

INFORMATION BROCHURE

FOR ADMISSION TO

DOCTOR OF PHILOSOPHY- Ph.D.

MASTER OF TECHNOLOGY - M. Tech. (Full Time Sponsored/Part Time Sponsored)

MASTER OF PLANNING - M.Plan. (Full Time Sponsored/Part Time Sponsored)

(Odd Semester 2023-24)



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR
JLN MARG, MALVIYA NAGAR, JAIPUR-302017 (RAJASTHAN)

www.mnit.ac.in

FOR FURTHER INFORMATION, PLEASE CONTACT:

Office of Dean Academic
Malaviya National Institute of Technology
J.L.N. Marg, Jaipur (Raj.) – 302017.
E-mail: admissions@mnit.ac.in
webmaster@mnit.ac.in (for technical issues)
Telephone no. 0141- 2715038(Ph.D.) (3.00 PM to 5.00 PM)
0141- 2715046 (PG)(3.00 PM to 5.00 PM)
Web Site: www.mnit.ac.in

APPLICATION HAS TO BE FILLED ONLINE

(Link available at www.mnit.ac.in).

- Start Date of Online Application :- 19-04-2023
- Last Date of submission of Online Application form :- 03-05-2023 (till 5.00 PM)

Provisional list of shortlisted/eligible candidates for written test/interview will be displayed on Institute website by **10-05-2023**.

- Dates of written test & Interview of the shortlisted candidates :- 23-24 May 2023
- Final Result :- 01-06-2023

NOTE :-

- *The Ph.D. entrance written test is exempted for the students who have cleared the National Level Examination viz; UGC NET JRF/CSIR JRF/DST Inspire (with scholarship) and can sustain their Ph.D. from external scholarship/assistantship. However, such candidates will be required to appear for the interview if shortlisted.*
- *No separate interview letter will be issued, the mode of written test and interview will be offline and the detailed schedule will be displayed on the institute website, at least one week before the examination.*
- *For more information please refer to Rules and Regulations given on institute website www.mnit.ac.in.*

ADMISSION CATEGORIES (Ph.D.)

FULL TIME

- i. Full Time with Institute Assistantship
- ii. Full Time with own scholarship
- iii. Full Time Sponsored

PART TIME

- i. Part Time (candidate working within 70 km of Jaipur)
- ii. Institute Project Staff
- iii. Institute Faculty
- iv. Institute Staff
- v. Executive/Professional

Off Campus

- i. Off Campus (Off Campus (beyond 70 km from Jaipur)

1. INTRODUCTION

Malaviya National Institute of Technology Jaipur is one of the 31 National Institutes of Technology in India. These Institutes have been created as centers of excellence for higher training, research and development in science, engineering and technology. Established as a College of Engineering College in 1963, the Institute was declared as National Institute of Technology in the year 2002. It was then accorded the status of deemed university with powers to decide its own academic policy, to conduct its own examinations and to award its own degrees.

The Institute offers undergraduate, postgraduate and research programmes through its Departments. The Institute admits on an average about 900 students for undergraduate (B.Tech./B.Arch.) programmes and about 750 students for the postgraduate and research (M. Tech./M. Planning/M.Sc./MBA/Ph.D.).

The institute offers four year undergraduate courses of study leading to the Bachelor of Technology degree in Chemical, Civil, Computer, Electrical, Electronics & Communication, Mechanical and Metallurgical & Materials Engineering and five year Bachelor of Architecture.

The institute offers full-time/part-time postgraduate programmes leading to the degree of Master of Technology in Chemical Engineering, Computer Engineering, Design Engineering, Disaster Assessment and Mitigation, Electronics & Communication Engineering, Thermal Engineering, Environmental Engineering, Industrial Engineering, Metallurgical & Materials Engineering, Power Systems, Power Systems Management, Production Engineering, Renewable Energy, Steel Technology, Structural Engineering, Transportation Engineering, VLSI Design, Embedded Systems, Earthquake Engineering, Power Electronics and Drives, Wireless and Optical Communication, Water Resources Engineering and Master of Planning (Urban Planning).

The Institute also offers full time MBA programmes in the Department of Management Studies and M.Sc. in Sciences (Physics, Chemistry and Mathematics).

The institute offers Full-time/Part-time Ph.D. programmes in Architecture & Planning, Civil, Chemical, Computer, Electrical, Electronics & Communication, Mechanical, Metallurgical & Materials, Energy & Environment, Sciences (Physics, Chemistry, Mathematics), Management and Humanities & Social Sciences, National Centre for Disaster Mitigation & Management and Materials Research Centre.

2. THE OBJECTIVE

The objectives of the postgraduate programmes - MBA, M.Plan., M. Tech./M. Plan. and Ph.D. at the Malaviya National Institute of Technology, Jaipur, India (MNIT) are as follows:

- To cultivate high standard of performance in teaching & research,

- To develop the scientific, managerial and engineering manpower of the highest quality to cater to the needs of the Industry, R&D organizations and academia,
- To provide opportunity to students to do research in cutting edge areas,
- To be a role model and leader of educational Institutions in the country,
- To provide a broad grasp of the fundamental principles of the sciences and scientific, managerial and technological methods through its curriculum,
- To provide a deep understanding of the areas of specialization,
- To provide an innovative ability to solve new and open problems,
- To provide a capacity to learn continually and interact with multidisciplinary groups,
- To develop the students with a capability for:
 - Free and objective enquiry
 - Courage and integrity
 - Awareness and sensitivity to the needs and aspirations of society.
 - Doing independent research in their chosen areas

With this end in view, the postgraduate programmes are designed to include courses of study, seminars, project and thesis submission through which a student may develop his concepts and intellectual skills.

The procedures and requirements stated in the "Rules and Regulation manual for PG Programmes" embody the philosophy of the postgraduate education & research and ensure the highest standards of performance in teaching and research at the Institute. Within this general framework, subject to the approval of the Senate Post-Graduate Board (SPGB)/Senate, the various departments/centres may impose such additional requirements as will serve their particular academic goals. The Rules and Procedures given in the manual are adhered to and implemented without any change and with all fairness. While considering an issue, if the manual does not specifically mention something, the same shall be forwarded by DPGC to SPGB/Senate for its consideration.

Location: MNIT Jaipur is situated on Jawahar Lal Nehru Marg in South of Jaipur. This Institute is about 10 km. away from the Jaipur Railway Station/Main Bus Stand and 5 km from the Airport. Frequent City transports are available to this Institute.

Campus: MNIT Jaipur is a residential Institution and provides residential facilities to the students as well as staff. The Institute campus area extends to 325 acres with many interesting topographical features, imaginatively laid out with picturesque landscape, numerous buildings and wide roads, the campus presents a spectacle of harmony in architecture and natural beauty.

The Central Library, Central Computer Centre and Design Centre of the institute are the backbone of the institution and are accessible to the students and staff of the institute.

3. CREDIT SYSTEM

Education at the Institute is organized around the credit system of study. The prominent features of the credit system are process of continuous evaluation of a student, performance, and a flexibility to allow a student to progress at an optimum pace suited to his/her ability or convenience subject to fulfilling minimum requirement for continuation.

Each course has a certain number of credits, which describe its weightage. A student's performance is measured by the number of credits that he/she has completed satisfactorily. A minimum number of earned credits should also be obtained in order to qualify for the degree.

The minimum academic requirements for the various degrees including minimum & maximum credits to be registered in a particular semester are indicated in the "Rules and Regulation manual for PG Programmes", which is available on Institute website.

Every course is co-ordinated by a member of the teaching staff of the department, which offers the course in a given semester. This faculty member is called the Course Co-ordinator. He has full responsibility for conducting the course, co-ordinating the work of the other members of the faculty involved in that course and for holding tests and assignments and awarding grades. For any difficulty a student is expected to approach the Course Co-ordinator for advice and clarification.

4. ADMISSIONS

Academic Session

The academic session of the PG Programmes is divided into two semesters (odd and even). The odd semester will normally commence around July every year, and the even semester around January every year.

The admissions to Ph.D. programme is made in both the regular semesters, however, admissions to M.Tech./M.Sc./M.Plan/MBA are made in the semester commencing in July.

4.1 ELIGIBILITY FOR ADMISSION

- i. The eligibility conditions given below are the absolute minimum. Departments/Centres may prescribe any requirements over and above for short listing. All eligibility requirements **must be met by the date as prescribed in PG Rules & Regulations 2.4 (6&7) as follows:-**
 - a. The selected candidate, who has completed all the examinations including project/thesis examination and the viva voce before the date of registration but is unable to produce the certificate in proof of having passed and secured the minimum specified qualifying marks, may be considered for provisional admission. However, if admitted provisionally, they will be required to produce the evidence of their having passed (or at least appeared in) the qualifying degree examination by the last date of registration, failing which the admission may be cancelled.
 - b. The provisions in para 6 above shall not be applicable in the case of M.Tech./M.Plan./MBA student of this institute, who has been provisionally selected for admission to a Ph.D. programme. Such students will be admitted to the Ph.D. Programme subject to the condition that they must have successfully completed all the prescribed requirements including acceptance of their Thesis/Project in a particular semester by the last registration date as specified in the academic calendar.
- ii. The "specified minimum" CGPA/marks implies a minimum of 6.5 on the 10 point scale (60% marks, only where CGPA is not awarded) for Ph.D. with a relaxation for SC/ST/PWD implying minimum of 6.0 on the 10 point scale (55% marks, only where CGPA is not awarded) in qualifying degree (refer Table 1).
- iii. **Reservation policy as prescribed by Government of India/Ministry of Education from time to time shall be applicable.**

4.2 SELECTION PROCESS

Selection process will comprise of two steps (i) Written test (ii) Interview of shortlisted candidates. The written test will comprise of two sections: Section A will test the research aptitude of the candidate and Section B, which will test the subject knowledge of the candidate. A candidate is required to score a minimum of 35% separately in both Part A and Part B and together 50% (with 30% weightage of Part-A and 70% weightage of Part-B) in order to qualify for the interview round.

