac.in
Dr Renu Dhir	Associate Professor	PhD	dhirr@nitj.ac.in
Dr Geeta Sikka	Associate Professor (on lien)	PhD	sikkag@nitj.ac.in
Dr Rajneesh Rani	Associate Professor	PhD	ranir@nitj.ac.in
Sh D K Gupta	Associate Professor	MTech	guptadk@nitj.ac.in
Sh Rahul Aggarwal	Assistant Professor	BTech	aggarwalr@nitj.ac.in
Dr Avtar Singh	Assistant Professor	PhD	avtars@nitj.ac.in
Dr Krishna Pal Sharma	Assistant Professor	PhD	sharmakp@nitj.ac.in
Dr Samayveer Singh	Assistant Professor	PhD	samays@nitj.ac.in
Dr Urvashi	Assistant Professor	PhD	urvashi@nitj.ac.in
Dr Aruna Malik	Assistant Professor	PhD	malika@nitj.ac.in
Dr Amritpal Singh	Assistant Professor	PhD	apsingh@nitj.ac.in
Dr Prashant Kumar	Assistant Professor	PhD	prashantk@nitj.ac.in
Dr Jagdeep Kaur	Assistant Professor	PhD	kaurj@nitj.ac.in
Dr Kunwar Pal	Assistant Professor	PhD	kunwarp@nitj.ac.in
Dr Lalatendu Behera	Assistant Professor	PhD	beheral@nitj.ac.in
Dr Nagendra Pratap Singh	Assistant Professor	PhD	singhnp@nitj.ac.in
Dr Shveta Mahajan	Assistant Professor	PhD	mahajans@nitj.ac.in
Dr Banalaxmi Brahma	Assistant Professor	PhD	brahmab@nitj.ac.in
Dr Shefali Arora Chouhan	Assistant Professor	PhD	shefalia.cs@nitj.ac.in
Dr Somesula Manoj Kumar	Assistant Professor	PhD	kumarsm@nitj.ac.in

Academic Programmes

Undergraduate Programme

- BTech in Computer Science and Engineering (158)
- BTech in Data Science and Engineering (40)

Postgraduate Programmes

- MTech. in Computer Science & Engineering (60)
- MTech in Information Security (25)
- MTech in Data Science and Engineering (30)
- Full and part Time PhD Programme in Computer Science & Engineering

Departmental Summary – Since Inception

Journal publications (International)	485	Copyrights/Patents	27
Workshops/ conferences conducted	91	STC conducted	32
Books/ Monographs/Book chapter published	65	Expert talks organized	5
Ph.D. students completed	45	Ph.D. students pursuing	36+43
Patents/IPR	27	Research Project completed	06
Total R&D Funding	185.93Lac	Consultancy Generated	02
Awards/Recognition to the faculty	20	Membership of Societies	06

Laboratory Facilities

- RDBMS
- Wireless and optical Networks
- Research Laboratory
- Computer Programming
- Microprocessor
- Project Laboratory
- Computer Network
- Wireless Sensor Network
- Natural Language & Pattern Recognition
- Data Communication
- Embedded Systems
- Software Engineering
- Information Security Education and Awareness
- Computer Graphics
- Operating Systems
- Digital Circuit Logic Design

Research and Development

The faculty of the department has interest in the following research areas: Algorithms, Information Security, Numerical Analysis and Scientific Computing, Wireless and Optical Computer Networks, Distributed Systems, Software Systems and Natural Language Processing, Optical Communication Systems, Optical Networks, Wireless Communication Systems, Wireless sensor networks, Wireless Adhoc Networks, Scientific Computing, Numerical Computing, Computer Networks, Information Security, Data Mining, Big data, Data Analytic, Pattern Recognition, AI and Soft Computing, Operating Systems, Digital Image Processing, Document Image Analysis, Cloud Computing, Internet of Things (IoT), Parallel and Distributed Computing, Software Engineering, Applied Machine Learning, Steganography, Probabilistic Data Structures; Data Analysis; Big Data; Internet of Things; Nature Inspired Algorithms, VPN, Scheduling theory, Real-time and safety-critical system design, Mixed-criticality systems, Opportunistic Networks, Optimization techniques for sensor deployment, Adversarial ML, vehicular networks and UAV networks, Time Series Forecasting, Regression, Renewable Energy.

Sponsored Projects (Ongoing)

1. Ongoing Projects: Total Amount 143.27 Lakhs and No. of Research Projects: 4

S. No.	Name of the Investigator	Project No.	Funding Agency	Title of the project and duration	Amount sanctioned
1.	Dr. Lalit K Awasthi, Dr. Urvashi, Dr. Geeta Sikka, Dr. Harsh K Verma	DST/TDT/DDP-30/2021	DST	An intelligent network analyzer cum patcher for advanced security hardening of the security hardening of the organizational network	73 Lacs
2.	Dr. Kuldeep Kumar	ECR/2018/002497	SERB	CCDA: Tool support for detecting and analyzing high level code clones in software to re-engineer legacy systems for reuse	16.21 Lacs
3.	Dr.Om Praksh Verma, Dr. Rajneesh Rani, Dr. Samayveer Singh , Dr. Vinit Jakhetiya	S-TIC_AC-0141	ISRO	Single object tracking in a video image sequence using machine/deep learning techniques	18 Lacs
4.	Dr. Harsh K Verma , Dr. Renu Dhir	1(2)/2012-ISEA (Vol.II) dated 19.03.2014,	Meity	Information security education and awareness-II, Department of Communication and Information Technology, New Delhi	36.06 Lacs

ii) Completed Projects: Total Amount 42.66 Lakhs and No. of Research Projects: 6

S. No.	Name of the Investigator	Project No.	Funding Agency	Title of the project and duration	Amount sanctioned
1.	Dr. Ajay K Sharma, (Dr. Karan Verma, Central University of Rajasthan)	12-INF2723-03	Funded by ISOC, Internet Society (Beyond the Net), USA	High-Density Wireless Access Coverage for Crowded Events & Locations (3 yr)	\$27000 USD for Three Years
2.	Dr Geeta Sikka	NITJ/TEQIP-II	TEQIP-II	Learn able Indoor Transportation Robot (LITR)	45K
3.	Dr Geeta Sikka	NPIU 18th June 2019	TEQIP	"Data Analytics & IoT framework for freeway to emergency services & traffic policing in smart cities"	11.61 Laca
4.	Dr. Krishna Pal Sharma and Dr. Nonita Sharma	(Ref. NITJ/TEQIP-III/7719)	TEQIP III	Water Pollution Control using Wireless Sensors Network	2 Lakh
5.	Dr Kuldeep Kumar, Dr Avtar Singh	NITJ/TEQIP-III/7719	TEQIP III	Inferring High-level Code Similarities in Software Systems using String-Metric Based Hybrid Technique	3 Lakh
6.	Dr Lalit K Awasthi and Dr Samayveer Singh	NITJ/TEQIP-III/8142	TEQIP III	An Energy Efficient Air Quality Monitoring System using Wireless Sensors Network	4 Lakh

8.9. Information Technology

Faculty

Name	Designation	Qualification	Email
Mr D K gupta	Associate Professor & Head	M. Tech. CSE (NIT Jalandhar)	guptadk@nitj.ac.in
Dr Vijay Kumar	Associate Professor	Ph.D. (NIT Kurukshetra)	vijayk@nitj.ac.in
Dr Mohit Kumar	Assistant Professor (Grade-I)	Ph.D. (IIT Roorkee)	kumarmohit@nitj.ac.in
Dr Nisha Chaurasia	Assistant Professor (Grade-I)	Ph.D. (ABV-IIITM Gwalior)	chaurasian@nitj.ac.in
Dr Avani Vyas	Assistant Professor (Grade-II)	Ph.D. (IIT Ropar)	vyasa@nitj.ac.in
Dr Naveen Kumar Gupta	Assistant Professor (Grade-II)	Ph.D. (MNIT Allahabad)	guptank@nitj.ac.in
Dr Shivani Sharma	Assistant Professor (Grade-II)	Ph.D. (IIT Roorkee)	shivanis@nitj.ac.in

Academic Programmes

Undergraduate Programme

B Tech in Information Technology (120)

Postgraduate Programmes

M. Tech. in Big Data Analytics (30)

Full and part Time Ph D Programme in Information Technology (6)

Departmental Summary – Since Inception

Journal publications (International)	150	Expert talks organized	3
Workshops/ conferences conducted/FDPs/ STC	10	Membership of Societies	10
Books/ Monographs published	3	Patents/IPR	1
Ph.D. students pursuing	6	Book Chapter	10

Laboratory Facilities

- Computer Algorithms Lab
- Web Technology Lab

Approved Laboratory Facilities

- High Performance Computing
- Computer Vision and Machine Intelligence Lab

Research and Development

The faculty of the department has interest in the following research areas: Algorithms, Cloud computing, Fog and Edge Computing, Optimization techniques, Wireless body area networks, E-health, Remote Patient Monitoring Systems. Data mining, Machine learning, Data privacy Preservation.

8.10. Electronics & Communication Engineering

Faculty

Name	Designation	Qualification	Email
Dr Arun Khosla	Professor	PhD (IPU)	khoslaak@nitj.ac.in
Dr B S Saini	Professor	PhD (NITJ)	sainibs@nitj.ac.in
Dr Mamta Khosla	Associate Professor	PhD (NITJ)	khoslam@nitj.ac.in
Dr Ramesh K Sunkaria	Associate Professor & Head	PhD (IITR)	sunkariak@nitj.ac.in
Dr Indu Saini	Associate Professor	PhD (NITJ)	sainii@nitj.ac.in
Dr Ashish Raman	Associate Professor	PhD (NITJ)	ramana@nitj.ac.in
Dr Deepti Kakkar	Associate Professor	PhD (NITJ)	kakkard@nitj.ac.in
Dr Neetu Sood	Associate Professor	PhD (NITJ)	soodn@nitj.ac.in
Dr Balwinder Raj	Associate Professor	PhD (IITR)	rajb@nitj.ac.in
Dr. Asutosh Kar	Associate Professor	Ph.D. (BIT Mesra), Marie-Curie Post Doc. (Aalborg Univ., Denmark)	kara@nitj.ac.in
Dr Nitesh Kashyap	Assistant Professor	PhD (IIIT Jabalpur)	kashyapn@nitj.ac.in
Dr Pawan Kumar Verma	Assistant Professor	PhD (MNNIT Allahabad)	vermapk@nitj.ac.in
Dr Sateesh Kumar Awasthi	Assistant Professor	PhD (IIT Kanpur)	awasthisk@nitj.ac.in
Dr Sukwinder Singh	Assistant Professor	PhD (IIT Roorkee)	sukwinders@nitj.ac.in
Dr Tarun Chaudhary	Assistant Professor	PhD (NITHamirpur)	chaudharyt@nitj.ac.in
Dr Manjit Singh	Assistant Professor	PhD (NITHamirpur)	singhm@nitj.ac.in
Dr Aijaz Mehdi Zaidi	Assistant Professor	Ph.D(JMI, Delhi)	zaidiam@nitj.ac.in
Dr Bodile Roshan Mukindrao	Assistant Professor	PhD (NIT Warangal)	mukindraobr@nitj.ac.in
Dr Rohit Singh	Assistant Professor	PhD (IIT Ropar)	rohits@nitj.ac.in

Academic Programmes

Undergraduate Programme

B Tech in Electronics and Communication Engineering
B.Tech in Electronics and VLSI Engineering
Minor Degree in Electronics and Communication Engineering

Postgraduate Programmes

M.Tech in Signal Processing and Machine Learning (Full time)
M.Tech in VLSI Design (Full time)
Post Graduate Diploma (PGD) in Electronics and Communication Engineering
Full and Part Time PhD Programmes in Electronics & Communication Engineering

Laboratories

- Basic Electronics Lab
- Biomedical Signal Processing and Telemedicine Lab
- Communication Systems Lab
- Devices and Circuits Lab
- Digital Signal Processing Lab
- Embedded System Lab
- Emerging Technologies Lab
- Medical Imaging and Computer Modeling of Physiological System Research Lab
- Microwave Engineering Lab
- Nano Electronics Research Lab
- VLSI Design Lab

Research Areas

VLSI Design, RF Circuits Design, Semiconductor Device modeling, Biomedical Signal Processing, Machine learning, Physiological Variability Studies, ECG Signal Analysis and Interpretation, Image Processing, Wireless Systems design, OFDM and next generation wireless systems, Cognitive Radio, Intelligent Systems and Emerging technologies, Wireless Communication, Interference Mitigation in Communication, Intelligent Reflecting Surfaces, Technology for Autism, Wireless Sensor Networks, M2M Communications, Internet-of-Things, Peer-to-Peer Networks, RF and Antenna Design.