Format/sample questions for Part A and Part B, and sample papers will be made available on the Institute website in due course.

4.3 M. TECH./M. PLAN. (FULL TIME WITH ASSISTANTSHIP)

The admissions to M.Tech./M.Plan. (Full Time with Assistantship) will be done through Centralized Counseling for M. Tech./M.Arch./M.Plan. (CCMT) for the year 2023-24. For more details and information brochure, please visit the website www.ccmt.nic.in

4.4 M. TECH./M. PLAN. (FULL TIME SPONSORED/PART-TIME)

Sponsored candidates are employees of a Public Sector Undertaking, a Government Department, a Research & Development organization, or a recognized private industry of repute (approved by SPGB on the recommendation of DPGC), or an Educational Institution, or be a Defence Sponsored Officer. Such candidates must be sponsored as Full-Time students.

Part-Time Candidates are Employees working in any Govt. organization/ Recognized private institutions

- i. The applicant must have a Bachelor's degree in Engineering/AMIE in appropriate discipline or a Master's degree in appropriate discipline with specified minimum CGPA/marks, as discussed above.
- ii. The applicant must have at least two years regular service
- iii. For working employees of MNIT, one year experience is required.

4.5 DOCTOR OF PHILOSOPHY

4.5.1 PH.D. IN ENGINEERING, ARCHITECTURE & PLANNING DISCIPLINE

The applicant must have a Master's degree in Engineering/Technology/Architecture/Planning with CGPA not below 6.5 on a 10-point scale or 60% marks (Where CGPA is not awarded). In exceptional cases brilliant candidates (graduated from CFTI and other institutions whose NIRF ranking is up to 100) with CGPA of more than 8 (75% marks) in Bachelors degree in Engineering/Architecture/Planning may be recommended by DPGC to SPGB for admission in Ph.D. program. Such candidates having, sufficient experience in the relevant area and publications in refereed conferences/journals as notified by DPGC, may also be considered.

4.5.2 PH.D. IN HUMANITIES & SOCIAL SCIENCES

The applicant must have the master degree with CGPA not below 6.5 on a 10-point scale or 60% Marks (where CGPA is not awarded).

4.5.3 PH.D. IN MANAGEMENT

The applicant must have a two-year post-graduate degree or equivalent from recognized institute/University with CGPA not below 6.5 on a ten-point scale or 60% marks (where CGPA is not awarded)

4.5.4 PH.D. IN SCIENCES (PHYSICS/CHEMISTRY/MATHEMATICS)

The applicant must have a Master's Degree in the relevant Science subject with CGPA not below 6.5 on a 10-point scale or 60% marks (where CGPA is not awarded).

duration. The sponsored candidates are required to submit No Objection Certificate (NOC) from their employer/organization stating that:

- a. His/Her official duties permit him/her to devote sufficient time for M.Tech./M.Plan./Research. Candidate should give undertaking that he would fulfill the attendance requirements of all the courses undertaken by him for fulfillment of the course pursued.
- b. She/he will have to reside in the institute for a period of not less than one year during his/her registration for the degree. However, this condition can be relaxed for a candidate working in or around Jaipur (within a radius of 70 KM).
 1. M.Tech./M.Plan. Residency requirement of 1 year for doing complete course work
 2. Ph.D. Residency requirement until completing candidacy requirement

7. ADMISSION TO OFF CAMPUS PROGRAMME FOR PH.D.

- i. A candidate residing outside 70 km radius of Jaipur and working in an R&D establishment or in other institution / organization, which is equipped with the necessary infrastructure for carrying out research and library facilities, may be considered by Senate, for admission only to the Ph.D. programmes in Engineering, Architecture & Planning, Management, and Sciences. Such a candidate must be sponsored by his/her employer and must have been in employment with the sponsoring organization for at least 2 years at the last date of application. The Institutions eligible for Off Campus must be recommended by DPGC and approved by SPGB.

The employer must expressly undertake to relieve him/her to stay on the campus to enable the candidate to complete the "Course work", "Comprehensive" and "State of Art" seminar and at the end of every semester for the semester evaluation.

- ii. A candidate applying for admission to the off campus registration programme must provide detailed information about the research facilities available at his/her organization and a certificate that these would be available to him/her for carrying out research. She/he should also provide the bio-data of the prospective supervisor/coordinator who would supervise/coordinate the candidate's work at his/her organization if required.
- iii. On the recommendation of the DPGC, and SPGB, the Chairperson Senate may approve the admission.
- iv. **However SPGB on the recommendation of DPGC may waive off minimum residence requirement to stay on campus in lieu of his earlier research work.**

8. FINANCIAL ASSISTANCE

- i. The Institute may provide financial assistance to postgraduate students in the form of teaching and research assistantships (referred to as Institute Assistantship). Assistantships are awarded on a semester to semester basis for a period of up to four semesters for M.Tech./M.Plan. students and up to ten semesters for Ph.D. students. The stipend for the assistantship is paid at the approved rates as notified by Ministry of Education from time to time. At present a sum of Rs. 31000 + 16% HRA for first two years and Rs. 35000 + 16% HRA for next three years is being given as institute assistantship. A student is expected to devote about eight hours per week towards job(s) assigned to him/her by the department/institute. The renewal of assistantship is contingent on the student's satisfactory performance in the academic programme and in the satisfactory discharge of assistantship duties as assigned to him by the department/institute.
- ii. **GATE score will be mandatory for admission to Ph.D. program (with Institute Assistantship) in Engineering and Sciences. The GATE score should have been acquired either within past three years or the candidate should have completed respective Master's degree with a valid GATE score.**

- iii. For admission to Ph.D. program with Institute Assistantship in the Departments of Management Studies, UGC/CSIR NET shall be mandatory.
- iv. For admission to Ph.D. program with Institute Assistantship in the Humanities & Social Sciences, GATE/ UGC NET/CSIR NET shall be mandatory. The GATE score should have been acquired either within past three years or the candidate should have completed respective Master's degree with a valid GATE score.
- v. Some financial assistantships in the form of research assistantships is also available from sponsored research projects. Additional assistantships in the form of scholarships, fellowships, etc. may be available through other organizations, such as, the Council of Scientific and Industrial Research (CSIR)/ University Grant Commission (UGC) / Department of Atomic Energy (DAE)/ DST/ Ministry of Education/ Corporate Houses etc.
- vi. The candidates applying for institute assistantship are required to submit the undertaking at the time of admission in the prescribed Performa given in Annexure-XI.

9. MINIMUM QUALIFICATION(S) FOR ADMISSION TO PH.D. PROGRAMME

Table 1 : Minimum qualification(s)

Department	Minimum Educational Qualification
Architecture & Planning	Masters degree in Architecture/Planning/Technology in relevant discipline.
Chemical Engineering	B.Tech./M.Tech. or equivalent degree in Chemical Engineering, B. Tech./ M.Tech. or equivalent degree in any branch of Engineering/Chemical Technology and interdisciplinary areas.
Chemistry	M.Sc. in Chemistry/ Medicinal Chemistry / Pharmaceutical Chemistry/ Environmental Chemistry/ Biochemistry/ Biotechnology and related disciplines with chemistry as one of the optional subject.
Civil Engineering	M.E./M.Tech. degree in relevant engineering discipline
Computer Science & Engineering	B.E./B.Tech. in CSE/IT/ECE/EE or equivalent disciplines M.E./M.Tech./M.S. in CSE/IT/ECE/EE or equivalent disciplines
Electrical Engineering	M.E./M.Tech. or equivalent degree in respective & relevant Engineering disciplines
Electronics & Communication Engineering	B. Tech. and M.Tech. Electrical/ Electronics/ Computer/ Communication/ Telecommunication/ Instrumentation/ Control/ Microelectronics or equivalent discipline consistent with research areas of department.
Humanities and Social Sciences	M.A./M.Com. or equivalent degree. Master's degree in Science may be considered for research areas consistent with the academic background and special interest.
Mathematics	M.Sc./M.A./M.Tech/MS or equivalent degree in Mathematics/statistics or in relevant discipline
Mechanical Engineering	B.Tech./M.Tech. degree or equivalent degree in Mechanical/Industrial/ Production Engg. B.Tech./M.Tech. degree/ disciplines consistent with the research areas of the department.