Sponsored Projects (Ongoing)

- Adaptive methods for channel and RF front-end equalization in NOMA systems, Dr. Asutosh Kar (PI), Dr. Sandeep (NITK, CO-PI), Proj. Cost: 14,29,500, DST India-Serbia Bilateral, 2023-2026.
- Design and development of Ultra-Low Power CMOS IC for wireless neural monitoring system, Dr. Asutosh Kar (Co-PI), Dr. Sandeep (NITK, PI) Proj. Cost: 42,75,000, DST India-Korea Bilateral, 2021-2024.
- Design and Development of Robust Entropy based Technique for Computer aided Heart Health Diagnosis, PI Dr R. K Sunkaria, SERB, Rs 40.44 Lakhs, 2019-2023
- Modeling and analysis of quantum Effect for Sub- 10 node Nanowire based devices, PI Dr Ashish Raman (18.97 Lakhs).
- FPGA based High Speed CCSDS Processor for Baseband Receiver, Funded by ISRO, PI Dr Ashish Raman, CO-PIs Dr Mamata Khosla and Dr. Balwinder Raj (15.90 Lakhs).
- Visvesvaraya PhD Scheme for Electronics and IT Phase-II", MetiY., Nodal Officer/PI Dr Ashish Raman (106 Lakhs).
- Design and Development of RF and Microwave Components, Funded by ISRO, PI Dr Sukwinder Singh; Dr Nitesh Kashyap and Dr Balwinder Raj (14.5 lakhs)
- Design and development of System on Chip based next generation IoT System for Industry 4.0 with Functional Safety and Security Features Sponcered by MeitY, 2023- 2028, PI: Dr Ashish Raman (96 Lakhs)
- Design and Development of Biologically Inspired Retinal Prosthesis Based Biomedical Implant to Restore Vision to the Blind, Funded by Science and Engineering Research Board (SERB), Government of India, March 2022 to March 2025, PI: Prof. Binod k. kanaujia, (23.28 Lakhs)
- Design and Development of Wirelessly Powered Nanoscale Integrated Antenna Enabled Leadless Cardiac Pacemaker System for Wireless Monitoring of Heart Health, Funded by Indian Council of Medical Research (ICMR), Government of India, March 2022 to March 2025, PI: Prof. Binod K. Kanaujia (79.58 Lakhs)

8.11. Electrical Engineering

Faculty

Name	Designation	Qualification	Email
Dr S K Pahuja	Associate Professor	Ph. D	pahuja@nitj.ac.in
Dr. D. Harimurugan	Assistant Professor (Grade-I)	Ph.D (NITK Surathkal)	harimurugan@nitj.ac.in
Dr. Kailash Chand Sharma	Assistant Professor (Grade-I)	Ph.D (MNIT Jaipur)	sharmakc@nitj.ac.in
Dr. Vivek Sharma	Assistant Professor (Grade-II)	Ph.D (NIT Hamirpur)	viveks@nitj.ac.in

Academic Programmes.

Undergraduate Programme

B Tech in Electrical Engineering

Postgraduate Programme

M Tech Full Time in Electric Vehicle Design

Full and part Time Ph D Programme in Information Technology

Laboratory Facilities

- AC machines laboratory
- Power system laboratory
- Electric drives laboratory

GATE data for 2023

Department	Name of Student	Roll Number	Gate Score
Electrical Engineering	Arun Singh	19126017	953
	Priyanshu	19126041	896
	Jinesh	19126028	509
	Utkarsh Salgorta	19126053	350
	Vikas Meena	19126058	291
	Deepak Meena	19126021	236

8.12. Industrial and Production Engineering

Faculty

Name	Designation	Qualification	Email
Dr Arvind Bhardwaj	Professor	Ph D (KUK)	bhardwaja@nitj.ac.in
Dr R K Garg	Professor	Ph D (TIET)	gargrk@nitj.ac.in
Dr Anish Sachdeva	Professor	Ph D (IITR)	asachdeva@nitj.ac.in
Dr Vishal S Sharma	Professor	Ph D (KUK)	sharmavs@nitj.ac.in
Er R K Bansal	Associate Professor	ME (IITD)	bansalrk@nitj.ac.in
Dr Ajay Gupta	Associate Professor	PhD (NITJ) MBA (IGNOU)	guptaa@nitj.ac.in
Dr Rajeev Trehan	Associate Professor	PhD (NITJ)	trehanr@nitj.ac.in
Dr Lakhwinder Pal Singh	Associate Professor & Head	Ph.D (NITJ)	singhl@nitj.ac.in
Dr Rakesh K. Sharma	Associate Professor	Ph D (IITR)	sharmark@nitj.ac.in
Dr Shailendra Singh Bhadauria	Associate Professor	PhD (NITB)	bhadauriass@nitj.ac.in
Dr Kapil Kumar	Assistant Professor	PhD (IITR)	goyalkk@nitj.ac.in
Dr Varun Sharma	Assistant Professor	PhD (SLIET)	sharmav@nitj.ac.in
Dr Rajeev Verma	Assistant Professor	PhD (PEC)	vermar@nitj.ac.in
Dr Gurraj Singh	Assistant Professor	PhD (NITJ)	singhg@nitj.ac.in
Dr Bikash Kumar	Assistant Professor	Post-Doc(IIT Bombay) PhD (IIT-Guwahati)	kumarb@nitj.ac.in
Dr Narendra Kumar	Assistant Professor	PhD (IIITDM Jabalpur)	kumarn@nitj.ac.in
Dr Aviral Misra	Assistant Professor	PhD (IIT-Delhi)	mishraa@nitj.ac.in

Academic Programmes

Undergraduate Programme

B Tech. in Industrial and Production Engineering

Postgraduate Programmes

M. Tech. in Industrial Engineering and Data Analytics

M. Tech. in Manufacturing Technology with Machine Learning

PG Diploma in Industrial Engineering

Full and Part Time PhD Programmes in Industrial and Production Engineering

Laboratories

- Automation Lab

- Mechatronics Lab
- Internet of Things (IoT) Lab
- Robotics & Manufacturing Lab
- Mechanical Measurements & Metrology Lab
- Material Science & Metallurgy Lab
- Metal Computational & Design Lab
- Manufacturing Technology Lab
- Data Analytics Lab
- Reliability and Maintenance Lab
- CAD & Computational Lab
- Production System Lab (SIM & Mod Lab)
- Advance Operation Research & Quality Control Lab
- Machining Science and Machine Tool Lab
- Work Study & Ergonomics
- Modern Tool Room
- Non-Conventional Machining
- Additive Manufacturing Lab

Research and Development

The faculty of the department has expertise in the following research areas: Supply Chain Management, EDM, PMEDM, Wire-EDM, Reliability and Maintenance Engineering, Stochastic Modeling and Simulation, Additive Manufacturing, Machining, Condition monitoring, Operations Research, Theory of Constraints, Materials Management, Statistics, Human Factors Engineering, Ergonomics, Occupational Health and Safety, Statistical Quality Control, Project Management, Facilities Planning & Value Engineering, Lean, Six Sigma, Productivity Improvement, Manufacturing Flexibility, Factories of the Future, Design of Manufacturing Systems, Engineering Economics, Industrial Psychology and Entrepreneurship, Multi-objective Optimization and Discrete Event Simulation, Outcome Based Education (OBE); Engineering Education Optimization, Environment management, Green Manufacturing, Fuzzy Decision Making, Quality Management, Design, Planning, Scheduling and Performance optimization of Manufacturing Systems (CMS, FMS, RMS), Decision Science, Nature inspired optimization algorithms, Supply Chain (Green, Sustainable, Cold, Global, Food and Agriculture) Performance System, Reverse Logistics, 3PL and 4PL Logistics, Corporate Social Responsibility (CSR), New Product Development, Quality Control, Decision Analytics, Coating Technology, Computer Aided Engineering, Non-conventional manufacturing processes, Rotary Ultrasonic Machining, Ultrasonic Machining, Processing of Ceramic & Composite Materials, Surface Integrity, Microstructure Analysis, Analytical, Experimental and Computational Fracture Mechanics, Stress Corrosion Cracking, Welding, Metallurgy.

Sponsored Projects handled

- Investigation of Biodynamic Responses Among Indian Tractor Operators Exposed to Whole Body Vibration.
- Experimental investigations of inconel super alloys by EDM wirecut.
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S.No	Name of Faculty	Title of Project	Funding Agency	Financial Outlay	Year of start & total period	Name of P.I and other Investigators	Status: started or completed or in progress
1.	Prof Arvind Bhardwaj & Dr L P Singh	Consultancy for Noise Level Reduction for ARK International Jalandhar City	ARK International Jalandhar City	Rs. 70,800.00	Nov., 2018	Dr Ajay Gupta	Completed
2.	Prof Arvind Bhardwaj & Dr L P Singh	Noise level assessment	M/s. Rachit Textile Industry, Amritsar, Jalandhar	Rs. 1,00,500.00	2019	Senior faculty members of the deptt.	Completed
3.	Dr L P Singh & Dr Kapil Kumar	Skill Mapping	Gowardhan Dass PA Jalandhar	Rs 2,36,000.00	2019	Dr. Kapil Kumar Goyal and Dr L P Singh	Completed

Consultancy Services

S.No.	Name of Faculty	Title of Project	Funding Agency	Financial Outlay	Year of start & total period	Name of P.I and other Investigators	Status
1.	Prof Arvind Bhardwaj & Dr L P Singh	Consultancy for Noise Level Reduction for ARK International Jalandhar City	ARK International Jalandhar City	Rs. 60,000	Nov., 2018	Other Senior Faculty Members of Department	Completed
				Rs. 1.72 Lacs	2020-21		Completed
2.	Dr Ajay Gupta	Noise reduction	M/s. ARK International , Jalandhar	Rs. 60,000	2019	Senior faculty members of the deptt.	Completed
		Verification of Product Manufactured	M/s. Mittal Industries Hoshiarpur	Rs. 11,800	2018	Senior faculty Members of the deptt.	Completed
3.	Prof R K Garg	Verification of the product manufactured by M/S Mittal Industries Hoshiarpur	M/S Mittal Industries Hoshiarpur	Rs 11800/-	2018	Dr Rajeev Trehan, Dr Ajay Gupta, Dr Anish Sachdeva and Dr R K Garg	Completed
4.	Dr L P Singh & Dr Kapil Kumar	Skill Mapping	Gowardhan Dass PA Jalandhar	Rs 2,36,000	2019	Dr. Kapil Kumar Goyal and Dr L P Singh	Completed
5.	Dr L P Singh	Consultancy Project	Chanda Suraj Tools, Jalandhar	59000	-	Dr L P Singh	Completed

Research Collaboration

International

- University of Plymouth, UK
- Vilnius Gediminas Technical University, Vilnius, Lithuania
- Universidad Loyola Andalucia, Spain

National

- Delhi Technological University, Delhi
- IIM Lucknow
- Graphic Era University Dehradun
- IIT Roorkee
- NITIE Mumbai

Patents/IPR:

- Ergonomic Design of Transfer Assisting Device (filed).

Awards:

- Dr L P Singh, Associate Professor, has been recipient of the IEA kingfar award, the award is presented by International Ergonomic Association

PEO's of the department

To serve the nation by producing qualified and skilled engineers who will:

- Excel in professional career and/or higher education by acquiring knowledge in Engineering, Computational and Statistical principles.
- Have the ability to analyze real life problems and develop solutions that are technically sound, economically feasible and socially acceptable.
- Exhibit professionalism, ethical attitude, communication skills, team work in their profession and adapt to current trends by engaging in lifelong learning

Sponsored Research Projects

S.No.	Title of Project	Funding Agency	Financial Outlay	Year of start & total period	Name of P.I and other Investigators	Status: started or completed or in Progress
1.	Performance analysis of milk process plant	TEQIP-III	Rs.1, 80,000.00	2018-19	Dr Dilbagh Panchal and Dr Mohit Tyagi	Completed
2.	Study of penetration rate and chipping diameter in rotary ultrasonic drilling of Macor dental ceramic.	TEQIP-III	Rs. 94,000.00	2018-19	Dr. Ravi Pratap Singh (PI)	Completed
3.	Development and Evaluation of Durable Micro-Textured Superhydrophobic Surfaces	TEQIP-III	Rs. 4,00,000.00	2018-19	Dr Varun Sharma and Dr Rajeev Verma	Completed
4.	Investigation of mechanical and metallurgical behavior of porous biomaterials prepared using powder metallurgy	TEQIP-III	Rs. 3, 25,000.00	2019-20	Dr Kapil Kumar Dr Rakesh Kumar	Completed
5.	Development of Cost-Effective COVID Medical Protective Face Shield using Additive Manufacturing	TEQIP-III	Rs. 1, 90,000.00	2020-21	Dr Narendra Kumar, Dr Ravi Pratap Singh, Prof R K Garg, and Prof Anish Sachdeva	Completed
6.	Sanitizing capsules for human beings	TEQIP-III	Rs. 2, 00,000.00	2020-21	Prof. R K Garg Prof. Anish Sachdeva	Completed
7.	Fabrication of self-healing silver nanocomposite antiviral films as a natural substitute for alcohol based sanitizers	TEQIP-III	Rs. 2, 00,000.00	2020-2021	Prof. R K Garg	Completed
8.	Development of low-cost herbal hand sanitizer	Prof. R K Garg Prof. Anish Sachdeva	Rs. 1, 30,000.00	2020-21	Prof. R K Garg Prof. Anish Sachdeva	Completed
9.	Design, Development and performance analysis of Hybrid Abrasive Assisted Micro Electrochemical machining process	SERB-DST	Rs. 12, 52,000.00	2021-22	Dr Ravi Pratap Singh	Granted
10.	Design and development of Autonomous drone for Himalayan region Analysis, Assessment and Rescue.	JCBRO	Rs. 3, 08,000.00	2021-22	Dr Kapil Kumar	Granted

8.13. Instrumentation and Control Engineering

Name of Faculty Member	Designation	Qualification	Email-id
Dr A K Jain	Professor	PhD	jainak@nitj.ac.in
Dr Dilbag Singh	Professor	PhD	singhd@nitj.ac.in
Dr Kuldeep Singh Nagla	Associate Professor	PhD	naglaks@nitj.ac.in
Er Narinder Singh Bhargal	Associate Professor & Head	M.Tech	singhn@nitj.ac.in
Dr Rajesh Singla	Associate Professor	PhD	singlar@nitj.ac.in
Dr Roop Pahuja	Associate Professor	PhD	pahujar@nitj.ac.in
Dr Sharvan Kumar Pahuja	Associate Professor	PhD	pahujas@nitj.ac.in
Dr Sheela Tiwari	Associate Professor	PhD	tiwaris@nitj.ac.in
Dr Afzal Sikander	Assistant Professor	PhD	afzals@nitj.ac.in
Dr Anil Kumar Yadav	Assistant Professor	PhD	yadavak@nitj.ac.in
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Dr Om Prakash Verma	Assistant Professor	PhD	vermaop@nitj.ac.in
Dr Richa Sharma	Assistant Professor	PhD	richas@nitj.ac.in
Dr Amit Kumar Singh	Assistant Professor	PhD	singhak@nitj.ac.in
Dr Deblina Biswas	Assistant Professor	PhD	biswasd@nitj.ac.in
Dr Karan Jain	Assistant Professor	PhD	jaink@nitj.ac.in
Dr Ravi Verma	Assistant Professor	PhD	vermaravi@nitj.ac.in
Dr Mahendra Kumar	Assistant Professor	PhD	mahendrak@nitj.ac.in

Academic Programmes

Undergraduate Programme

B. Tech in Instrumentation and Control Engineering

Postgraduate Programmes

M.Tech (Full Time) in Control and Instrumentation Engineering

M.Tech (Part Time) in Control and Instrumentation Engineering

Doctoral Programmes

PhD (Full Time and Part Time)

Laboratories

1. Analytical Instrumentation Laboratory
2. Biomedical Instrumentation Laboratory
3. Computing Laboratory
4. Control Engineering Laboratory
5. Electrical Machines Laboratory
6. Fabrication Unit and Transducers Laboratory
7. Human Machine Interface Laboratory
8. Measurement and Circuit Laboratory
9. Microprocessor based Instrumentation Laboratory
10. Process Control Instrumentation Laboratory
11. Robotics Laboratory
12. Signal Processing Laboratory
13. Virtual Instrumentation Laboratory
14. Wireless Networks Laboratory

Research and Development

The faculty members of the department have interest in the following research areas: wireless networks, bio medical instrumentation and signal processing, medical imaging, wireless sensor networks, virtual instrumentation, power system operation and control, artificial intelligence, human machine interface, robotics, renewable energy, control system, applied soft

computing and optimization techniques, process control and optimization, low temperature instrumentation, sliding mode control, robust control, resilient control, cyber-physical systems.

List of Patents during last five years:

S. No.	Patent Details	Year
1	"Air-cooled and breathable single piece bodysuit for personal protection", (202011034189), 10.8.20, Patent Office Delhi, Published by Vishwajeet, Renuka, Ajay Bansal, Renu Gupta, Dilbag Singh, KK Deepak.	2020
2	"Controlled Artificial Gravity Generating Bed", (202111001877), 15.01.21, Patent Office Delhi, Filed by Vishwajeet, Renuka, Ajay Bansal, Renu Gupta, Dilbag Singh, KK Deepak.	2021
3	"A Controlled Pushup Exercise Device for Astronauts", (202111043897), 27.9.2021, Patent Office Delhi, Filed by Vishwajeet, Renuka, Ajay Bansal, Renu Gupta, Dilbag Singh, KK Deepak.	2021
4	"Brain Controlled Compact Smart Wheelchair", by Akshay Katyal, Rajesh Singla 202111003264 dated 23-01-2021, Dr B R Ambedkar National Institute of technology Jalandhar	2021
5	"Wearable autonomous electronic device for personal security" ,By Dr. Roop Pahuja, Nisha Bansal, Diksha Khare, Surabhi Kashwa, Santosh Pratibha, Applicant:NITJ Patent Filing number: 202011008721 dated 29 Feb 2020 Published on: 29.04.2022	2022
6	"Intelligent Controlling System for Vehicle" by Amit Kuamr Singh, Saket and Sachin mishra, published on March 18, 2022.,Application No. 202011039270)	2022
7	"A method for analyzing marketing in eworld era" by Ravi Verma, Mamta Chawla, Aparajita Dasgupta, Arman Khan, Chandrakant B Kothare, Basanta Kumar Panigrahi, Feb 11, 2023, Application no. 2023111008987	2023
8	"Instrument for making geometrical shapes and method thereof", by Ankit Kumar, Varun Sharma, Kuldeep Singh Nagla, Om Prakash Verma, Ajay Gupta, 2020/3/18, IN, Application number: 202011011813 (TEMP/E-1/12695/2020-DEL)	2018
9	"Energy Harvesting by Electromechanical Assembly", by Deepak kumar, Roop Pahuja, Applicant : NITJ, Ref no; 201911033018, dated 15 Aug 2019, Published on : 27 Aug 2021	2021
10	"Table Salt Dispenser" by Dr. Kapil Kumar, Mr. Venkata Sai Rama Pramod Akula, Dr. Kuldeep Singh Nagla, Dr. Om Prakash Verma, Dr. Neeraj Sharma, IPR Filed and FER received: Application No. 202211030367.	2021

Projects during the last five years:

i) Ongoing Projects:

S. No.	Name of the Investigator	Project No.	Funding Agency	Title of the project and duration	Amount sanctioned (INR)
1	Dr. Rajesh Singla	BNB/NIT/1	BNB Medicare India Pvt. Ltd.	Development of Brain Controlled smart wheelchair system 01 year	215000
2	Dr. O P Verma	Research/Sponsor/ADHAAR_2021	JCBRO	Design and Development of ADHAAR	308000
3	Dr. O P Verma	STEM-IP/2021/0001	STEMRS	Investigation of Computational Intelligence Capabilities for Digital Signal Protection	303000
4	Dr. Ravi Verma	SRG/2021/000726	DST SERB SRG	Development and Performance evaluation of cryocooler based cryosorption pump	2997520

ii) Completed Projects:

S. No.	Name of the Investigator	Project No.	Funding Agency	Title of the project and duration	Amount sanctioned (INR)
1	Dr. KS Nagla	---	ISRO	Servo control of Antenna	550000
2	Dr. O P Verma	S-TIC_AC-0141	ISRO	Single Object Tracking in a video/Image Sequence using Machine/Deep Learning Techniques	1800000

Publications:

The ICE department has published about 120 research papers in SCI-indexed journals, 87 conference papers, and 8 technical books in the last five years.

NOTE: The above-mentioned data is as per the information available till March 2023.

8.14. Mechanical Engineering

Faculty

Name	Designation	Qualification	Email
Dr. Joseph Anand Vaz	Professor	Ph.D. (IITKh)	anandvaz@nitj.ac.in
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Dr. Rajeev Kukreja	Associate Professor	Ph.D. (IITD)	kukrejar@nitj.ac.in
Dr. Pramod Kumar	Associate Professor	Ph.D. (NITJ)	kushwahapramod@nitj.ac.in
Dr. Dinesh K Shukla	Associate Professor	Ph.D. (IITD)	shukladk@nitj.ac.in
Dr. Raman Bedi	Associate Professor & Head	Ph.D. (NITJ)	bedir@nitj.ac.in
Dr. T Srinivas	Associate Professor	Ph.D. (JNTUH)	srinivast.nitj.ac.in
Dr. R S Bharj	Associate Professor	Ph.D. (NITJ)	bharjrs@nitj.ac.in
Er. Ajay Trehan	Associate Professor	M.Tech. (NITJ)	trehana@nitj.ac.in
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Dr. Sarbjot Singh Sandhu	Associate Professor	Ph.D. (IITD)	sandhuss@nitj.ac.in
Dr. Dushyant Singh	Associate Professor	Ph.D. (IITD)	dushyants@nitj.ac.in
Dr. Ranchan Chauhan	Assistant Professor	Ph.D. (NITH)	chauhanr@nitj.ac.in
Dr. Sumit Sharma	Assistant Professor	Ph.D. (NITJ)	sharmas@nitj.ac.in
Dr. Saurabh Kango	Assistant Professor	Ph.D. (NITH)	kangos@nitj.ac.in
Dr. Nitin Sharma	Assistant Professor	Ph.D. (NITH)	sharman@nitj.ac.in
Dr. Dwesh Kumar Singh	Assistant Professor	Ph.D. (ISMD)	singhdk@nitj.ac.in
Dr. Manoj Kumar	Assistant Professor	Ph.D. (IITK)	kumarm@nitj.ac.in
Dr. Rajan Kumar	Assistant Professor	Ph.D. (IITM)	rajank@nitj.ac.in
Dr. Sanjay	Assistant Professor	Ph.D. (MNITJ)	sanjay@nitj.ac.in
Dr. Satyender Singh	Assistant Professor	Ph.D. (NITH)	satyenders@nitj.ac.in
Dr. Ashok Kumar	Assistant Professor	Ph.D. (IITD)	baghaak@nitj.ac.in
Dr. Harpreet Singh	Assistant Professor	Ph.D. (IITR)	singhh@nitj.ac.in
Dr. Parnika Shrivastava	Assistant Professor	Ph.D. (IIITDM, Jabalpur)	shrivastavap@nitj.ac.in
Dr. Ravi Kant Ravi	Assistant Professor (Grade II)	Ph.D. (IITR)	ravirk@nitj.ac.in

Academic Programmes

Undergraduate Programme

BTech in Mechanical Engineering

Postgraduate Programmes

MTech in Thermal Engineering MTech in Design Engineering

Full and Part-Time Ph.D. Programmes in Mechanical Engineering

PG Diploma in Thermal Engineering
PG Diploma in Design Engineering

Laboratories

- Automation and Mechatronics Laboratory
- Automobile Engineering Laboratory
- Advanced Heat Transfer Laboratory
- Computer-Aided Design Laboratory
- Engines and Unconventional Fuel Laboratory
- Experimental Stress Analysis Laboratory
- Fluid Machinery Laboratory
- Fluid Mechanics Laboratory
- Fuels and Research Laboratory

Heat Transfer Laboratory
Heat Engine Laboratory
Material Characterization Laboratory
Mechanical Measurements Laboratory
Refrigeration and Air Conditioning Laboratory
Strength of Materials Laboratory
Theory of Machines Laboratory
Thermal Comfort & Building Energy Laboratory
Vibrations Laboratory

Research and Development

The faculty of the department has an interest in the following research areas: Mechatronics and Automation, Dynamics & Control, Vibrations, Composite Materials, IC Engines, Refrigeration and Air Conditioning and Combustion, Machine Design, Robotics, CFD, Alternative fuels for IC Engines, Thermal System Design, Alternative Refrigerants, Heat Exchanger Design, Power Plant Engineering, Welding Technology, Renewable Energy, Bulk Material Handling, Synthesis of Carbon Nanotubes and Nano- composite materials, Fatigue of Composite Materials, Active noise control. Active structural-acoustic control, Active vibration control, Vibro-acoustics, Finite element methods, Experimental modal analysis, Finite element model updating, Numerical fluid flow, Continuum Damage Mechanics Model, Dynamic Fracture Mechanics, High Strain Rate Behavior, Large Deformation Elasto-Plastic Impact/Contact Problems, Design and Tribology of Bearings, Porous Journal Bearings, Hydrodynamic Lubrication, Surface Texturing, Non-Newtonian Fluid Rheology, Microfluidics, Nano-fluidics, Thermal comfort. Building Energy Efficiency, Energy Simulations, Sustainable Buildings, Fluid Flow and Heat Transfer Evaluation of Hydrophobic and Super-hydrophobic surfaces, Micro Surface Texturing/Grooving; Non-Newtonian Rheologies of lubricants, Mechanical Behavior of Materials, Molecular Dynamics, Density Functional Theory, Polygeneration, Power Free Solar Trackers, Hybrid Solar-Biomass Systems, Conducting Exergy Scrutinizing, Heat Recovery Options In Cement Factory, Desalination, Solar Cooling, Advanced Combined Cycle Systems, ORC And KCS Plants.

Sponsored Projects

- Design, Development and control of a three joint string-tube actuated finger prosthetic system for position or force trajectories at the tip (31.92 Lakhs, SERB-sponsored)
- Concentrated Solar Air Heater with Passive Tracking Mechanism and Corrugated Receiver (18.42 Lakhs, DST-sponsored)
- Modelling and simulation of antenna control servo system (7.50 Lakhs, ISRO)
- Improving the heat transfer efficiency of thermal base plate inside a thermal vacuum chamber (30.0 Lakhs, ISRO)
- Piezoelectric actuators for position/shape control applications (21.96 Lakhs, ISRO)
- Development, Characterization and Analysis of Hybrid Chemomechanical Magnetorheological Abrasive Finishing for Biomedical Applications (32.18 Lakhs, DST-SERB, CRG)
- Design and development of a PCM integrated solar air heater for 24 hours hot air supply (2.19 Lakhs, SERB-EEQ sponsored)
- Modeling of polymer derived SiBOC ceramic materials (2.12 Lakhs, ISRO)

Consultancy Services

- More than 11.9 lakhs grant for Consultancy Projects

Research Collaboration

International

- Ecole Centrale de Lille, France
- Ritsumeikan University, Kyoto, Shiga, Osaka, JAPAN

National

- IIT Roorkee
- IIT Mandi
- IIT Guwahati
- Luminous Power Technologies
- SSS National Institute of Renewable Energy
- CSIR NML Jamshedpur
- TBRL-DRDO Chandigarh

Placement details (For 2018-22 Batch)

There was 83.54 % placement till date of B.Tech. Mechanical Engineering students in core companies.