Metallurgical & Materials Engineering	B.E./B.Tech. degree in Metallurgical Engineering/ Materials Engineering/ Mechanical Engineering/ Materials Science and Engineering/ Metallurgical and Materials Engineering/Chemical Engineering/Ceramic Engineering/Manufacturing Engineering/ Production Engineering/ Materials Science/Forge and Foundry with M.E./M.Tech degree in Metallurgical Engineering/Materials Science/Ceramic Engineering/ Thermal Engineering/Polymer Engineering/Plastic Engineering/ Polymer Science and Engineering/Metallurgy and Materials Science/Materials Engineering/ Design/ Machine Design/Production/Foundry/ Industrial Metallurgy/ Welding Technology/ Manufacturing/ Process Metallurgy/Process Engineering/ Corrosion Engineering/ Nano Technology/Steel Technology/Mineral Processing/ Alloy Technology/ Extractive Metallurgy/ Composites/ Powder Metallurgy.
Physics	The applicant must have a Master's degree in following areas: M.Sc. in Physics/Applied Physics/Engineering Physics/allied areas of Physics/interdisciplinary areas in physical sciences M. Tech or equivalent degree in Materials Science / Solid State Physics/ Engineering Physics / Polymer Science / Nanoscience and Nanotechnology/ Energy Science /Technology/ Computational Techniques in Physics
Centre for Energy and Environment	B.Tech/B.Arch./B.E./M.Sc. and Master's degree in Engineering/Technology/Architecture in relevant areas.
National Centre for Disaster Mitigation and Management	Bachelor's degree in Civil Engineering/Architecture Master's degree in Structural engineering/Earthquake Engineering or any other branch of civil/architectural Engineering
Management	The applicant must have a two-year post-graduate degree or equivalent from recognized institute/University.
Materials Research Centre	The applicant must have a Master's degree in Engineering/Technology/ Science subject Other Qualifications: 1. M.Tech/ME or equivalent degree in Materials Science and Engineering, Metallurgical Engineering, Ceramics, Mechanical Engineering, Nanoscience, Polymer Technology, Electronics, Nanotechnology. 2. B Tech students graduating from an IIT with a CGPA of 8.0 or above in the above disciplines along with a valid GATE score OR B Tech / BE (from other reputed Institutions of National importance) with CGPA of 8.5 and above, are eligible to apply. 3. M.Sc in Materials Science/Physics/Chemistry Polymer Technology, Electronics, Nanotechnology. Or equivalent Master's degree in allied areas.

Note: In case of equivalent degree, the student is required to submit equivalence certificate w.r.t his/her qualifying degree from Association of Indian University/concerned National Council in case of Architecture/Town planning.

10. AVAILABLE RESEARCH AREAS IN VARIOUS DEPARTMENTS

Table 2. Research Areas offered in various Departments for admission in Ph. D.

FULL TIME WITH INSTITUTE ASSISTANTSHIP		
Department/Centres	Tentative Research Area of proposed Ph.D.	Faculty member Name
ARCHITECTURE AND PLANNING	Smart cities & sustainable urban infrastructure	DR. NIRUTI GUPTA
ARCHITECTURE AND PLANNING	Housing, Affordability & Quality of life	DR. NIRUTI GUPTA
ARCHITECTURE AND PLANNING	Building Envelope Design for User's Comfort	DR. GIREENDRA KUMAR
ARCHITECTURE AND PLANNING	Building Development Regulation for Sustainable Design	DR. GIREENDRA KUMAR
ARCHITECTURE AND PLANNING	Urban transport planning and engineering	DR. YASH KUMAR MITTAL
ARCHITECTURE AND PLANNING	Urban infrastructure and construction project management	DR. YASH KUMAR MITTAL
ARCHITECTURE AND PLANNING	Universal Accessibility Principles in Planning and Design	DR. TARUSH CHANDRA
ARCHITECTURE AND PLANNING	Materials / Practices for Sustainable Planning and Design	DR. TARUSH CHANDRA
CENTRE FOR ENERGY AND ENVIRONMENT	Biomass to Bioenergy	DR. VIVEKANAND
CENTRE FOR ENERGY AND ENVIRONMENT	Anaerobic digestion	DR. VIVEKANAND
CENTRE FOR ENERGY AND ENVIRONMENT	Industrial Application of Solar PV	DR. SUNANDA SINHA
CENTRE FOR ENERGY AND ENVIRONMENT	Sustainability using Renewable Energy	DR. SUNANDA SINHA
CENTRE FOR ENERGY AND ENVIRONMENT	Annual electrical power generation analysis of building integrated solar photovoltaic panel	DR. AMARTYA CHOWDHURY
CENTRE FOR ENERGY AND ENVIRONMENT	Towards net zero energy building with solar panel	DR. AMARTYA CHOWDHURY
CENTRE FOR ENERGY AND ENVIRONMENT	Battery energy storage	DR. KAPIL PAREEK
CENTRE FOR ENERGY AND ENVIRONMENT	Hydrogen transportation	DR. KAPIL PAREEK
CENTRE FOR ENERGY AND ENVIRONMENT	Integrating renewable energy in smart grid systems	DR. PARUL MATHURIA
CENTRE FOR ENERGY AND ENVIRONMENT	Net-zero electricity sector	DR. PARUL MATHURIA
CHEMICAL ENGINEERING	Industrial Solvent Recovery by Distillation in Microchannels	DR. U K ARUN KUMAR
CHEMICAL ENGINEERING	Carbon dioxide Capture by Gas Absorption and Conversion into Useful Products	DR. U K ARUN KUMAR

CHEMICAL ENGINEERING	Development of Band Engineered Photocatalysts: Application Prospective in Energy and Environment	DR. SUBBARAMAIAH V
CHEMICAL ENGINEERING	Valorization of glycerol to value-added oxygenated fuel additives.	DR. SUBBARAMAIAH V
CHEMICAL ENGINEERING	Development of green catalysts for selective synthesis of glycerol monolaurate: Application in surgical implants	DR. VIJAYALAKSHMI GOSU
CHEMICAL ENGINEERING	Development of visible-light-induced mesoporous nano heterojunctions for the treatment of textile wastewater	DR. VIJAYALAKSHMI GOSU
CHEMICAL ENGINEERING	Greywater treatment by ultrafiltration membrane made of waste materials	DR. RAJEEV KUMAR DOHARE
CHEMICAL ENGINEERING	Simulation and Control study of Reactive divided wall distillation	DR. RAJEEV KUMAR DOHARE
CHEMICAL ENGINEERING	Development of high-performing fuel cell components: Experimental and Simulation Approach	DR. HRUSHIKESH MADHUSUDAN GADE
CHEMICAL ENGINEERING	Developing an AI-assisted machine learning-based models for understanding and predicting the behavior at molecular scale.	DR. HRUSHIKESH MADHUSUDAN GADE
CHEMICAL ENGINEERING	Design and development of battery materials	DR. NEETU KUMARI
CHEMICAL ENGINEERING	Co-electrolysis/water electrolysis in solid oxide cell	DR. NEETU KUMARI
CHEMICAL ENGINEERING	Extraction/synthesis of materials for water and waste water treatment	DR. MADHU AGARWAL
CHEMICAL ENGINEERING	Study on fouling of membranes used in water and waste water treatments	DR. MADHU AGARWAL
CHEMICAL ENGINEERING	Application of machine learning in chemical engineering	DR. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Co-pyrolysis of plastic/biomass waste to valuable chemicals	DR. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Utilization of marble waste to produce value added products	DR. DIPALOY DATTA
CHEMICAL ENGINEERING	Conversion of rubber waste into value added products	DR. DIPALOY DATTA
CHEMICAL ENGINEERING	Antifoulant membrane for wastewater treatment in membrane bioreactor	DR. MD. OAYES MIDDA
CHEMICAL ENGINEERING	Nanocomposite membranes for industrial gas separation applications	DR. MD. OAYES MIDDA
CHEMICAL ENGINEERING	Manufacture of glass using wastes from marble processing and common salt producing plants	DR. SUSHANTA KUMAR JANA
CHEMICAL ENGINEERING	. Synthesis of valuable products using marble processing slurry	DR. SUSHANTA KUMAR JANA
CHEMICAL ENGINEERING	Utilization of Agro residues for Energy extraction & production of value-added products	DR. MANISH VASHISHTHA
CHEMICAL ENGINEERING	Studies on properties and applications of nanostructured tin oxide	DR. MANISH VASHISHTHA

CHEMICAL ENGINEERING	Fabrication of low cost solar cells	DR. SURAJIT GHOSH
CHEMICAL ENGINEERING	Synthesis and Applications of functional nanomaterials	DR. SURAJIT GHOSH
CHEMICAL ENGINEERING	Wastewater Treatment using Hybrid Techniques	DR. VIKAS KUMAR SANGAL
CHEMICAL ENGINEERING	Modelling& Simulation of complex distillation columns such as Dividing wall column	DR. VIKAS KUMAR SANGAL
CHEMICAL ENGINEERING	Development of novel catalytic material for CO ₂ Capture and Conversion: Experimental and Theoretical study	DR. SONAL
CHEMICAL ENGINEERING	Design and synthesis of novel catalytic material for conversion of gas to liquid fuel.	DR. SONAL
CHEMICAL ENGINEERING	Reactive adsorption of an Emerging Contaminants	DR. RAJ KUMAR VYAS
CHEMICAL ENGINEERING	Heterogeneous catalysis for Treatment of Bio-refractory Compounds using a Low-cost Green Catalyst	DR. RAJ KUMAR VYAS
CHEMICAL ENGINEERING	CO ₂ Conversion to Fuels using Advanced Materials	DR. LOVJEET SINGH
CHEMICAL ENGINEERING	Conversion of Electronic Waste into Advanced Nanomaterials	DR. LOVJEET SINGH
CHEMICAL ENGINEERING	Water and Wastewater Treatment, reuse and recycling	DR. VIRENDRA KUMAR SAHARAN
CHEMICAL ENGINEERING	Extraction of bioactive components	DR. VIRENDRA KUMAR SAHARAN
CHEMICAL ENGINEERING	Modelling and Simulation of Process Systems	DR. KAILASH SINGH
CHEMICAL ENGINEERING	Process Intensified techniques for extraction of essential oils	DR. SUJA GEORGE
CHEMICAL ENGINEERING	Process Intensified techniques for synthesis of nanomaterials	DR. SUJA GEORGE
CHEMISTRY	Functionalized nanoporous materials for waste water remediation	DR. PAWAN REKHA
CHEMISTRY	Environmentally-friendly nanomaterials for water purification	DR. MANVIRI RANI
CHEMISTRY	Green nanomaterials for sensing applications	DR. MANVIRI RANI
CHEMISTRY	Spectroscopic investigation of very weak chalcogen centered hydrogen bonds	DR. BIMAN BANDYOPADHYAY
CHEMISTRY	Iron based materials for Water Remediation applications	DR. MUKESH JAIN
CHEMISTRY	Magnetic (Fe ₃ O ₄) based materials. Synthesis and Applications.	DR. MUKESH JAIN
CHEMISTRY	Chemistry of Solar Energy harvesting	DR. ABBAS RAJA NAZIRUDDIN
CHEMISTRY	Nanoscience for Solar Energy and Green Hydrogen	DR. ABBAS RAJA NAZIRUDDIN
CHEMISTRY	Designing the Chiral Carbohydrate Scaffolds of Medicinal Importance (Covid-Probe).	DR. SUDHIR KASHYAP
CHEMISTRY	Studying & Understanding the Photo-Organic Reaction Mechanism (Hit-Run-Trap)	DR. SUDHIR KASHYAP

CIVIL ENGINEERING	Climate change analysis with remote sensing and GIS applications	DR. SUMIT KHANDELWAL
CIVIL ENGINEERING	Effect of different parameters on a city's environment	DR. SUMIT KHANDELWAL
CIVIL ENGINEERING	Recycled waste material as a replacement in Cement production & Mathematical Model Development	DR. P V RAMANA
CIVIL ENGINEERING	Development of recycled concrete using waste material through Artificial Intelligence	DR. P V RAMANA
CIVIL ENGINEERING	Legacy waste in urban areas	DR. AMIT KUMAR
CIVIL ENGINEERING	Municipal waste management	DR. AMIT KUMAR
CIVIL ENGINEERING	Performance Evaluation of Buildings situated in hilly regions.	DR. ANOOP IRANNA SHIRKOL
CIVIL ENGINEERING	Seismic analysis of structures equipped with hybrid systems	DR. ANOOP IRANNA SHIRKOL
CIVIL ENGINEERING	Machine learning applications for air quality prediction	DR. RUCHI SHARMA
CIVIL ENGINEERING	Air pollution assessment and control	DR. RUCHI SHARMA
CIVIL ENGINEERING	MACHINE LEARNING APPLICATIONS FOR Environmental Management	DR. SUDHIR KUMAR
CIVIL ENGINEERING	Health Risk Assessment due to Air Pollution	DR. SUDHIR KUMAR
CIVIL ENGINEERING	Environmental impacts for river sand mining	DR. AJAY SINGH JETHOO
CIVIL ENGINEERING	Remote Sensing and GIS Applications in Water Resources and Environment	DR. MAHESH KUMAR JAT
CIVIL ENGINEERING	Land use land cover change modelling and impact on climate	DR. MAHESH KUMAR JAT
CIVIL ENGINEERING	Evaluation of structural response of concrete slab on grade	DR. RAMESHWAR JAGANNATH VISHWAKARMA
CIVIL ENGINEERING	Investigation on properties of preplaced aggregate concrete	DR. RAMESHWAR JAGANNATH VISHWAKARMA
CIVIL ENGINEERING	Utilization of Bio/Agro Waste for Sustainable Building Materials	DR. SANDEEP SHRIVASTAVA
CIVIL ENGINEERING	Utilization of Waste materials for Light weight Sustainable Building Materials	DR. SANDEEP SHRIVASTAVA
CIVIL ENGINEERING	Planning of Water Resources with emphasis on Hydrologic Extremes and Climate Change	DR. HIMANSHU ARORA
CIVIL ENGINEERING	Unsaturated zone flow modelling and agricultural planning.	DR. HIMANSHU ARORA
CIVIL ENGINEERING	Dynamic Behaviour of Critical Structures considering Soil-Structure Interaction	DR. DHIRAJ RAJ
CIVIL ENGINEERING	Seismic Risk Evaluation of Structures in Hilly Areas	DR. DHIRAJ RAJ
CIVIL ENGINEERING	Computational Modelling of Surface Water Flow	DR. MANOJ KUMAR DIWAKAR
CIVIL ENGINEERING	Modelling of Fluvial Systems & Riverine Processes	DR. MANOJ KUMAR DIWAKAR
CIVIL ENGINEERING	Road Safety Audit	DR. JINENDRA KUMAR JAIN

CIVIL ENGINEERING	Climate Smart agriculture	DR. MAHENDER CHOUDHARY
CIVIL ENGINEERING	Water Security under Changing Climate	DR. MAHENDER CHOUDHARY
CIVIL ENGINEERING	Textile wastewater treatment using AOP	DR. URMILA BRIGHU
CIVIL ENGINEERING	Rural Sanitation	DR. URMILA BRIGHU
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COMPUTER SCIENCE AND ENGINEERING	Open World Machine Learning for Dialog based Systems	DR. SATYENDRA SINGH CHOUHAN
COMPUTER SCIENCE AND ENGINEERING	Deep Learning for image processing, Machine learning for smart farming, Deep learning for lung cancer detection, Nature inspired optimization for pattern recognition	DR. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Machine-learning based security solutions for IoT and VANET	DR. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Federated Learning for IoT and VANET applications	DR. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Natural Language Processing	DR. YOGESH KUMAR MEENA
COMPUTER SCIENCE AND ENGINEERING	Machine Learning	DR. YOGESH KUMAR MEENA
COMPUTER SCIENCE AND ENGINEERING	Machine Learning, AI, Deep learning, Computer Vision	DR. NEETA NAIN
COMPUTER SCIENCE AND ENGINEERING	Image Processing, Object detection, Face recognition, Video Analytics	DR. NEETA NAIN
COMPUTER SCIENCE AND ENGINEERING	Machine Learning with Graphs	DR. MAHIPAL PRITHVISINH JADEJA
COMPUTER SCIENCE AND ENGINEERING	Social Network Analysis using Graph Neural Networks (GNNs)	DR. MAHIPAL PRITHVISINH JADEJA
COMPUTER SCIENCE AND ENGINEERING	Deep Learning for Computer Vision and Explainable AI/ML/DL	DR. DEEPAK RANJAN NAYAK
COMPUTER SCIENCE AND ENGINEERING	Biomedical Image Analysis and Classification using Robust Machine/Deep learning	DR. DEEPAK RANJAN NAYAK
COMPUTER SCIENCE AND ENGINEERING	Artificial Intelligence for cyber-security	DR. SMITA NAVAL
COMPUTER SCIENCE AND ENGINEERING	Ransomware analysis and classification	DR. SMITA NAVAL
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COMPUTER SCIENCE AND ENGINEERING	Integration of Blockchain and Federated Learning for privacy and security	DR. DINESH KUMAR TYAGI
COMPUTER SCIENCE AND ENGINEERING	Blockchain and IoT Convergence	DR. DINESH GOPALANI
COMPUTER SCIENCE AND ENGINEERING	A Computational Framework for Emotion Analysis in Text	DR. DINESH GOPALANI
COMPUTER SCIENCE AND ENGINEERING	AI for Cybersecurity	DR. VIJAY LAXMI

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ELECTRICAL ENGINEERING	Performance analysis of distribution networks integrated with renewables and storage	DR. KUSUM VERMA
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ELECTRICAL ENGINEERING	Nonlinear systems	DR. NEELI SATYANARAYANA
ELECTRICAL ENGINEERING	Optimal Operation of smart energy systems, Distribution system optimization	DR. KHALEEQR REHMAN NIAZI
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ELECTRONICS AND COMMUNICATION ENGINEERING	Biomedical signal processing	DR. AMIT MAHESH JOSHI
ELECTRONICS AND COMMUNICATION ENGINEERING	Signal Processing	DR. KAMALESH KUMAR SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Antenna design for 5G and future applications	DR. KAMALESH KUMAR SHARMA
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MANAGEMENT STUDIES	Lean Sustainability	DR. MONICA SHARMA
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MATERIAL RESEARCH CENTER	In-situ Synthesis of TiC-Ti ₃ SiC ₂ super hard and tough Nanocomposite for Cutting Tool Applications and Its Evaluation	DR. NISHA VERMA
MATERIAL RESEARCH CENTER	2D MXene-based materials for energy storage applications	DR. NISHA VERMA
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MECHANICAL ENGINEERING	Tribological performance of nano-structured wear-resistant composite coatings	DR. MUKESH KUMAR
MECHANICAL ENGINEERING	Phase Field Modelling and analysis to investigate fracture and failure of composite.	DR. DINESH KUMAR
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MECHANICAL ENGINEERING	Tribological behaviour of metal /polymer based composite	DR. ANOJ MEENA
MECHANICAL ENGINEERING	Industry 4.0	DR. MURARI LAL MITTAL
MECHANICAL ENGINEERING	Intelligent systems for circular economy	DR. MURARI LAL MITTAL
MECHANICAL ENGINEERING	Industry 4.0 Enabled Sustainable Manufacturing	DR. RAJEEV AGRAWAL
MECHANICAL ENGINEERING	Integrating circular economy and Industry 4.0 for sustainable supply chain	DR. RAJEEV AGRAWAL
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MECHANICAL ENGINEERING	Compact heat sinks for electronic heat dissipation	DR. AMIT ARORA
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MECHANICAL ENGINEERING	Design of Ergonomics interventions for performance enhancement in carpet industries	DR. MAKKHAN LAL MEENA