Achievement

- 120 research articles were published in SCIE indexed journals since April 2022
- Total number of citations 17089
- 1 Patent was granted

8.15. Textile Technology

Faculty

Name	Designation	Qualification	Email
Dr.. S. Ghosh	Professor	Ph.D. (IIT Delhi)	ghoshs@nitj.ac.in
Dr.. J. N. Chakraborty	Professor	Ph.D. (IIT Delhi)	chakrabortyjn@nitj.ac.in
Dr.. S. K. Sinha	Professor	Ph.D. (NITJ)	sinhas@nitj.ac.in
Dr.. A. Mukhopadhyay	Professor	Ph.D. (MDU)	arunangshu@nitj.ac.in
Dr.. A. Chatterjee	Professor	Ph.D. (IIT Delhi)	chatterjeea@nitj.ac.in
Dr.. Vinay Midha	Professor	Ph.D. (IIT Delhi)	midhav@nitj.ac.in
Dr.. N. Bhowmick	Associate Professor	Ph.D. (NITJ)	bhowmickn@nitj.ac.in
Dr.. M. D. Roy	Associate Professor	Ph.D. (NITJ)	roymd@nitj.ac.in
Dr.. A. K. Choudhary	Associate Professor	Ph.D. (NITJ)	choudharyak@nitj.ac.in
Dr.. Monica Sikka	Associate Professor & Head	Ph.D. (NITJ)	sikkam@nitj.ac.in
Dr.. Lalit Jajpura	Associate Professor	Ph.D. (ICT Mumbai)	jajpural@nitj.ac.in
Dr.. Palaniswamy N. K.	Associate Professor	Ph.D. (Anna University)	nkpalaniswamy@nitj.ac.in
Dr.. K. V. P. Singh	Assistant Professor	Ph.D. (NITJ)	singhkv@nitj.ac.in
Dr.. Ghanshyam Neje	Assistant Professor	Ph.D. (IIT Delhi)	nejegs@nitj.ac.in
Dr.. Zunjarrao Bapuso Kamble	Assistant Professor	Ph.D. (IIT Delhi)	kamblezb@nitj.ac.in
Dr.. Mukesh Bajya	Assistant Professor	Ph.D. (IIT Delhi)	bajyam@nitj.ac.in
Dr.. Anilkumar Lalchand Yadav	Assistant Professor	Ph.D. (IIT Delhi)	yadaval@nitj.ac.in

Academic programs

Undergraduate programs	<ul style="list-style-type: none"> B. Tech. in Textile Technology
Postgraduate programs	<ul style="list-style-type: none"> M. Tech. (Full time) in Textile Engineering and Management Ph.D. – Full-time and part-time

Departmental summary – Since inception in 1989

Journal publications (International/ National)	>450	Conference Proceedings	>200
Workshops/ conferences conducted	26	STC conducted in Department	17
Books/ Monographs/Book chapters published	40	Expert talks organized	35
Ph.D. students completed	28	Ph.D. students pursuing	15
Patents/IPR	7	Research Project completed	11
Total R&D Funding in lakhs (INR)	>300	Consultancy Generated Amount in lakh (INR)	>12
Awards/Recognition to the faculty	12	Faculty members have Membership in Societies	ISTE, TAI, IEI, TI, ACS, FRP Institute

Laboratories

- Fibre Science Laboratory
- Yarn Manufacturing Laboratory
- Fabric Manufacturing Laboratory
- Textile Chemical Processing Laboratory
- Textile Testing Laboratory
- Garment Manufacturing Laboratory
- Advanced Fabric Research Laboratory
- Computer Laboratory

Research and Development

Department of Textile Technology conducts research in the areas of technical textiles, wound care materials, compression bandages, antimicrobial textiles, surgical gowns, modeling of textile structures, nonwovens, sewing threads, geotextiles, Design of carpet and its characterization, Design of filter media, aerosol filtration, water filtration, Fibre shedding during the mechanical processing of textiles, textile chemical processing, textile effluent management, polymers and bio-polymers, eco-friendly textiles, conductive and electromagnetic shielding textiles and their composites, fluid and heat flow through fibrous assembly, apparel engineering, impact loading of parachute fabrics, 3D weaving, 3D hollow fabrics, and their composites, protective textiles, application of shear thickening fluid, textile waste recycling, textile structural composite materials, nanocomposites, tactile and aesthetic comfort of textiles.

Sponsored research projects in recent years

Name of the Investigators	Title of the project, sanctioned year, and duration	Funding Agency	Amount sanctioned (Rs Lakh)
Prof. Vinay Midha, Prof. A Mukhopadhyay	Development of open weave geomeshes using recycled wool for run off erosion control, 2023 Duration: 1 year.	Punjab State Council for Science & Technology	5.0
Prof. A Mukhopadhyay, Dr. Palaniswamy N K	Development and manufacture of ultra-high molecular weight polyethylene (UHMWPE) nano-fabrics and its composite for reusable respiratory masks, 2022. Duration: 1.5 years.	National Technical Textile Mission, GOI	55.0
Prof. A Mukhopadhyay, Dr. A K Choudhary, Prof. Vinay Midha	Value addition of Pashmina Guard Hair through suitable product development, 2022. Duration: 4 years.	Khadi and Village Industries Commission	15.0
Prof. A Mukhopadhyay, Dr. A K Choudhary	Optimization of pulse cleaning parameters for achieving high level performance of filter media during industrial pollution control, 2019. Duration: 1 year.	DST- India Austria Joint research project	10.0
Prof. A Mukhopadhyay	Designing of fabric wet abrasion tester, 2017. Duration: 4 years.	CSIR, GOI,	29.3
Prof. A Mukhopadhyay	Designing of fabric tensile impact testing machine, 2016. Duration: 6 years.	DST, GOI	36.02
Prof. Vinay Midha, Prof. A Mukhopadhyay	Development of a Positive thread-feeding device for the Sewing Machine, 2015. Duration: 3 years.	DST, GOI	22.11

FIST Project

Department has submitted a proposal for funding of Rs 500 Lakh under the FIST program to DST, GOI for the period of 2023-2028 to upgrade the research and development Infrastructure.

Patents and Technology transferred in recent years

Patents granted

1. Inpatient shifting device and method of use. Prof. Vinay Midha.
2. Breathable Filter fabric for reusable face mask. Prof. Vinay Midha and Prof. A Mukhopadhyay.
3. Apparatus for Testing Cleanable Filter Media in Flat Form. Prof. A Mukhopadhyay and Dr. A K Choudhary.
4. An apparatus for testing cleanable filter media in tubular form. Prof. A Mukhopadhyay & Dr. A K Choudhary.
5. Device for Testing erosion control performance and water retention capacity of porous material. Prof. Vinay Midha & Suresh Kumar
6. Universal Abrasion Tester. Prof. A Mukhopadhyay and Dr. A K Choudhary.
7. Development of a device for measuring light transmittance. Prof. Vinay Midha.

Patents applied

1. A novel machine to evaluate the performance of textiles and other flexible materials under tensile impact load, Prof. A Mukhopadhyay, Dr. Monica Sikka, Prof. Vinay Midha, Gyana Ranjan Behera.
2. Doffing facilitators for safe disposal of personal protective medical gowns, Dr.. A K Choudhary & Dr. Monica Sikka
3. Sub bandage pressure measuring instrument and method, Dr. Monica Sikka, K S Nagla.

4. Rewet test apparatus for disposable hygiene products, Prof. Vinay Midha & Dr.. Monica Sikka.

Technologies Transferred

1. NIT Jalandhar has transferred the right to manufacture the patented Easy Breath facemask to Singla Engravures Pvt. Ltd. Gurgaon.
2. NIT Jalandhar has transferred the right to manufacture the test rigs (for characterizing filter media used for pollution control in industries) to Kanwal Enterprises, Gurgaon, Haryana. These test rigs, viz. pulse-jet filtration test rig and industrial filtration rig, have been patented.
3. NIT Jalandhar has transferred the right to manufacture the patented universal abrasion tester to Prolific Engineers, Sector-2, Noida.

Awards and recognitions

1. Prof. A Mukhopadhyay and Prof. Vinay Midha received The President of India's Prize awarded by the Institution of Engineers (India) for best paper in 2021.
2. Dr. Monica Sikka received the Best Teacher Award from Dr. B R Ambedkar, NIT Jalandhar, in 2021.
3. Dr. Monica Sikka received the Outstanding Teacher Award in Textile Engineering, STAIR Awards 2021.
4. Dr. Ghanshyam Neje received the Best Ph.D. Thesis Award from IIT Delhi in 2021.
5. Dr. Mukesh Bajya received Gandhi Young Technology Innovation Award in 2021.
6. Dr. Mukesh Bajya received Innovation Budding Award from NRDC in 2021.
7. Dr. Mukesh Bajya received First prize in INOTEX by VJTI-Mumbai and Kusumgar Corporates in 2021.
8. Dr. Anilkumar L. Yadav received the Best Ph.D. Thesis Award from IIT Delhi in 2021.
9. Dr. A K Choudhary received Best Teacher Award from Dr. B R Ambedkar, NIT Jalandhar, in 2019.
10. Prof. J N Chakraborty was Honored with the Wall of Fame by ULEKTZ in 2019.
11. Prof. Vinay Midha received Best Teacher Award from Dr. B R Ambedkar, NIT Jalandhar, in 2019.
12. Dr. Monica Sikka received Prof. Indira Parikh 50 Women in education leaders award at World Education Congress in 2019.
13. Dr. A K Choudhary received Lifetime Achievement Award (Area - Textile Technology) from Venus International Chennai in 2019.
14. Dr. Zunjarrao Bapuso Kamble received an Erasmus+ fellowship for conducting research at the Technical University of Liberec, Czech Republic, in 2019.
15. Prof. Vinay Midha received The outstanding presentation award for a paper presented at an international conference by TBIS, Manchester, UK, in 2018.
16. Dr. Mukesh Bajya received Prime Minister Fellowship for Doctoral Research in 2018.
17. Prof. A Mukhopadhyay received the Best Teacher Award from Dr. B R Ambedkar, NIT Jalandhar, in 2018.
18. Dr. Zunjarrao Bapuso Kamble received Japan Student Services Organization Fellowship for conducting research at the Kyoto Institute of Technology Kyoto, Japan, in 2018.

Major recruiters

Vardhman Textiles, Trident Limited, Aarti International Ltd, Rana Polycot Ltd, Welspun Limited India, Nahar Fibres, Nahar Group of Companies, Voltas Ltd, Arvind Ltd, Alok Ltd, JCT, Winsome Textiles, Reliance Manufacturing, Tata Consultancy Services, Laxmi Machine Works, Kisco India Pvt Ltd.

9. CENTERS & OTHER FACILITIES

9.1. Physical Education & Sports

Faculty

Name	Designation	Qualification	E-Mail
Dr. G. S. Dhaliwal	Associate Professor & Head	B.A, D.P.Ed, M.P.Ed, N.I.S Diploma (Athletics) & Ph.D (GNDU)	dhaliwalgs@nitj.ac.in
Dr. Vijay Kumar Mishra	Student Activity & Sports Officer	B.P.Ed, M.P.Ed, N.I.S Diploma (Basketball), UGC NET, SLET, Ph.D.	mishravk@nitj.ac.in

SPECIAL REQUIREMENT FOR DEGREE

The students entering in the Institute are required to undergo the following non-credit mandatory requirements towards completion of their degree: -

N.S.O. (National Sports Organization)

The students have to opt (NSO, NCC & NSS) for one of these activities based on the enrolment procedure & Students is awarded "Satisfactory" Grade. A total of 100 hours of prescribed activities are to be completed after registration in the first year. In case the requirements are not met in the first year, the same shall be completed in the second year i.e. end of the 4th Semester. If a student does not obtain a satisfactory grade in the respective registered course within the first two years of his/her stay at the Institute, he/she will not be registered for the higher semester after second year.

The students will be satisfactorily allowed to register in sports activities of the institute for completing their National Sports Organization requirement in the first year.

Sports is an important activity for overall development of the students. It has to be carried out in order to promote spirit of Sportsmanship amongst the students and is essentially an activity, which encourages sense of healthy competition feeling of love and to work in unison. Further the sports calendar crowded with sporting games/events is promoting enthusiasm in the day-to-day campus life of the students. The Department of Physical Education and Sports is geared to achieve the following motives

- Healthy mind in a healthy body
 - Fit people Fit Nation
 - Make-sports a way of life
 - Every human being has a fundamental right to access to physical education and sport, which are essential for the full development of his personality. The freedom to develop physical, intellectual and moral powers through physical education and sport must be guaranteed both within the educational system and in other aspects of social life.
- By: - The UNESCO
- Health and physical education and sports should be an integral part of the learning process and be included in the evaluation performance.