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MECHANICAL ENGINEERING	Network Reliability	DR. A. P. S. RATHORE
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MECHANICAL ENGINEERING	Data Driven Supply Chains	DR. GUNJAN SONI
MECHANICAL ENGINEERING	Predictive Analytics for Engineering Systems	DR. GUNJAN SONI
METALLURGICAL AND MATERIALS ENGINEERING	Joining of dissimilar metals	DR. JYOTIRMAYA KAR
METALLURGICAL AND MATERIALS ENGINEERING	Reduction kinetics of iron - carbon composite pellets	DR. JYOTIRMAYA KAR
METALLURGICAL AND MATERIALS ENGINEERING	Development of high-performance aluminium alloy	DR. AJAYA KUMAR PRADHAN
METALLURGICAL AND MATERIALS ENGINEERING	To study the effect of microstructure on mechanical performance of a Q & P TRIP/dual phase steel.	DR. RAJESH KUMAR RAI
METALLURGICAL AND MATERIALS ENGINEERING	Development of a high entropy alloy for the aerospace application.	DR. RAJESH KUMAR RAI
METALLURGICAL AND MATERIALS ENGINEERING	Development of high strength materials through severe plastic deformation techniques	DR. ABHISHEK TRIPATHI
METALLURGICAL AND MATERIALS ENGINEERING	Al-Li composites for clean energy applications	DR. SREEKUMAR VADAKKE MADAM
METALLURGICAL AND MATERIALS ENGINEERING	Development of hightoughness Aluminium composites	DR. SREEKUMAR VADAKKE MADAM
METALLURGICAL AND MATERIALS ENGINEERING	Processing of Semiconductors	DR. KUNAL JAYPRAKASH BORSE
METALLURGICAL AND MATERIALS ENGINEERING	Thin film solar cells	DR. KUNAL JAYPRAKASH BORSE
METALLURGICAL AND MATERIALS ENGINEERING	Synthesis of Ti based High Entropy Alloys	DR. VIJAY NAVARATNA NADAKUDURU
METALLURGICAL AND MATERIALS ENGINEERING	Synthesis and Characterization of Carbon Reinforced composite with different fibres for Aerospace Applications	DR. KRISHNA KUMAR
METALLURGICAL AND MATERIALS ENGINEERING	Synthesis and Characterization of advanced Core Catcher Materials for Nuclear Applications	DR. KRISHNA KUMAR
METALLURGICAL AND MATERIALS ENGINEERING	Characterization of High entropy alloys	DR. RANDHIR KUMAR SINGH

METALLURGICAL AND MATERIALS ENGINEERING	Study on dissimilar weld metals	DR. RANDHIR KUMAR SINGH
PHYSICS	Gel Polymer Electrolytes for high energy electrochemical energy storage devices	DR. RAJNISH DHIMAN
PHYSICS	Electrode/electrolyte materials for rechargeable metal ion batteries	DR. RAJNISH DHIMAN
PHYSICS	Novel Electrode Materials for All Solid State Li-ion Batteries (ASSLIBs)	DR. DEBASISH SARKAR
PHYSICS	Carbon based Electrodes for Li-ion Supercapacitors	DR. DEBASISH SARKAR
PHYSICS	Functional nanomaterials based flexible gas sensors	DR. KAMLENDRA AWASTHI
PHYSICS	Conducting polymer-based supercapacitor	DR. KAMLENDRA AWASTHI
PHYSICS	Study of Topological Semi-metals for Quantum Technologies	DR. MANOJ KUMAR
PHYSICS	Electrochemical Sensors for Environmental Monitoring	DR. MANOJ KUMAR
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PHYSICS	Two-dimensional van der Waals Materials	DR. ANIRBAN DUTTA
PHYSICS	Physics Beyond the Standard Model	DR. KAVITA LALWANI
PHYSICS	Charm Physics at Belle II	DR. KAVITA LALWANI
PHYSICS	Graphene Oxide Based Nanocomposites	DR. RAHUL SINGHAL
PHYSICS	Ion irradiation studies of Au/r-GO Nanocomposite thin films	DR. RAHUL SINGHAL
PHYSICS	Anode for Na ion battery	DR. KANUPRIYA SACHDEV
PHYSICS	Development of Carbon based anode for energy storage	DR. KANUPRIYA SACHDEV
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	Earthquake Design of Structures	DR. S. D. BHARTI
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	Earthquake Testing of Structures	DR. S. D. BHARTI
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	Earthquake Resistance Design of Structures	DR. M. K. SHRIMALI
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	Earthquake Testing of Structures	DR. M. K. SHRIMALI

FULL TIME SPONSORED/OFF CAMPUS/PART TIME (INSTITUTE FACULTY, INSTITUTE STAFF, EXECUTIVE/PROFESSIONAL)		
Department/Centres	Tentative Research Area of proposed Ph.D	Faculty member Name
ARCHITECTURE AND PLANNING	Sustainable development and building regulations	DR. ASHWANI KUMAR
ARCHITECTURE AND PLANNING	Traditional and vernacular architecture	DR. ASHWANI KUMAR

ARCHITECTURE AND PLANNING	Smart cities & sustainable urban infrastructure	DR. NIRUTI GUPTA
ARCHITECTURE AND PLANNING	Housing, Affordability & Quality of life	DR. NIRUTI GUPTA
ARCHITECTURE AND PLANNING	Urban Design for Architectural Design Appreciation	DR. GIREENDRA KUMAR
ARCHITECTURE AND PLANNING	Urban Heat Mitigation and Strategies	DR. GIREENDRA KUMAR
ARCHITECTURE AND PLANNING	Planning and management for disaster resilience	DR. YASH KUMAR MITTAL
ARCHITECTURE AND PLANNING	Urban transport planning and engineering	DR. YASH KUMAR MITTAL
ARCHITECTURE AND PLANNING	Sustainable built environment	DR. BHAVNA SHRIVASTAVA
ARCHITECTURE AND PLANNING	Traditional construction knowledge system with contemporary world	DR. BHAVNA SHRIVASTAVA
ARCHITECTURE AND PLANNING	Universal Accessibility Principles in Planning and Design	DR. TARUSH CHANDRA
ARCHITECTURE AND PLANNING	Materials / Practices for Energy Efficiency in Planning and Design	DR. TARUSH CHANDRA
CENTRE FOR ENERGY AND ENVIRONMENT	Biomass to Bioenergy	DR. VIVEKANAND
CENTRE FOR ENERGY AND ENVIRONMENT	Anaerobic digestion	DR. VIVEKANAND
CENTRE FOR ENERGY AND ENVIRONMENT	Hydrogen transportation	DR. KAPIL PAREEK
CENTRE FOR ENERGY AND ENVIRONMENT	Energy storage	DR. KAPIL PAREEK
CHEMICAL ENGINEERING	Design and Development of Natural Wastewater Treatment System through Constructed Wetlands	DR. U K ARUN KUMAR
CHEMICAL ENGINEERING	Design and Development for the Uniform Distribution Method of Two Phase Flow in Multiple Microchannels	DR. U K ARUN KUMAR
CHEMICAL ENGINEERING	Microplastics in the Environment: Occurrence, Fate, Toxicity, Removal, and Management	DR. SUBBARAMAIAH V
CHEMICAL ENGINEERING	Development of Hydrophobic Coating for Ultrafine Ammonium Perchlorate for enhanced Shelf Life and Improved Safety	DR. SUBBARAMAIAH V

CHEMICAL ENGINEERING	Development of Band Engineered Photocatalysts: Application Prospective in Energy	DR. VIJAYALAKSHMI GOSU
CHEMICAL ENGINEERING	Development of Hydrophobic Coating for Solid propellants	DR. VIJAYALAKSHMI GOSU
CHEMICAL ENGINEERING	Treatment of greywater by composite natural adsorbent.	DR. RAJEEV KUMAR DOHARE
CHEMICAL ENGINEERING	Process intensification and Control	DR. RAJEEV KUMAR DOHARE
CHEMICAL ENGINEERING	Molecular dynamics investigations for polymer-based novel materials development using self-assembly approach.	DR. HRUSHIKESH MADHUSUDAN GADE
CHEMICAL ENGINEERING	Developer of materials or energy storage	DR. MADHU AGARWAL
CHEMICAL ENGINEERING	Value added products from waste	DR. MADHU AGARWAL
CHEMICAL ENGINEERING	Use of advanced technologies for wastewater treatment	DR. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Production of bio-ethanol from different sources	DR. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Application of Artificial Intelligence in the Wastewater Treatment and Monitoring	DR. DIPALOY DATTA
CHEMICAL ENGINEERING	Separation of bioactive compounds using extraction	DR. DIPALOY DATTA
CHEMICAL ENGINEERING	Antifoulant membrane for wastewater treatment in membrane bioreactor	DR. MD. OAYES MIDDA
CHEMICAL ENGINEERING	Water recovery from hydrolyzed human urine samples using membrane distillation	DR. MD. OAYES MIDDA
CHEMICAL ENGINEERING	Integrated Energy Management	DR. MANISH VASHISHTHA
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CHEMICAL ENGINEERING	AI-Enabled Detection and Prevention of Water Contamination	DR. SURAJIT GHOSH

CHEMICAL ENGINEERING	Emerging Contaminants in Water and Their Removal Technologies	DR. SURAJIT GHOSH
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CHEMICAL ENGINEERING	Process Intensified Techniques for synthesis of nanomaterials	DR. SUJA GEORGE
CIVIL ENGINEERING	Waste material utilization in diverse structural elements & Mathematical Model Development	DR. P V RAMANA
CIVIL ENGINEERING	A mathematical optimization model for the recycled reinforced concrete structural elements characterization	DR. P V RAMANA
CIVIL ENGINEERING	legacy waste in urban areas	DR. AMIT KUMAR
CIVIL ENGINEERING	municipal waste management	DR. AMIT KUMAR
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CIVIL ENGINEERING	Seismic analysis of structures equipped with hybrid systems	DR. ANOOP IRANNA SHIRKOL
CIVIL ENGINEERING	Modeling of integrated urban drainage system	DR. AJAY SINGH JETHOO
CIVIL ENGINEERING	Natural hazard risk assessment using GIS	DR. MAHESH KUMAR JAT

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CIVIL ENGINEERING	Investigation on properties of preplaced aggregate concrete	DR. RAMESHWAR JAGANNATH VISHWAKARMA
CIVIL ENGINEERING	Ground Improvement methods with the application of Alternate Materials	DR. NEHA SHRIVASTAVA
CIVIL ENGINEERING	Experimental/ Mathematical Modeling of Geosynthetics reinforced Earth Structures	DR. NEHA SHRIVASTAVA
CIVIL ENGINEERING	Utilization of Waste materials for Sustainable Bricks	DR. SANDEEP SHRIVASTAVA
CIVIL ENGINEERING	Utilization of Waste materials for Lightweight Cement Composites	DR. SANDEEP SHRIVASTAVA
CIVIL ENGINEERING	Assessment of Hydrology and water resources under climate change employing soft computing techniques.	DR. HIMANSHU ARORA
CIVIL ENGINEERING	Numerical modelling and optimization for planning of groundwater resources.	DR. HIMANSHU ARORA
CIVIL ENGINEERING	Computational Modelling of Surface Water Flow	DR. MANOJ KUMAR DIWAKAR
CIVIL ENGINEERING	Modelling of Fluvial Systems & Riverine Processes	DR. MANOJ KUMAR DIWAKAR
CIVIL ENGINEERING	Soil stabilization using waste materials	DR. SURESH KUMAR TIWARI
CIVIL ENGINEERING	Ground improvement techniques	DR. SURESH KUMAR TIWARI
CIVIL ENGINEERING	Transportation Planning	DR. JINENDRA KUMAR JAIN
CIVIL ENGINEERING	Impact of Climate Change on Water Resources	DR. MAHENDER CHOUDHARY
CIVIL ENGINEERING	Global warming and natural disasters	DR. MAHENDER CHOUDHARY
CIVIL ENGINEERING	Rural Sanitation	DR. URMILA BRIGHU
COMPUTER SCIENCE AND ENGINEERING	Application of Deep Learning for Cyber Security Analysis	DR. SATYENDRA SINGH CHOUHAN
COMPUTER SCIENCE AND ENGINEERING	Distributed Machine Learning	DR. SATYENDRA SINGH CHOUHAN

COMPUTER SCIENCE AND ENGINEERING	Deep Learning for image processing, Machine learning for smart farming, Deep learning for lung cancer detection, Nature inspired optimization for pattern recognition	DR. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Natural Language Processing	DR. YOGESH KUMAR MEENA
COMPUTER SCIENCE AND ENGINEERING	Machine Learning	DR. YOGESH KUMAR MEENA
COMPUTER SCIENCE AND ENGINEERING	Machine learning, AI, Deep learning, Computer Vision, Natural Language Processing	DR. NEETA NAIN
COMPUTER SCIENCE AND ENGINEERING	Biometrics, face, Footprint, palmprint, AI, ML	DR. NEETA NAIN
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ELECTRICAL ENGINEERING	Smart Grid operations	DR. ROHIT BHAKAR
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ELECTRICAL ENGINEERING	Application of Machine Learning in optimizing renewable energy systems	DR. RAVITA LAMBA
ELECTRICAL ENGINEERING	DERs enabled smart grid, Electric vehicles integration in power system	DR. DIPTI SAXENA
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ELECTRICAL ENGINEERING	Electrical Vehicle	DR. MAN MOHAN GARG
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ELECTRONICS AND COMMUNICATION	MEMS	DR. LAVA BHARGAVA

ENGINEERING		
HUMANITIES AND SOCIAL SCIENCE	CALL/MALL in English Language Teaching	DR. NIRAJA SARASWAT
HUMANITIES AND SOCIAL SCIENCE	Language and Culture	DR. NIRAJA SARASWAT
HUMANITIES AND SOCIAL SCIENCE	Indian Political Institutions, Judiciary, Politics in North East India. Politics of Secessionism in Different parts of India.	DR. VIBHUTI SINGH SHEKHAWAT
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HUMANITIES AND SOCIAL SCIENCE	Development Economics, Rural Development, Higher Education, Technology Diffusion	DR. MANJU SINGH
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MANAGEMENT STUDIES	Sustainable Supply Chain Management	DR. MONICA SHARMA
MANAGEMENT STUDIES	Lean Sustainability	DR. MONICA SHARMA
MATERIAL RESEARCH CENTER	In-situ Synthesis of TiC-Ti ₃ SiC ₂ super hard and tough Nanocomposite for Cutting Tool Applications and Its Evaluation	DR. NISHA VERMA
MATERIAL RESEARCH CENTER	2D MXene-based materials for energy storage applications	DR. NISHA VERMA
MECHANICAL ENGINEERING	Mechanical and Wear performance of composites	DR. MUKESH KUMAR
MECHANICAL ENGINEERING	Mechanical performance evaluation of composites	DR. MUKESH KUMAR
MECHANICAL ENGINEERING	Design and development of green composite	DR. PANKAJ KUMAR GUPTA
MECHANICAL ENGINEERING	Newer fabrication process	DR. PANKAJ KUMAR GUPTA
MECHANICAL ENGINEERING	Vibration based fault diagnosis	DR. NARESH KUMAR RAGHUWANSHI

MECHANICAL ENGINEERING	Welding of dissimilar materials	DR. TAPAS BAJPAI
MECHANICAL ENGINEERING	Welding of dissimilar materials	DR. TAPAS BAJPAI
MECHANICAL ENGINEERING	Boiling heat Transfer	DR. MANJINDER SINGH
MECHANICAL ENGINEERING	Semi-permeable crack analysis in piezoelectric materials by XFEM	DR. GULAB PAMNANI
MECHANICAL ENGINEERING	Mechanical and Thermal characterization of metal based composite material.	DR. ANOJ MEENA
MECHANICAL ENGINEERING	Tribological behaviour of metal /polymer based composite	DR. ANOJ MEENA
MECHANICAL ENGINEERING	Sustainable Supply chain Disruption using Simulation	DR. RAJEEV AGRAWAL
MECHANICAL ENGINEERING	Integrating Lean Practices with Industry 4.0 Technology	DR. RAJEEV AGRAWAL
MECHANICAL ENGINEERING	Heat transfer enhancement – Single phase fluids, nano fluids, phase change	DR. AMIT ARORA
MECHANICAL ENGINEERING	Compact heat sinks for electronic heat dissipation	DR. AMIT ARORA
MECHANICAL ENGINEERING	Ergonomics intervention and design of hand tools in SMEs	DR. MAKKHAN LAL MEENA
MECHANICAL ENGINEERING	Development, study and simulation of tunnel type Green House Solar Dryer for industrial uses	DR. G. D. AGARWAL
MECHANICAL ENGINEERING	Supply Chain Coordination with Industry 4.0 Technologies	DR. GUNJAN SONI
MECHANICAL ENGINEERING	Circular Supply Chain	DR. GUNJAN SONI
METALLURGICAL AND MATERIALS ENGINEERING	Resistance spot welding of dissimilar metals	DR. JYOTIRMAYA KAR
METALLURGICAL AND MATERIALS ENGINEERING	Micro- structural characterization and Mechanical property evaluation of an additively manufactured Al- alloy.	DR. RAJESH KUMAR RAI
METALLURGICAL AND MATERIALS ENGINEERING	Processing of Semiconductors	DR. KUNAL JAYPRAKASH BORSE
METALLURGICAL AND MATERIALS ENGINEERING	Thin film solar cells	DR. KUNAL JAYPRAKASH BORSE
METALLURGICAL AND MATERIALS ENGINEERING	Synthesis of iron based cutting tools via powder metallurgical route	DR. VIJAY NAVARATNA NADAKUDURU

PHYSICS	Nano-structured Materials for Super capacitors and Li-ion Batteries	DR. MANOJ KUMAR
PHYSICS	Study of Quantum Materials for Spintronic Devices	DR. MANOJ KUMAR
PHYSICS	X-ray absorption studies of Nanocomposite Thin Films	DR. RAHUL SINGHAL
PHYSICS	Small angle X-ray Scattering studies of Graphene Oxide Based nanocomposites	DR. RAHUL SINGHAL
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	Seismic Design of Structures	DR. M. K. SHRIMALI
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	Earthquake analysis of Structures	DR. M. K. SHRIMALI