By: - The National Policy on Education

Sports Achievements

Sr. No.	Name of Tournament	Game	Date	Position
1	Inter - Technology Universities (North Zone) Table Tennis (Boys) Tournament held at Thapar University, Patiala	Table Tennis (Boys)	03/11/22 to 5/11/22	Bronze Medal
2	"Inter - Technology Universities (North Zone) Table Tennis (Girls) Tournament held at Thapar University, Patiala	Table Tennis (Girls)	03/11/22 to 5/11/22	Silver Medal
3	"Inter - Technology Universities (North Zone) Football (Boys) Tournament held at Thapar University, Patiala	Football (Boys)	03/11/22 to 5/11/22	Fourth
4	All India Inter – NIT Basketball (Girls) Tournament held at MNIT, Jaipur	Basketball (Girls)	17/11/22 to 19/11/22	Silver Medal
5	All India Inter – NIT Basketball (Boys) tournament held at MNIT, Jaipur	Basketball (Boys)	17/11/22 to 19/11/22	Participation
6	All India Inter – NIT Volleyball (Boys) Tournament held at NIT, Surathkal	Volleyball (Boys)	20/01/23 to 22/01/23	Fourth
7	All India Inter – NIT Volleyball (Girls) Tournament held at NIT, Surathkal	Volleyball (Girls)	20/01/23 to 22/01/23	Participation

8	All India Inter – NIT Cricket (Girls) Tournament held at NIT, Rourkela	Cricket (Girls)	28/01/23 to 30/01/23	Silver Medal
9	All India Sports Fest “Aahvan” Volleyball (Boys) Tournament held at IIT Ropar	Volleyball (Boys)	17/03/23 to 19/03/23	Silver Medal
10	All India Sports Fest “Aahvan” Chess (Boys) Tournament held at IIT Ropar	Chess (Boys)	17/03/23 to 19/03/23	Silver Medal
11	All India Sports Fest “Aahvan” Badminton (Boys) Tournament held at IIT Ropar	Badminton (Boys)	17/03/23 to 19/03/23	Third
12	All India Sports Fest “Aahvan” Athletics (Boys) Tournament held at IIT Ropar	200 Meter Race	17/03/23 to 19/03/23	Gold Medal
13	All India Sports Fest “Aahvan” Athletics (Girls) Tournament held at IIT Ropar	800 Meter Race	17/03/23 to 19/03/23	Silver Medal
14	All India Sports Fest “Aahvan” Athletics (Girls) Tournament held at IIT Ropar	1500 Meter Race	17/03/23 to 19/03/23	Silver Medal
15	All India Sports Fest “Aahvan” Athletics (Girls) Tournament held at IIT Ropar	Discuss Throw	17/03/23 to 19/03/23	Silver Medal
16	All India Sports Fest “Aahvan” Athletics (Girls) Tournament held at IIT Ropar	100 Meter Race	17/03/23 to 19/03/23	Bronze Medal
17	All India Sports Fest “Aahvan” Athletics (Girls) Tournament held at IIT Ropar	200 Meter Race	17/03/23 to 19/03/23	Bronze Medal
18	All India Sports Fest “Aahvan” Athletics (Girls) Tournament held at IIT Ropar	800 Meter Race	17/03/23 to 19/03/23	Bronze Medal

The institute at present is providing facilities in number of outdoor and indoor games to be the budding engineering students.

OUTDOORS GAMES FACILITIES (BOYS & GIRLS)

SR. NO.	OUTDOOR GAMES	FACILITIES AVAILABLE
1	Athletics	400 meter Standard Track & Field
2	Cricket	Standard Cricket ground
3	Football	Standard Football ground
4	Basketball	Two Basket Ball Standard Cemented Courts with Full Flood Lights & Sitting Arrangement
5	Volleyball	Three Volleyball standard grounds with Full Flood Lights & Sitting Arrangement
6	Lawn Tennis	Two Lawn Tennis Cemented courts With Full Flood Lights

INDOOR GAMES FACILITIES (BOYS & GIRLS)

SR. NO.	INDOOR GAMES	FACILITIES AVAILABLE
1	Badminton	Four Wooden Badminton Courts With Light, Sitting arrangement and Specific Gym Equipment in Badminton Indoor Hall
2	Table Tennis	T.T. Table is available in each hostel in addition to that Four tables are available in the New Students Activity Centre.
3	Carom	Covered space is available in each hostel in addition to that Carom Boards are available in the New Students Activity Centre.
4	Chess	Covered space is available in each hostel in addition to that Chess Boxes are available in the New Students Activity Centre.
5	Yoga & Sitting Exercise	Yoga & Exercise Mats is available in the New Students Activity Centre.

WEIGHT TRAINING GYM. FACILITY

1	Multipurpose Modern Training facilities	Weight training gymnasium is available in the New Students Activity Centre, fully equipped with Modern Weight Training equipment.
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RESEARCH AND DEVELOPMENT

The faculty members of the department are actively engaged in guiding research in different areas of physical education and sports i.e., Sports Psychology, Sports Biomechanics, Sports Training, Test Measurement & Evaluation, Anthropometry, Kin-Anthropometry, Exercise Physiology, All Games/Sports etc.

UPCOMING & UPGRADATION GAME FACILITIES / INFRASTRUCTURE: -

1. Sports Stadium & Cricket Stadium with Flood Light
2. Synthetic Basketball Courts - Two
3. Synthetic Lawn Tennis Courts – Two
4. Kabaddi Court- Two
5. Rope Malkhamb Pole- Two
6. Kho- Kho Court
7. Handball Ground
8. Parallel Bar- Two
9. Swimming Pools
10. Water Sprinkling System in Play Grounds

Gallery



9.2. National Cadet Corps (NCC)

Faculty

Name	Designation	Qualification	Email
Dr Dinesh Kumar Shukla	Professor In-charge	PhD	shukladk@nitj.ac.in

The National Cadet Corps (NCC) came into existence on 16 July 1948 under an Act of Parliament. Its motto 'Unity and Discipline' has guided the NCC in its long-standing effort to mould young volunteers into disciplined and responsible citizens of India. Over the years, in response to the evolving environment, the NCC's initial military orientation was augmented by dimensions of social service and adventure training.

The 'Aim' of the NCC laid out in 1988 have stood the test of time and continue to meet the requirements expected of it in the current socio-economic scenario of the country. The NCC aims at developing character, comradeship, discipline, a secular outlook, the spirit of adventure and ideals of selfless service amongst young citizens. Further, it aims at creating a pool of organized, trained and motivated youth with leadership qualities in all walks of life, who will serve the Nation regardless of which career they choose. Needless to say, the NCC also provides an environment conducive to motivating young Indians to join the armed forces.

The Institute had the NCC (Army Wing) with the SD (Senior Division) / SW (Senior Wing) cadet's having strength of 105 (both Boys & Girls). The NCC provides opportunities to the youth of the country for their all-round development with sense of duty, Commitment, Dedication, Discipline and Moral values so that they become able leaders and useful citizens. The NCC provides exposure to the cadets in a wide range of activities with a distinct emphasis on Social Services, Discipline and Adventure Training. The NCC is open to all regular students of the Institute (UG only) on a volunteer basis. The students have no liability to active military service. Based on the aims of NCC, the Organization has laid down Training Syllabi for the cadets. The syllabus for the Senior Division is spread over three years. Except for minor variations, the syllabus is similar for both Boy and Girl cadets. The aspects to be covered in the Army Wing Training are quite comprehensive. All these should be covered adequately to enable Army Wing cadets to achieve a good proficiency in Weapon Training, Firing, Map Reading, Field Engineering, Communication, Health and Hygiene and also understand the broad outline organisation of Army Units. The training year is w.e.f. 01 Apr to 31 March. Training schedules planned for cadets ensure that the optimum benefits of the organization reach to maximum number of cadets. On successful completion of the laid down syllabi, cadets of Senior Division are eligible for 'B' & 'C' certificate examinations.

Eligibility Conditions for Certificate Examinations

Certificate 'B'

The cadet must have attended a minimum of 75 of total training period laid down in the syllabus for the first and second years of Senior Division Wing NCC (All Wings).

Break in the NCC Service of the cadets prior to his appearing in the examination should not exceed more than 12 months at one time.

The candidate must have attended one ATC.

Cadets possessing 'A' certificate will be awarded 10 bonus marks.

Certificate 'C'

The candidate must be in possession of Certificate 'B'.

The cadet must be in the third year of SD/SW NCC Training.

The cadet must have attended a minimum of 75% of the periods of 3rd year syllabus during the academic session.

Break in the NCC Service of the cadet SD/SW prior to appearing in the exam should not exceed more than 18 months at one time.

The cadet must have attended one ATC and one of the other listed national camps.

9.3. Computer Centre

Faculty

Name	Designation	Qualification	Email
Dr A L Sangal	Head	PhD (NITJ)	sangalal@nitj.ac.in
Ms Daljeet Kaur	Principal Scientific Officer	MCA (GNDU)	daljeetkaur@nitj.ac.in
Mr Bhupinderjit Singh	Scientific Officer	M.Tech (NITJ)	bhupinderdhani@nitj.ac.in
Mr Ashwani Sharma	Technical Assistant (SG-1)	MCA	ashwanisharma@nitj.ac.in
Mr Subhash Yadav	Technical Assistant (SG-1)	MCA, MCSE	yadavs@nitj.ac.in
Mr Hemant Thapar	Technical Assistant (SG-1)	MCA	thaparh@nitj.ac.in

The Main assignments and activities of this centralized facility are to:

Provide, manage and ensure the satisfactory operation of joint computer and software facilities for the students and departments that require these facilities.

- Provide technical assistance to various users.
- Ensure the monitoring of the computer network at the institute and the coordination of inter-connections and the management of overall computer facilities for the whole institute.
- Provide computer facilities for the institute administration.

Dr B R Ambedkar National Institute of Technology visualizes centralized computing facility, campus-wide networking and information technology as a means to enrich the educational experience and invigorate emerging areas of scholarly research and education. Telecommunication and IT is a mixture of tools that can improve the nature and efficiency of country and institute as well.

The campus-wide Networking consisting of Academic Zone, Hostel Zone and Residential Zone is with fiber optics (single mode) as backbone. Managed Layer 2/3 Switches are installed. The entire Academic Zone is on 10G. The commissioning of this CWN has been done for 2250 nodes. The Campus, Girls and Boys Mega Hostel has been put on Wi-Fi.

Two Leased Line caters for the Internet facility of the institute, The ISPs being, BSNL (500 Mbps) and Quadrant Televentures Ltd (500 Mbps).

For the Computational Services Centre has High-End Computational Servers on which accounts are given to students, staff and faculty of the Departments and Centre's in the campus. The Campus Network connects to Departments and Centre. Network Connectivity is also provided to the remote locations, which include both boys and girls Hostels. Computer Centre manages and administers the Internet links and the internet services such as electronic mail, World Wide Web, DNS, FTP and other services. A UTM has been installed for authenticity and managing users connectivity to the internet services.

Centre provides computer and network facilities to various festivals, events and seminars held at Institute lecture theatre and at department and centres. Computer Centre also manages the centralized Biometric attendance system and CCTV Surveillance System.

Hardware and Software

To strengthen the data centre capabilities 12 Cisco Blade Servers and 20 TB SAN Storage has been procured by the institute. 150 Nos. 64-bit machines, 50 P V Duo Core and other infrastructure such as printers and scanners constitute to the students need.

Working Hours (All Working days of the week):
08.30 AM to 09.30 PM

9.4. Centre of Training and Placement

Centre of Training and Placement explores the internship and placement opportunities for the students. Various members of TPO Team are given below:

Name	Designation	Qualification	Email
Dr. S Ghosh	Professor Incharge	Ph.D.	ctp@nitj.ac.in
Dr. Ajay Gupta	Head, Centre of Training & Placement	Ph.D.	ctp@nitj.ac.in
Dr. Om Prakash Verma	Coordinator Centre of Training & Placement	Ph.D.	ctp@nitj.ac.in
Dr. Sivaraj R	Coordinator Centre of Training & Placement	Ph.D.	ctp@nitj.ac.in
Dr. Asutosh Kar	Coordinator Centre of Training & Placement	Ph.D.	ctp@nitj.ac.in
Mr. Rohit Rana	Training Officer	MBA	ctp@nitj.ac.in
Mr. Kamaljit	Office Assistant	B.Com	ctp@nitj.ac.in

Placement Details 2019-23 Batch (B. Tech)								
Discipline	No. of Eligible Students	No. of Job Offers	No. of Double Job offers	No. of Students Placed	Maximum Package Lac Per Annum		Average Package	Percentage
ECE	108	101	11	90	51.00	Microsoft	16.67	83.33
EE	60	43	2	41	30.36	Google India Pvt. Ltd.	10.83	68.33
CSE	120	147	34	113	51.00	Microsoft	16.74	94.17
IT	59	68	14	54	51.00	Microsoft	12.95	91.53
CHE	93	85	3	82	14.00	Zscaler	7.48	88.17
ICE	111	105	15	90	22.75	Increff	10.19	81.08
CIVIL	82	65	4	61	19.00	Natino With Namoo	7.30	74.39
IPE	93	79	6	73	24.00	Goldman Sach	8.38	78.49
ME	100	120	25	95	18.95	BPCL	8.52	95.00
BT	37	14	2	12	12.00	Nineleaps	8.18	32.43
TT	87	44	0	44	14.00	Aspect Ratio	7.70	50.57
Total	950	871	116	755				79.47

Important companies that visited our campus for the recruitment during 2022-23 are





9.5. Centre for Energy and Environment

Faculty and Associated Faculty

Name	Designation	Qualification	Email
Dr M K Jha	Professor	Ph D (ISM)	jhamk@nitj.ac.in
Dr Ajay Bansal	Professor	Ph D (PU)	bansala@nitj.ac.in
Dr Renu Gupta	Associate Professor & Head	PhD (NITJ)	bansalr@nitj.ac.in
Dr Poonam Gera	Associate Professor	PhD.(NITJ)	chadhap@nitj.ac.in
Dr Pramod Kumar	Associate Professor	PhD.(NITJ)	kushwahapramod@nitj.ac.in
Dr Anurag Kumar	Assistant Professor	PhD (IIT Kanpur)	tiwaria@nitj.ac.in
Dr Kiran Singh	Assistant Professor	Ph.D (BU, Bhopal)	singhkp@nitj.ac.in
Dr Manoj Kumar	Assistant Professor	PhD.(IIT Kanpur)	kumarm@nitj.ac.in
Dr Afzal Sikander	Assistant Professor	PhD.(IIT Roorkee)	afzals@nitj.ac.in
Dr Harimurugan	Assistant Professor	Ph.D (NIT Karnataka)	harimurugan@nitj.ac.in