FULL TIME WITH OWN SCHOLARSHIP (NET JRF/CSIR JRF ETC..)		
Department/Centres	Tentative Research Area of proposed Ph.D	Faculty member Name
CENTRE FOR ENERGY AND ENVIRONMENT	Biomass to Bioenergy	DR. VIVEKANAND
CENTRE FOR ENERGY AND ENVIRONMENT	Anaerobic digestion	DR. VIVEKANAND
CENTRE FOR ENERGY AND ENVIRONMENT	Sustainability using Renewable Energy	DR. SUNANDA SINHA
CENTRE FOR ENERGY AND ENVIRONMENT	Industrial Application of Solar PV	DR. SUNANDA SINHA
CENTRE FOR ENERGY AND ENVIRONMENT	Annual electrical power generation analysis of building integrated solar photovoltaic panel	DR. AMARTYA CHOWDHURY
CENTRE FOR ENERGY AND ENVIRONMENT	Towards net zero energy building with solar panel	DR. AMARTYA CHOWDHURY
CHEMICAL ENGINEERING	Solid Waste processing and management	DR. MADHU AGARWAL
CHEMICAL ENGINEERING	Development of gas separation membranes	DR. MADHU AGARWAL
CHEMICAL ENGINEERING	Experimental and simulation studies using reactive distillation	DR. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Wastewater Treatment	DR. VIKAS KUMAR SANGAL
CHEMICAL ENGINEERING	Nanocatalysts& its application for wastewater treatment	DR. VIKAS KUMAR SANGAL
CHEMICAL ENGINEERING	CO ₂ Conversion to Fuels using Advanced Materials	DR. LOVJEET SINGH
CHEMICAL ENGINEERING	Conversion of Electronic Waste into Advanced Nanomaterials	DR. LOVJEET SINGH

CHEMICAL ENGINEERING	Advanced Oxidation Processes	DR. VIRENDRA KUMAR SAHARAN
CHEMICAL ENGINEERING	Catalytic synthesis	DR. VIRENDRA KUMAR SAHARAN
CHEMICAL ENGINEERING	Process Intensified techniques for extraction of essential oils	DR. SUJA GEORGE
CHEMICAL ENGINEERING	Process Intensified Techniques for synthesis of nanomaterials	DR. SUJA GEORGE
CHEMISTRY	Heterogeneous catalysis in chemistry: A computational study	DR. PRADEEP KUMAR
CHEMISTRY	Modelling the Multireference chemical reactions	DR. PRADEEP KUMAR
CHEMISTRY	Acid base bifunctional nanoporous hybrid catalyst for chemical fixation of CO ₂	DR. PAWAN REKHA
CHEMISTRY	Transition metal based phosphonates for energy and environmental applications	DR. PAWAN REKHA
CHEMISTRY	Transition metal oxide-based nanomaterials for energy and environmental applications	DR. SUMANTA KUMAR MEHER
CHEMISTRY	Layered chalcogenide based nanomaterials for sustainable energy and environment	DR. SUMANTA KUMAR MEHER
CHEMISTRY	Green Technology and Heterogeneous Catalysis for Environmental Applications	DR. MANVIRI RANI
CHEMISTRY	Metal-organic frameworks and nanoadsorbents for Energy and Environmental applications	DR. MANVIRI RANI
CHEMISTRY	Application of matrix isolation IR spectroscopy in astrochemistry	DR. BIMAN BANDYOPADHYAY
CHEMISTRY	Green synthesis of nanomaterials for wastewater treatment, Nanocomposites for industrial and environmental applications.	DR. RAGINI GUPTA
CHEMISTRY	Development of sensors for detection of pollutants/adulterants, Eco-friendly synthesis of novel materials for pharma applications	DR. RAGINI GUPTA
CHEMISTRY	Carbon dioxide reduction to valuable fuels by Photoactive Nanocarbons	DR. SUMIT KUMAR SONKAR
CHEMISTRY	Waste derived Nanoparticles for Organic Transformation Reactions	DR. SUMIT KUMAR SONKAR
CHEMISTRY	Nanomaterials in Organic Synthesis	DR. MUKESH JAIN
CHEMISTRY	Nano Materials and Novel Inorganic Systems for Green Hydrogen	DR. ABBAS RAJA NAZIRUDDIN
CHEMISTRY	Organometallic Complexes For Organic-Molecular Catalysis	DR. ABBAS RAJA NAZIRUDDIN
CHEMISTRY	Sugar-Heterocyclic Inspired Organic Molecules for Essential Materials (Nature Knowledge), Perspective of Organocatalysis in Nobel Chemical Transformations (Click-Coupling-Combining).	DR. SUDHIR KASHYAP

CHEMISTRY	Reagent-Tuned Thermodynamic/Kinetic Controlled Glycosylation (Optimistic-Optimization), Developing the Greener Protocols for Important Organic Reactions (Metal-Hassle-Free).	DR. SUDHIR KASHYAP
CHEMISTRY	Development of advanced nanomaterials for water treatment	DR. MEENA NEMIWAL
CHEMISTRY	Synthesis of green adsorbents for sustainable water solution	DR. MEENA NEMIWAL
CIVIL ENGINEERING	Machine learning applications for air quality prediction	DR. RUCHI SHARMA
CIVIL ENGINEERING	Air pollution assessment and control	DR. RUCHI SHARMA
CIVIL ENGINEERING	Assessment of Hydrology and water resources under climate change employing soft computing techniques.	DR. HIMANSHU ARORA
CIVIL ENGINEERING	Projection of Hydrological extreme events employing combined distributions	DR. HIMANSHU ARORA
COMPUTER SCIENCE AND ENGINEERING	Deep Learning for image processing, Machine learning for smart farming, Deep learning for lung cancer detection, Nature inspired optimization for pattern recognition	DR. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Real world applications of IoT using machine learning	DR. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Machine learning based solutions for next generation networks.	DR. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Machine Learning	DR. YOGESH KUMAR MEENA
COMPUTER SCIENCE AND ENGINEERING	Natural Language Processing	DR. YOGESH KUMAR MEENA
COMPUTER SCIENCE AND ENGINEERING	Security and Surveillance	DR. NEETA NAIN
COMPUTER SCIENCE AND ENGINEERING	Biometrics, Face and Multimodal	DR. NEETA NAIN
COMPUTER SCIENCE AND ENGINEERING	Machine Learning with Graphs	DR. MAHIPAL PRITHVISINH JADEJA
COMPUTER SCIENCE AND ENGINEERING	Social Network Analysis using Graph Neural Networks (GNNs)	DR. MAHIPAL PRITHVISINH JADEJA
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ELECTRICAL ENGINEERING	Leveraging AI/ML techniques in power system dynamics	DR. KUSUM VERMA
ELECTRICAL ENGINEERING	Performance analysis of distribution networks integrated with renewables and storage	DR. KUSUM VERMA
ELECTRICAL ENGINEERING	Energy storage in EVs and battery thermal management	DR. RAVITA LAMBA
ELECTRICAL ENGINEERING	Integrating renewable energy systems for net zero energy buildings design	DR. RAVITA LAMBA

ELECTRICAL ENGINEERING	Application of machine learning in Power system and Electric Vehicle	DR. HEMANT KUMAR MEENA
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MANAGEMENT STUDIES	Lean Sustainability	DR. MONICA SHARMA
MATERIAL RESEARCH CENTER	Composite carbon anode material for sodium ion battery	DR. KANUPRIYA SACHDEV
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MATERIAL RESEARCH CENTER	In-situ Synthesis of TiC-Ti ₃ SiC ₂ super hard and tough Nanocomposite for Cutting Tool Applications and Its Evaluation	DR. NISHA VERMA
MATERIAL RESEARCH CENTER	Synthesis of metal-organic gel-nanoparticle hybrid composites for catalysis	DR. BHAGWATI SHARMA
MATHEMATICS	Mathematical modeling and numerical simulation of fluid flows.	DR. OM P. SUTHAR
MATHEMATICS	Computational study of nonlinear differential equations.	DR. OM P. SUTHAR

MATHEMATICS	Computational statistics	DR. PRIYANKA HARJULE
MATHEMATICS	Mathematical Modeling with Differential Equations	DR. KUSHAL SHARMA
MATHEMATICS	Generalized metric spaces and their applications	DR. ANUBHA JINDAL
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MECHANICAL ENGINEERING	Crack simulation in pressure vessel during thermal shock	DR. GULAB PAMNANI
METALLURGICAL AND MATERIALS ENGINEERING	Effect of heat treatment on microstructure and mechanical properties of a additively manufactured Ti-alloy	DR. RAJESH KUMAR RAI
METALLURGICAL AND MATERIALS ENGINEERING	Development of aluminium nanocomposites by external fields	DR. SREEKUMAR VADAKKE MADAM
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PHYSICS	Gel Polymer Electrolytes for high energy electrochemical energy storage devices	DR. RAJNISH DHIMAN
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PHYSICS	Nanostructured Materials for Energy Applications	DR. DEBASISH SARKAR
PHYSICS	Nanomaterials for flexible energy harvesting and storage devices	DR. KAMLENDRA AWASTHI
PHYSICS	Hybrid nanostructures for gas sensing applications	DR. KAMLENDRA AWASTHI
PHYSICS	Topological Superconductivity in Condensed Matter	DR. MANOJ KUMAR
PHYSICS	Study of Electronic Properties of Materials in the Quantum Regime	DR. MANOJ KUMAR
PHYSICS	Nanocomposites for Energy Application	DR. ANIRBAN DUTTA
PHYSICS	Biomass derived Materials for Energy Storage Application	DR. ANIRBAN DUTTA
PHYSICS	Study the GCR environment for Space Applications	DR. KAVITA LALWANI
PHYSICS	Geant4 simulations for High Energy Physics and Space Applications	DR. KAVITA LALWANI
PHYSICS	Reduce Graphene Oxide films with Ag Nanoparticles	DR. RAHUL SINGHAL
PHYSICS	MnO ₂ /CuO/r-GO composite for energy application	DR. RAHUL SINGHAL
PHYSICS	Development of Carbon-based anode for energy storage	DR. KANUPRIYA SACHDEV