Visiting Faculty from Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala

Name	Designation	Qualification	Email
Dr Anil K Sarma	Scientist 'E'	Ph D (Tezpur University)	anil.sarma16@gov.in
Dr Rawel Singh	Scientist 'D'	Ph D (CSIR-IIP)	rawel@nibe.res.in
Dr Ashish Bohre	Scientist 'D'	Ph D (HarisinghGour University, Sagar)	ashish.bohre@nibe.res.in
Dr A Senthil	Scientist 'D'	Ph D (BITS Pilani)	a.senthil@nibe.res.in
Dr Sanjeev Mishra	Scientist 'D'	Ph D (IIT Guwahati)	sanjeevmishra@nibe.res.in
Dr Sachin Kumar	Scientist 'C'	Ph D (IIT Roorkee)	sachin.kumar20@gov.in
Dr Vandit Vijay	Scientist 'C'	Ph D (IIT Delhi)	vandit@nibe.res.in

Dr Tapas Kumar	Scientist 'C'	Ph D (BITS Pilani)	tapas@nibe.res.in
Dr Kunwar Pal	Scientist 'C'	Ph D (NITJ)	kunwarpal07@gmail.com
Dr. Sandeep Kumar	Scientist 'B'	Ph D (PU)	sandeepkumard22@gmail.com

Academic Programs

Postgraduate program

- M.Tech in Renewable Energy (Jointly offered by NIT, Jalandhar and Sardar Swaran Singh National Institute of Bio Energy, Kapurthala)
- PhD Programme in Renewable energy
 - Full time
 - Part Time

Laboratory facilities

- Renewable Energy Laboratory
- Energy Engineering Laboratory
- Environment Engineering Laboratory

Research and Development

The faculty members of Centre are actively engaged in guiding research in areas of Renewable Energy such as Solar Photovoltaic Devices and Systems, Bio-Energy and Biofuels, Wind and Small Hydro Energy Systems, Process Modelling & Simulation in Renewable Energy Systems, Solar Thermal Technologies and Applications, Energy Conservation, Management & Audit, Economics and Financing of Renewable Energy Systems, Waste to Energy Conversion Processes, Fuel Cell and Hydrogen Energy.

9.6. Center for Artificial Intelligence

Artificial intelligence (AI) has become increasingly important in today's world as it has the potential to revolutionize numerous industries and significantly impact our daily lives. AI enables machines to learn from data, recognize patterns, and make autonomous decisions, leading to improved efficiency, accuracy, and productivity. It has applications in various sectors, including healthcare, finance, transportation, education, and entertainment, where it can enhance diagnosis and treatment, automate financial processes, optimize logistics, personalize learning experiences, and create immersive experiences. With its ability to analyze vast amounts of data and derive valuable insights, AI has the power to transform industries, drive innovation, and address complex challenges, making it a crucial technology for the modern world. Therefore, capacity building in AI is crucial as it equips individuals and organizations with the knowledge and skills needed to leverage AI effectively, driving economic growth, fostering innovation, and ensuring readiness for the opportunities and demands of an AI-driven world.

As an Institute of National Importance, NITJ carries the social responsibilities to promote AI education and training, and therefore, we are running **Master of Technology** Program in **Artificial Intelligence**. In addition to teaching in the AI domain, the proposed Centre for Artificial Intelligence is also focusing on Research, Industry Projects and Entrepreneurship.

Faculty Associated

Name	Designation	Email ID
Dr Arun Khosla	Professor & Head	khoslaak@nitj.ac.in
Dr Raghaw Raman Sinha	Associate Professor	sinharr@nitj.ac.in
Dr Sateesh Kumar Awasthi	Assistant Professor	awasthisk@nitj.ac.in
Dr Urvashi	Assistant Professor	urvashi@nitj.ac.in
Dr Prashant Kumar	Assistant Professor	prashantk@nitj.ac.in
Dr Om Prakash Verma	Assistant Professor	vermaop@nitj.ac.in
Dr Nisha Chaurasia	Assistant Professor	chaurasian@nitj.ac.in
Dr Kailash Chand Sharma	Assistant Professor	sharmakc@nitj.ac.in
Dr Satbir Singh	Guest Faculty	satbirs.ai@nitj.ac.in
Dr Manish Kalra	Guest Faculty	manishk.ai@nitj.ac.in

9.7. Center of Reliability Improvement in Industry

Faculty:

Name	Designation	Qualifications	email
Dr R K Garg	Head, Centre for Reliability Improvement in Industry and Professor HAG in Department of Industrial and Production Engineering	Ph.D. (TIET Patiala)	hcii@nitj.ac.in gargrk@nitj.ac.in
Faculty involved in teaching online			
Dr H K Verma	Professor (Retd.), IIT Roorkee	Ph.D. (IIT Roorkee)	hkvfee@gmail.com
Dr Dinesh Kumar	Professor (Retd.), IIT Roorkee	Ph.D. (IIT Roorkee)	dinesfme@gmail.com
Dr Dilbag Singh	Professor, NIT Jalandhar	Ph.D. (IIT Roorkee)	singhd@nitj.ac.in
Dr Anish Sachdeva	Professor, NIT Jalandhar	Ph.D. (IIT Roorkee)	asachdeva@nitj.ac.in
Dr Rohit Bhakar	Associate Professor, MNIT Jaipur	Ph.D. (IIT Roorkee)	rbhakar.ee@mnit.ac.in
Dr Kailash Chand Sharma	Assistant Professor, NIT Jalandhar	Ph.D. (MNIT Jaipur)	sharmakc@nitj.ac.in

Introduction

Usually, consumers experience power failures due to problems in the distribution systems. Distribution systems have evolved to an extent where smart technologies are needed for their smooth operation. Network reconfiguration is one of the functions of distribution automation that improves the performance of the system by altering the structure of the distribution network. In literature, different network reconfiguration problems have been resolved with various methods. However, the active power loss minimization problem is considered most of all, because if these losses are less than the standard, the distribution companies can benefit monetarily. In addition, during the last few decades, distribution system reliability has been developed to provide interruption free electricity services. With improved system reliability, power distribution companies can save the expenses that are spent on a distribution system's maintenance and operation after a power failure.

Considering the increasing scope of reliability improvement of power systems and recognizing the pivotal role of Power Grid Corporation of India in this regard, a Centre for Reliability Improvement in Industry was established.

Scope of the Centre

Under Centre for Reliability Improvement in Industry, it is planned to make a close alliance with Industry and helping them in taking consultancy assignments for reliability improvement. Further, this Centre will be focusing on Research and Industry Projects for other sectors/companies also.

Master of Technology (MTech) program (Self-sponsored) in Power Systems and Reliability in online mode

Year of start: 2022

First batch: 15 (sponsored from Power Grid Corporation of India)

Schedule: Regular classes on Saturdays/Sundays with a compulsory contact programme for two weeks per semester

Examination: Minor-1 and Minor-2 in online mode, End semester examination in offline mode

A new Master of Technology (MTech) program (Self-sponsored) in Power Systems and Reliability in online mode was started in 2022 with an initial intake of 15 students. Given the projected demand of Power Grid for their employees needing qualification enhancement, the institute floated this needbased MTech programme.

The proposed initiatives are completely aligned with the Vision and Mission of the Institute and National Education Policy–2020. Our National Education Policy lays great emphasis on introduction of need based programmes for Industry so that our country can take the lead in preparing professionals in this cutting-edge area and become a leading knowledge society in the coming years.

9.8. Center for Continuing Education (CCE)

Faculty

Name	Designation	Qualification	E-Mail
Prof. Vishal Santosh Sharma	Head, CCE and Professor, Industrial & Production Engg	Ph.D.	cce@nitj.ac.in
Dr Prashant Kumar	Coordinator, CCE Assistant Professor, Computer Science & Engg.	Ph.D.	prashantk@nitj.ac.in
Dr Preeti Puri	Coordinator, CCE Assistant Professor, Humanities and Management	Ph.D.	purip@nitj.ac.in
Mr Dhanwantari Prakash Tripathi	Coordinator, CCE Deputy Librarian, Central Library	M.A., MLISc, UGC-NET	tripathidp@nitj.ac.in
Mr Bhupinderjit Singh	Member, CCE Scientific Officer	M.C.A.	bhupinderdhani@nitj.ac.in
Mr Rohit Rana	Member, CCE Training Officer, Training and Placement Cell		rohitr.hm@nitj.ac.in
Mr Kanwardeep Singh	Member, CCE Computer Centre		kanwardeeps@nitj.ac.in
Ms Simran	Member, CCE		stc@nitj.ac.in

Centre for Continuing Education (CCE) is established in the Institute to cater the need of the society. The center will provide a multidisciplinary platform for policy discourse. This will bring researchers, practitioners, and interested members of our community together in order to contribute meaningfully to policy debates on development, resettlement and other such burning issues.

The CCE aims to foster new relationships and interactions among public officials, civil society and the private sector in the search for creative solutions to public policy problems take management decision for development of society.

The CCE may engage government agencies, national and international academic institutions, NGOs, industries, and individuals to promote management education.

The Centre covers the wide range of short term and long-term program to be offered to all citizens of India and abroad. Its aims are as under:

- To conduct courses on public policy, urban and rural planning, skill development, entrepreneurship, management, governance etc.
- To strengthen the government's capacity to effectively implement policies.
- Centre may conduct and organizes management development programmes, seminars, talks, workshops, conferences etc.
- To conduct capacity building programmes in the field of management, engineering, public policy, finance etc.
- Centre may run a long-duration programmes that would help them develop in-depth capability for both policy-making and implementation.
- To conduct short-duration training program for participants from government, civil society, industries and non-profit sectors, private sectors etc.
- Centre will provide policy advisory services, consulting services and research.
- To provide a forum for policy dialogue among policy stakeholders.
- Centre may offer programmes through online mode to cater the need of society.
- To provide any other services which deem fit for the upliftment of society.

9.9. LIBRARY

Library Team:

Name	Designation	Qualification	Email
Dr Sarbrinder Kaur	Librarian	Ph D (GNDU)	kaurs@nitj.ac.in
Mr Dhanwantari Prakash Tripathi	Deputy Librarian	MLISc.	tripathidp@nitj.ac.in
Mr. Varun Patney	Assistant Librarian	MLISc.	Patneyv@nitj.ac.in

Library is housed in a multi storied air-conditioned building situated in the midst of all departments and hostels and is easily accessible to all/everyone in the campus. The total carpet area of library is 1540 sq. feet. All students, faculty members and staff of the institute are entitled to make use of the library facilities. Industrial establishment/corporate houses can also avail the library services on taking institutional/corporate membership of the library. Library consultation facilities are also available to faculty and students of outside institute/ organization on request.

Library Hours: 9.00 AM to 9.00 PM.

Extendable till 12.00 midnight during examinations days.

Library Resources and membership: The library has 1, 32, 635 volumes comprising of books, standard. Theses, CD-ROM, bound volumes of journals and videocassettes pertaining to various disciplines of Science, Engineering and Technology. Central Library catered to the information needs of about 5000 members during the current academic year.

- Video Library and E-media resources center: The institute library is equipped with video viewing facility also. Audio-Visual section is equipped with 29" T.V & VCP, Multimedia Projector, Projection screen etc. It has a collection of about 1994 videocassettes. CDs., and DVDs. Library has a well- equipped e-medial resources center to provide access to virtual resources.
- New centrally air-conditioned library building with the capacity to provide computing facility to 500 users is ready to be taken over
- Print Journal and Access to Electronic Journals: The institute Library subscribes to about 89 current journals and magazines in print form and almost all dailies. In addition to the above, and to boost research,
- Library provides the online access to the various electronic resources being published by almost all the major publishers of the world in all subjects of Engineering, Technology, Sciences, and Management etc.
- Library provides specialized services like mobile services, room delivery of Books to Physically challenged students.

9.10. CENTRAL WORKSHOP

Central Workshop Functionaries

S. No	Name	Responsibility	Contact No.	Email
1	Dr. Dinesh Kumar Shukla	Head Workshop	94781-28407	shukladk@nitj.ac.in
2	Dr. Gurraj Singh	Coordinator, Workshop	98888-53154	singhg@nitj.ac.in

Central Workshop Staff

S. No	Name	Shop	Contact No.	Email
1.	Mr. Sukhvinder Singh	Welding Shop	99885-02595	sukhwinders@nitj.ac.in
2.	Mr. Shinderpal	Carpentry Shop	98880-22132	shinderp@nitj.ac.in
3.	Mr. Gurmail Singh	Electrical Shop Fitting Shop	82888-80464	gurmails@nitj.ac.in
4.	Mr. Dev Datt	Foundry Shop	98762-61192	devd@nitj.ac.in
5.	Mr. Ranbir Singh	Smithy shop Machine Shop	94652-36907	ranbirs@nitj.ac.in
6.	Mr. Talvinder Singh	Sheet Metal Shop	9872632726	talvinders@nitj.ac.in

In this dynamic world, Technology plays a significant role in the learning. It is an established fact that one can have a strong grip on the concept of Science and Technology by seeking logic and reasoning behind them rather than just mugging them up. The youth of today is brimming with curiosity and inquisitiveness. They are perpetually on the move. The rapid pace of technological advancement has made it imperative for us to be well informed in the global scenario. Each day in our life dawns with new challenges to be faced. One needs to be geared up to face these challenges with determination, righteousness and well directed thoughts. All these geared mechanisms are boosted only with the help of practical aspects which are only and only possible on the floor of "**Workshop**". A workshop is an informative and/or instructional class focused on teaching specialized skill or exploring a particular subject.

The Central Workshop has eight constituent shops viz, Carpentry Shop, Electrical Shop, Fitting Shop, Foundry Shop, Machine Shop, Sheet Metal Shop, Smithy Shop and Welding Shop along with some state of the art machine tool facilities such as CNC Vertical Machining Center(VMC), Ultrasonic Stir Casting, Induction Melting Furnace, Tool and Cutter Grinder available in the workshop.

B Tech 1st year student undergo two weeks training program during summer vacation at the Central Workshop after the completion of second semester. This is mandatory Non-credit course for students. To undergo specialized specified training. B.Tech minor and major projects of especially Mechanical Engineering and Industrial & Production Engineering departments are Manufacture and Fabricated in the Central workshop. In addition to the above-mentioned program, the B. Tech, M. Tech, PhD students enrolled in various department complete their projects, thesis work respectively.

10. NIT Jalandhar IT infrastructure usage Policy

NIT Jalandhar endeavors to provide all faculty, students and staff with a modern, fully networked computing and IT environment for academic use.

Users of NITJ computing, networking and IT facilities are expected to abide by the following rules, which are intended to preserve the utility and flexibility of the system, protect the privacy and work of students and faculty, and preserve our right to access the international networks to which the system is connected. In case of complaints, appropriate action to be taken will be decided and taken by the person in-charge of the facility in consultation with the Director, Dean of Planning & Development, Dean of Students Welfare and System Administrator as appropriate.

1. Faculty, staff, and students with authorized accounts may use the computing and IT facilities for academic purposes, official Institute business, and for personal purposes so long as such use
 - does not violate any law, Institute policy or IT act of the Government of India.
 - does not interfere with the performance of Institute duties or work of an academic nature (as judged by the NIT, Director).
 - does not result in commercial gain or private profit other than that allowed by the Institute.
2. Users are expected to respect the privacy of other users and they may not allow any other person to use their password or share their account. It is the users' responsibility to protect their account from unauthorized use by changing passwords periodically and using passwords that are not easily guessed. Sharing of passwords for any purpose whatsoever is strictly prohibited. Users may share the required files through a sharing software with proper ACL (**Access control list**).
3. Any attempt to circumvent system security, guess others' passwords, or in any way gain unauthorized access to local or network resources is forbidden. Users may not use another person's computing account, attempt to forge an account identity, or use a false account or e-mail address.
4. Transferring copyrighted materials to or from the NITJ systems without express consent of the owner is a violation of international law. In addition, use of the internet for commercial gain or profit is not allowed from an educational site. If done so, it will be sole responsibility of the user.
5. Downloading and installing of new software has to be done with the explicit consent of the respective facility in-charges. Installation of unlicensed software on NITJ facilities, or on individual machines connected to the NITJ network, is strictly prohibited.
6. Setting up of any facility requiring password transmission over clear text is prohibited.
7. To the extent possible, users are expected to use only their official email addresses provided by NIT Jalandhar for official communications with other members of the Institute.
8. It is forbidden to use electronic mail and other network communications facilities to harass, offend, or annoy other users of the network, including impeding their computing systems, software, or data. Chain letters are not allowed. Neither is any form of commercial advertising, or soliciting allowed. Spamming is strictly disallowed. Subscribing to mailing lists outside the Institute is an individual's responsibility. Subscribing someone else to any group outside NIT Jalandhar is illegal.
9. It is forbidden to send frivolous or academically unimportant messages to any group. Broadcast of messages to everyone in the system is allowed only for academic purposes and emergencies. Violations of this (as decided by concerned authorities) will result in immediate freezing of user's account for an extended period as determined by the authorities.
10. Shared email accounts for any purpose whatsoever are not allowed. Any special accounts, if need to be set up for conferences and other valid reasons as determined by the institute authorities, must have a single designated user.
11. Recreational downloads and peer to peer connections for recreational purposes are banned.
12. To the extent possible, users are expected to connect only to the official NITJ Wi-Fi network for wireless access. Setting up of unsecured Wi-Fi systems on the NITJ network is prohibited in accordance with a Government of India ban.
13. Users are expected to take proper care of equipment, and are expected to report any malfunction to the staff on duty or to the in-charge of the facility. Users should not attempt to move, repair, reconfigure, modify, or attach external devices to the systems.
14. NO FOOD OR DRINK is permitted in the laboratories. Smoking is strictly prohibited. Also making noise either through games/ music or even talking and/ or singing loudly is prohibited.
15. Playing of Games in Institute laboratories or using Institute facilities is strictly prohibited. Internet chat is also banned.
16. Display of offensive material (either on computer screens or through posters etc.) is strictly disallowed and serious action will be taken against offenders.
17. Violations of policy will be treated as academic misconduct, misdemeanor, or indiscipline as appropriate. Depending upon the nature of the violation, the institute authorities may take an action by issuing a warning through disabling the account. In extreme cases, the account may be completely deleted and/ or the user prohibited access to IT facilities at NITJ, and/ or sent to the Institute disciplinary action committee as constituted by the Institute authorities.
18. The policy may change as and when it is considered appropriate and new policies or the changes in policy will take effect immediately after a brief announcement by any means, e-mail, printed notices, or through the news groups.

11. Undertaking with respect to NIT, Jalandhar IT Usage Policy

Whom this Document Concerns

All Users of IT infrastructure (Computers and the Network) at NIT, Jalandhar.

Reason for Policy

This policy outlines the responsible use of the Information Technology Infrastructure at NIT, Jalandhar.

Statement of Policy

All users of NIT, Jalandhar will be subject to the following **Acceptable Use Policy**

1. **[Content]** I shall be responsible for all use of this network. In case I own a computer and decide to connect it to NIT, Jalandhar network, I will be responsible for all the content on it, especially that which I make available to other users. (This provision will also apply to any computer or device for which I am responsible, and is included in the meaning of "my computer".) In case I do not own a computer but am provided some IT resources by NIT, Jalandhar, I will be held responsible for the content stored in the designated workspace allotted to me (examples: file storage area, web pages, stored/archived emails, on Computer Centre or Department machines).
2. **[Network]** I will be held responsible for all the network traffic generated by "my computer". I understand that network capacity is a limited, shared resource. I agree that physically tampering with network connections/equipment, sending disruptive signals, or making EXCESSIVE USE of network resources is strictly prohibited. Repeated offenses of this type could result in permanent disconnection of network services. I shall not share the network connection beyond my own use and will not act as a forwarder/ masquerader for anyone else.
3. **[Academic Use]** I understand that the IT infrastructure at NIT, Jalandhar is for academic use and I shall not use it for any commercial purpose or to host data services for other people or groups. Also, I shall not host or broadcast information that might harm others or may be otherwise considered objectionable or illegal as per Indian law.
4. **[Identity]** I shall not attempt to deceive others about my identity in electronic communications or network traffic. I will also not use NIT, Jalandhar IT resources to threaten, intimidate, or harass others.
5. **[Privacy]** I will not intrude on privacy of anyone. In particular, I will not try to access computers (hacking), accounts, files, or information belonging to others without their knowledge and explicit consent.
6. **[Monitoring]** I understand that the IT resources provided to me are subject to monitoring, with cause, as determined through consultation with the NIT, Jalandhar administration, when applicable. The monitoring may include aggregate bandwidth usage to effectively manage limited IT resources as well as monitoring traffic content in response to a legal or law enforcement request to do so. I authorize NIT, Jalandhar administration to perform network vulnerability and port scans on my systems, as needed, for protecting the overall integrity and efficiency of NIT, Jalandhar network.
7. **[Viruses]** I shall maintain my computer on this network with current virus detection software and current updates of my operating system, and I shall attempt to keep my computer free from viruses, worms, Trojans, and other similar programs.
8. **[File Sharing]** I shall not use the IT infrastructure to engage in any form of illegal file sharing (examples: copyrighted material, obscene material). In particular, I have noted the following:
Electronic resources such as e-journals, e-books, databases, etc. made available by the Central Library, NIT, Jalandhar are for academic use. These resources can be searched, browsed, and material may be downloaded and printed as single copies of articles as is done in the case of printed library material. Downloading or printing of a complete book or an entire issue or a volume of one or more journals (called systematic downloading) is strictly prohibited. Use of robots, spiders or intelligent agents to access, search and / or systematically download from the e-resources is also prohibited. Any violation of this policy will result in penal action as per the rules and regulations of the Institute. I am aware that Systematic downloading will result in the publisher blocking the entire community of users at NIT, Jalandhar from accessing these resources.
9. **[Security]** I understand that I will not take any steps that endanger the security of the NIT, Jalandhar network. Specifically, I will not attempt to bypass firewalls and access rules in place. This includes not setting up servers of any kind (examples: web, mail, proxy) that are visible to the world outside the NIT, Jalandhar campus. In critical situations, NIT, Jalandhar authorities reserve the right to disconnect any device or disable any account if it believed that either is involved in compromising the information security of NIT, Jalandhar.
10. **[Penalties]** I understand that any use of IT infrastructure at NIT, Jalandhar that constitutes a violation of NIT, Jalandhar Regulations could result in administrative or disciplinary procedures.

TELEPHONE DIRECTORY (ALPHABETICAL)

Institute VoIP Telephone Directory		
Name of the Officer	Local Number	Direct Number
Pilot Number		01815037400
(For out side institute Press 9 & then dial)		
Director	1000	01815037401
Director	1001	01815037402
PA to Director	1002	01815037403
Mr. Rajinder Kumar Director Office	1003	01815037404
Dean, Acad	1101	01815037415
Office of Dean Acad	1102	01815037416
Dean, PD	1105	01815037417
Office of Dean PD	1106	01815037418
Dean, SW	1110	01815037419
Office of Dean SW	1112	01815037420
Dean, RC	1115	01815037421
Office of Dean RC	1116	01815037422
Dean, FW	1120	01815037423
Office of Dean FW	1121	01815037424
Registrar	1200	01815037425
Registrar	1201	01815037426
PA to Registrar	1202	01815037427
Mr. Ganesh Parsad	1203	01815037428
Ms. Poonam Arora	1215	01815037429
Mr. Abhay Sharma	1216	01815037430
Mr. Nisha Shukla	1217	01815037431
Ms. Kulwinder Kaur	1218	01815037432
Mr. Haremsb Bhatt	1219	01815037433
Ms. Rajni	1220	01815037434
Mr. Ramneek Kumar	1222	01815037435
Mr. Amarjeet Singh	1223	01815037436
MR. Amarjeet Singh	1224	01815037437
Mr. Vipin Kumar	1225	01815037438
Mr. Milp Dogra	1226	01815037439
Ms. Sangeeta	1227	01815037440
Mr. Sanjeev Jetti	1228	01815037441
Mr. Harinder Ram	1229	01815037442
Mr. Arun Ram	1230	01815037443
Ms. Shakuntala	1231	01815037444
Mr. Narinder Kumar	1237	01815037445
Mr. Parminder Kumar	1238	01815037446
Mr. Saurabh Gupta	1240	01815037447
Mr. M. S. Bhalla	1241	01815037448
Mr. Sunil Arora	1242	01815037449
Mr. Rajesh Sharma	1243	01815037450
Mr. Harsh Malhotra	1251	01815037451

Mr. Pargat Singh	1252	01815037452
Mr. Krishan Gir	1253	01815037453
Mr. Umesh Ram (Dispatch)	1288	01815037454
CTP(HoD)	1295	01815037458
CTP Office	1296	01815037459
Head , EE	1501	01815037461
Office of (EE)	1502	01815037462
Dr. Harimurgan Devarajan	1503	01815037463
Dr.Kailash Chand Sharma	1504	01815037464
Dr.Vivek Sharma	1505	01815037465
Mr. Mohammed Alim	1516	01815037466
Dr. Mohit Kumar	1603	01815037469
Dr. Nisha	1604	01815037470
Mr. Pardeep Kumar	1818	01815037488
Mr. Sukwinder Singh (AC)	1819	01815037489
Mr. Manjeet Singh	1820	01815037490
Mr. Balkar Singh	1821	01815037491
Mr. Vijay Kumar	1822	01815037492
Head, BT	2101	01815037519
Office of BT	2102	01815037520
Dr. A.K Jana	2103	01815037521
Dr. N.Basak	2104	01815037522
Dr. Anee Mohanty	2105	01815037523
Dr. Indu Chauhan	2106	01815037524
Dr. Mahesh Kumar Sahu	2107	01815037525
Dr. Nikhil G N	2108	01815037526
Dr. Sumer Singh Meena	2109	01815037527
Mr. Shiv Kumar	2115	01815037528
Mr. Malkeet Singh	2116	01815037529
Mr. Ram Kripal	2117	01815037530
Head, CY	2201	01815037531
Office of CY	2202	01815037532
Dr. B. S. Kaith	2203	01815037533
Dr. N. C. Kothiyal	2204	01815037534
Dr. Rajeev Jindal	2205	01815037535
Dr. Sangeeta Obrai	2206	01815037536
Dr. Jaspreet Kaur Rajput	2207	01815037537
Dr. H. K. Manchanda	2208	01815037538
Dr. Uma Shankar	2209	01815037539
Dr. Sadhika Khullar	2210	01815037540
Dr. Vimal Kumar	2211	01815037541
Dr. Vikram Jeet Singh	2212	01815037542
Dr. Rakesh Kumar	2213	01815037543
Seminar Room, CY	2222	01815037544
Head, IIC	2227	01815037545
Office of IIC	2228	01815037546
Dr. A. K. Agnihotri	2303	01815037549

Dr. A. P. Singh	2304	01815037550
Dr. S. P. Singh	2305	01815037551
Dr. H. S. Chore	2306	01815037552
Dr. Davinder Singh	2307	01815037553
Dr. Shailja Bawa	2308	01815037554
Dr. Senthil Kasilingam	2309	01815037555
Dr. S Rupali	2310	01815037556
Dr. Navdeep Singh	2311	01815037557
Dr. Kanish Kapoor	2312	01815037558
Dr. Rajiv Kumar	2313	01815037559
Dr. Shashi K Sharma	2314	01815037560
Dr. Mahesh Patel	2315	01815037561
Dr. M. Abdul Akbar	2316	01815037562
Dr. Neelam Rani	2317	01815037563
Mr. Anup Gupta	2323	01815037564
Mr. Kushpal Singh	2324	01815037565
Mr. Hardial Singh	2325	01815037566
Head, Chemical	2401	01815037567
Office of Chemical	2402	01815037568
Dr. M. K. Jha	2403	01815037569
Dr. Ajay Bansal	2404	01815037570
Dr. Reenu Gupta	2405	01815037571
Dr. Poonam Gera	2406	01815037572
Dr. Sangeeta Garg	2407	01815037573
Dr. S. Bajpai	2408	01815037574
Dr. Jatinder Kumar	2409	01815037788
Dr. N.K. Srivastava	2410	01815037576
Dr. Raj Kumar Arya	2411	01815037577
Dr. Neetu Divya	2412	01815037578
Dr. Shashikant Yadav	2413	01815037579
Dr. Nitin Naresh Pandhare	2414	01815037580
Dr. Deepak Sahu	2415	01815037581
Dr. D Girbabu	2416	01815037582
Dr. Anurag Kumar Tiwari	2417	01815037583
Dr. Anjireddy Bhavanam	2418	01815037584
Dr. Amit Dhruv Saran	2419	01815037585
Mr. Kamoj Kumar	2424	01815037586
Mr. Malkit Singh	2425	01815037587
Mr. Tarsam Lal	2426	01815037588
Mr. Aruna Rani	2427	01815037589
Mr. Ramesh Kumar	2428	01815037590
Head, CS	2501	01815037591
Office of CS	2502	01815037592
Dr. A. L. Sangal	2503	01815037593
Dr. Harsh Verma	2504	01815037594
Dr. Geeta Sikka	2505	01815037595
Dr. Reenu Dhir	2506	01815037596

Er. D. K. Gupta	2507	01815037597
Er. Rahul Aggarwal	2508	01815037598
Dr. Rajneesh Rani	2509	01815037599
Dr. Avtar Singh	2510	01815037600
Dr. Nonita Sharma	2511	01815037601
Dr. K. P. Sharma	2512	01815037602
Dr. Kuldeep Kumar	2513	01815037603
Dr. Samayveer Singh	2514	01815037604
Dr. Urvashi	2515	01815037605
Dr. Aruna Malik	2516	01815037606
Dr. Amritpal Singh	2517	01815037607
Dr. Lalatendu Behera	2518	01815037608
Dr. Prashant Kumar	2519	01815037609
Dr. Kunwar Pal	2520	01815037610
Dr. Jagdeep Kaur	2521	01815037611
Mr. V. N. Khana	2526	01815037612
Mr. Bikram Chand	2527	01815037613
Mr. Kulwant Rai	2528	01815037614
Mr. Pardeep Kumar	2529	01815037615
Mr. Sunita Rani	2530	01815037616
Head, EC	2601	01815037617
Office of EC	2602	01815037618
Dr. Arun Kumar Khosla	2603	01815037619
Dr. Barjinder Singh Saini	2604	01815037620
Dr. Mamta Khosla	2605	01815037621
Dr. R. K. Sunkaria	2606	01815037622
Dr. Indu Saini	2607	01815037623
Dr. Neetu Sood	2608	01815037624
Dr. Ashish Raman	2609	01815037625
Dr. Deepti Kakkar	2610	01815037626
Dr. Manjeet Singh	2612	01815037627
Dr. Tarun Chaudhary	2613	01815037628
Dr. Nitesh kashyap	2614	01815037629
Dr. Pawan Kumar Verma	2615	01815037630
Dr. S. K. Awasthi	2616	01815037631
Dr. Sukwinder Singh	2617	01815037632
Mr. Gain Chand	2623	01815037633
Mr. Kuldeep Singh	2624	01815037634
Mr. Rajinder Kumar	2625	01815037635
Mr. R. K. Mishra	2626	01815037636
Mrs. Chhinder Pal Kaur	2627	01815037637
Mr. Swinder Singh	2628	01815037638
Head, HM	2701	01815037639
Office of HM	2702	01815037640
Dr. S. J. S Bedi	2703	01815037641
Dr. Sonia Chawla	2704	01815037642
Dr. Jagwinder Singh	2705	01815037643

Dr. Aditya Prakash	2706	01815037644
Dr. Gyan Prakash	2707	01815037645
Dr. Preeti Puri	2708	01815037646
Dr. Shyamkiran Kaur	2709	01815037647
Head, IP	2801	01815037648
Office of IP	2802	01815037649
Dr. R.K Garg	2803	01815037650
Dr. Arvind Bhardwaj	2804	01815037651
Dr. Vishal Sharma	2805	01815037652
Dr. Anish Sachdeva	2806	01815037653
Dr. Ajay Gupta	2807	01815037654
Dr. Rajeev Trehan	2808	01815037655
Dr. L.P Singh	2809	01815037656
Dr. Rakesh Kumar	2810	01815037657
Dr. R.K Bansal	2811	01815037658
Dr. S. Bhadauria	2812	01815037659
Dr. Kapil Kumar	2813	01815037660
Dr. Mohit Tyagi	2814	01815037661
Dr. Narinder Kumar	2815	01815037662
Dr. Rajeev Verma	2816	01815037663
Dr. Ravi Pratap Singh	2817	01815037664
Dr. Varun Sharma	2818	01815037665
Dr. Gurraj Singh	2819	01815037666
Dr. Dilbag Panchal	2820	01815037667
Dr. Aviral Mishra	2821	01815037668
Mr. Mahinder Pal	2827	01815037669
Head, IC	2901	01815037670
Office of IC	2902	01815037671
Dr. Dilbag Singh	2903	01815037672
Dr. A.K Jain	2904	01815037673
Dr. S.K Pahuja	2905	01815037674
Dr. Roop Pahuja	2906	01815037675
Dr. K.S Nagla	2907	01815037676
Dr. Rajesh Singla	2908	01815037677
Dr. N. S Bhangal	2909	01815037678
Dr. Sheela Tiwari	2910	01815037679
Dr. Afzal Sikandar	2911	01815037680
Dr. Amit K Singh	2912	01815037681
Dr. Karan Jain	2913	01815037682
Dr. Karan veer	2914	01815037683
Dr. O. P. Verma	2915	01815037684
Dr. Ravi Verma	2916	01815037685
Dr. Sathiya S	2917	01815037686
Mr. Mahesh Kumar	2925	01815037687
Mr. Vijay Kumar	2926	01815037688
Mr. Gurpreet Singh	2927	01815037689
Mr. Tarlok Kumar	2929	01815037690

Head, MA	3001	01815037691
Office of MA	3002	01815037692
Dr. Jaspal Singh	3003	01815037693
Dr. Damanjit Kaur	3004	01815037694
Dr. Geeta Pratap	3005	01815037695
Dr. R.R Sihna	3006	01815037696
Dr. Anupam Yadav	3007	01815037697
Dr. Ravinder Singh	3008	01815037698
Dr. Deepika Rani	3009	01815037699
Dr. M. Zafar	3010	01815037700
Dr. Ravinder Kumar Tahkur	3011	01815037701
Dr. Sukhjot Singh	3012	01815037702
Mr. Sher Singh	3017	01815037703
Head, ME	3101	01815037704
Office of ME	3102	01815037705
Dr. Joseph Anand Vaz	3103	01815037706
Dr. Subhash Chander	3104	01815037707
Dr. Rajeev Kukreja	3105	01815037708
Dr. Parmod Kumar	3106	01815037709
Dr. D. K. Shukla	3107	01815037710
Dr. Raman Bedi	3108	01815037711
Dr. R. S. Bharj	3109	01815037712
Dr. Ajay Trehan	3110	01815037713
Dr. S. K. Tiwari	3111	01815037714
Dr. T. Srinivas	3112	01815037715
Dr. S.S.Sandhu	3113	01815037716
Dr. Manoj Kumar	3114	01815037717
Dr. Ashok Kumar	3115	01815037718
Dr. Dwesh Kumar	3116	01815037719
Dr. Nitin Sharma	3117	01815037720
Dr. Satender Singh	3118	01815037721
Dr. Sanjay	3119	01815037722
Dr. Rajan Kumar	3120	01815037723
Dr. Sumit Sharma	3121	01815037724
Dr. Saurabh Kango	3122	01815037725
Dr. Ranchan Chauhan	3123	01815037726
Mr. Jaswant Singh	3129	01815037727
Mr. Jagir Singh	3130	01815037728
Mr. Ravi Dogra	3131	01815037729
Mr. Ravinder Singh	3132	01815037730
Mr. Bikram Singh	3133	01815037731
Head, PH	3201	01815037732
Office of PH	3202	01815037733
Dr. Arvinder Singh	3203	01815037734
Dr. Harish Mohan Mittal	3204	01815037735
Dr. Rohit Mehra	3205	01815037736
Dr. Harleen Dahiya	3206	01815037737

Dr. Jyoti Bharj	3207	01815037738
Dr. Parveen Malik	3208	01815037739
Dr. Abhinav Pratap Singh	3209	01815037740
Dr. Kiran Singh	3210	01815037741
Dr. Arvind Kumar	3211	01815037742
Dr. Shishram Rebari	3212	01815037743
Dr. Suneel Dutt	3213	01815037744
Dr. Vinod Ashokan	3214	01815037745
Mr. Ramesh Kumar	3221	01815037746
Mr. Talvinder Singh	3222	01815037747
Mr. Ajay Kumar	3223	01815037748
Mr. Paramjit Mahey	3224	01815037749
Dr. Harleen Dahiya	3225	01815037750
Dr. Harish Mohan Mittal	3226	01815037751
Dr. Jyoti Bharj	3227	01815037752
Mr. Ramesh Kumar	3228	01815037753
Dr. Arvinder Singh	3229	01815037754
Dr. Abhinav Pratap Singh	3230	01815037755
Head, TT	3301	01815037756
Office of TT	3302	01815037757
Dr. J. N. Chakraborty	3303	01815037758
Dr. S. K. Sinha	3304	01815037759
Dr. S. Ghosh	3305	01815037760
Dr. A. Mukhopadhyay	3306	01815037761
Dr. A. Chatterjee	3307	01815037762
Dr. Vinay Midha	3308	01815037763
Dr. N. Bhowmick	3309	01815037764
Dr. M. D. Roy	3310	01815037765
Dr. A. K. Choudhary	3311	01815037766
Dr. Monica Sikka	3312	01815037767
Dr. Lalit Jaipura	3313	01815037768
Dr. N. K. Palaniswamy	3314	01815037769
Dr. K. V. P. Singh	3315	01815037770
Dr. Ghanshyam Neje	3316	01815037771
Mr. Sunil Kumar	3321	01815037772
Mr. Manjeet Singh	3322	01815037773
Mr. Navneet Sharma	3323	01815037774
Textile Library	3324	01815037775
Seminaar room, TT	3325	01815037776
Classroom TT	3326	01815037789
Fabric Lab, TT	3327	01815037778
Fiber Science Lab, TT	3328	01815037779
Chemical Processing Lab, TT	3329	01815037780
computer lab, TT	3330	01815037781
Advance fabric lab, TT	3331	01815037782
Classroom T3, TT	3332	01815037783
Head, CC	3501	01815037474

Ms. Daljeet Kaur	3503	01815037575
Mr. Bhupinder Singh	3504	01815037887
Mr. Ashwani Kumar	3505	01815037777
Conference Hall	3550	01815037791
Computer Centre Lab – I	3551	01815037792
Computer Centre Lab-II	3552	01815037793
Data Centre (Hemant Thapar)	3555	01815037999
Data Centre	3556	01815037786
Librarian	3601	01815037798
Office of Library	3602	01815037799
Dr. Sarbrinder Kaur	3603	01815037800
Mr. Mani Ram Yadav	3604	01815037801
Mr. Davinder Kumar	3605	01815037802
Mr. Kulwinder Singh	3606	01815037803
Ms. Jeevan Lata	3607	01815037804
Mr. Tajvinder Singh	3608	01815037805
HoD, Sport	3701	01815037806
Office of Sport	3702	01815037807
HoD, CTP	3801	01815037808
CTP Office	3802	01815037809
Head, Workshop	3901	01815037810
Office of Workshop	3902	01815037811
Mr. Sukhvinder - I	3908	01815037817
Mr. Sukhvinder-II	3909	01815037818



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