FOR PART TIME PH.D.(ONLY FOR RESEARCH PERSONNEL PRESENTLY SERVING IN VARIOUS PROJECTS IN MNIT JAIPUR)

Department/Centres	Tentative Research Area of proposed Ph.D.	Faculty member Name
COMPUTER SCIENCE AND ENGINEERING	Deep Learning for image processing, Machine learning for smart farming, Deep learning for lung cancer detection, Nature inspired optimization for pattern recognition	DR. LAVIKA GOEL
HUMANITIES AND SOCIAL SCIENCE	Indian Political Institutions, Judiciary, Politics in North East India, Politics of Secessionism in Different parts of India.	DR. VIBHUTI SINGH SHEKHAWAT
CENTRE FOR ENERGY AND ENVIRONMENT	Machine learning for energy storage	DR. KAPIL PAREEK
CENTRE FOR ENERGY AND ENVIRONMENT	Solid state battery	DR. KAPIL PAREEK
METALLURGICAL AND MATERIALS ENGINEERING	High entropy alloy: microstructure and properties	DR. RAJESH KUMAR RAI
MATERIAL RESEARCH CENTER	2D MXene-based materials for energy storage applications	DR. NISHA VERMA
MATERIAL RESEARCH CENTER	In-situ Synthesis of TiC-Ti ₃ SiC ₂ super hard and tough Nanocomposite for Cutting Tool Applications and Its Evaluation	DR. NISHA VERMA
MATHEMATICS	Computational statistics	DR. PRIYANKA HARJULE
ELECTRONICS AND COMMUNICATION ENGINEERING	Artificial Intelligence and Nature Inspired Optimization	DR. SATYASAI JAGANNATH NANDA
ELECTRONICS AND COMMUNICATION ENGINEERING	Optimization in Image Processing	DR. SATYASAI JAGANNATH NANDA
CHEMICAL ENGINEERING	Development of Novel Electrocatalyst for the Efficient Conversion of Biomass Derived Syngas to Electrical Power using SOFC Technology	DR. NEETU KUMARI
MECHANICAL ENGINEERING	Artificial intelligence enabled sustainable health care waste management	DR. RAJEEV AGRAWAL
MECHANICAL ENGINEERING	Data analysis and development of block chain architecture for health care waste management	DR. RAJEEV AGRAWAL
ELECTRICAL ENGINEERING	Energy storage for electricity grids	DR. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Power Systems Optimisation	DR. ROHIT BHAKAR
CHEMICAL ENGINEERING	Catalytic studies of pyrolysis processes	DR. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Waste to energy	DR. ROHIDAS GANGARAM BHOI
ARCHITECTURE AND PLANNING	Sustainable construction techniques in rural areas	DR. BHAVNA SHRIVASTAVA
ARCHITECTURE AND PLANNING	Rural housing development projects	DR. BHAVNA SHRIVASTAVA

CENTRE FOR ENERGY AND ENVIRONMENT	Smart Charging for Electric Vehicles	DR. PARUL MATHURIA
CENTRE FOR ENERGY AND ENVIRONMENT	Future of Electric Mobility	DR. PARUL MATHURIA
PHYSICS	CCTO based nanocomposite for EMI Shielding	DR. RAHUL SINGHAL
PHYSICS	Studies of metal-carbon nanocomposite under ion irradiation	DR. RAHUL SINGHAL
ELECTRONICS AND COMMUNICATION ENGINEERING	DRONE TECHNOLOGY	DR. LAVA BHARGAVA
ELECTRONICS AND COMMUNICATION ENGINEERING	EMBEDDED SYSTEMS	DR. LAVA BHARGAVA

11. MINIMUM QUALIFICATION(S) FOR ADMISSION TO M.TECH./M.PLAN. SPONSORED (FULL TIME/PART TIME)

Table 3

S. No.	Academic Department	Post Graduate Programme	Minimum Educational Qualification
1.	Chemical Engineering	Chemical Engineering	<p>B.E./B.Tech. in Chemical Engg., Chemical & Polymer Engg., Chemical Technology, Biochemical Engg., Biotech Engg., Biotechnology, Environmental Engineering, Leather Technology, Material Science & Engg./Technology, Petro-Chemical Engg./Technology, Nanotechnology, Polymer Science & Rubber Technology, Polymer Science & Technology, Polymer Technology, Bioengineering, Biotechnology & Biochemical Engg., Dairy Technology, Environment & Pollution Control, Food Engg./Technology, Industrial Biotechnology, Oil & Paint Technology, Oil Technology, Oils, Oleochemicals & Surfactants Technology, Paint Technology, Petroleum Engg./Technology, Plastic & Polymer Engg., Plastic Engg./Technology, Pulp & Paper Engg., Pulp Technology, Rubber Technology, Surface Coating Technology.</p> <p>BE./B.Tech Degree in any Discipline, Agriculture Engineering, Biomedical Engineering, Environmental Science & Engineering, Production and Industrial Engineering, Engineering Sciences, Mining Engineering, Metallurgical Engineering, M.Sc. in Chemistry, M.Sc. in Physics, M.Sc. in Mathematics</p>
2.	Civil Engineering	Water Resource Engineering	B.E./B.Tech. in Agriculture Engg., Civil Engg., Irrigation Engg., Water Management, Civil Engg. & Planning, Civil Technology.
3.	Civil Engineering	Environmental Engineering	B.E./B.Tech. in Agriculture Engg., Biotech Engg., Biotechnology, Chemical Engg., Civil Engg., Civil Environmental, Computer Technology, Mechanical Engg., Biotechnology & Biochemical Engg., Chemical Technology, Civil Engg. & Planning, Civil Technology, Environmental & Pollution Control, Environmental Science & Engg./Technology.
4.	Civil Engineering	Transportation Engineering	B.E./B.Tech. in Civil Engg., Construction Engg., Construction Technology, Highway Engg., Transportation Engg., Transportation & Urban Planning, Civil Engineering & Planning,

			Civil Technology.
5.	Civil Engineering	Structural Engineering	B.E./B.Tech. in Building & Construction Tech., Civil Engg., Construction Engg., Construction Technology Structural Engg., Applied Mechanics, Civil Engg. & Planning, Civil Technology, Computer Aided Design of Structures.
6.	Civil Engineering	Civil Engineering (Disaster Assessment and Mitigation)	B.E./B.Tech. in Agriculture Engg., Chemical Engg., Civil Engg., Computer Technology, Construction Engg., Construction Technology, Irrigation Engg., Water Management, Civil Engg. & Planning, Civil Technology.
7.	Electrical Engineering	Power Systems	B.E./B.Tech. in Electrical Engg.
8.	Electrical Engineering	Power Systems Management	B.E./B.Tech. in Electrical Engg.
9.	Electronics & Communication Engg.	Electronics and Communication Engg.	B.E./B.Tech. in Electronics & Communication Engg. Electronics and Instrumentation Engg., Electronics and Telecom Engg, Electronics Engg, Telecommunication Engg, Applied Electronics Telecommunication Engg, Communication Engg Computer and Communication Engg., Electronics and Computer Engg., Electronic and Electrical Communication Engg, Electronics Design Technology. Electronics Science and Engg., Information & Comm. Technology.
10.	Electronics & Communication Engineering	VLSI Design	B.E./B.Tech. in Electronics & Communication Engg. Electronics and Instrumentation Engg., Electronics and Telecom Engg, Electronics Engg, Telecommunication Engg., Applied Electronics Telecommunication Engg, Communication Engg., Computer and Communication Engg., Electronics and Computer Engg., Electronic and Electrical Communication Engg, Electronics Design Technology. Electronics Science and Engg., Information & Comm. Technology, VLSI System Design.
11.	Mechanical Engineering	Industrial Engineering	B.E./B.Tech. in Mechanical Engg., Industrial Engg., Industrial Engg. & Management, Industrial & Production Engg., Production & Industrial Engg., Production Engg., Production Engg. & Management.
12.	Metallurgical and Materials Engineering	Metallurgical and Materials Engineering	B.E./B.Tech (All Engineering Branches), M.Sc. in Applied Physics, M.Sc. in Materials Science, M.Sc. in Physics, M.Sc. in Engineering Physics and Instrumentation, M.Sc. in Nano Science and Technology, M.Sc. in Materials Science Solid State Physics.
13.	Metallurgical & Materials Engg.	Steel Technology	Material Science & Engineering, Material Science & Metallurgical Engineering, Material Science & Technology, Materials & Metallurgical Engineering, Metallurgical & Materials Engineering, Metallurgical & Materials Technology, Metallurgical Engineering & Material Science, Metallurgy, Mechanical Engineering, Forging and Foundry, Manufacturing Engineering, Materials & Metallurgical Engineering, Metallurgical & Materials Engineering, Metallurgical & Materials Technology, Metallurgical Engineering, Metallurgical Engineering & Material Science, Metallurgy, Production Engineering

14.	Computer Science and Engineering	Computer Science and Engineering	B.E./B.Tech. in Applied Electronics & Instrumentation Engg., Computer Engg., Computer Science, Computer Science & Engg., Computer Science & Information Technology, Computer Technology, Electrical & Electronics Engg., Electrical & Instrumentation, Electrical Engg., Electrical Engg. (Power), Electrical Power Engg., Electronics & Communication Engg., Electronics & Instrumentation Engg., Electronics & Telecom Engg., Electronics Engg., Information Technology, Power Electronics, Telecommunication Engg., Applied Electronics & Telecommunication Engg., Communication Engg., Computer & Communication Engg., Computer Engg. & Application, Computer Networking, Computer Science & System Engg., Computer Science & Technology, Computing in Computing, Computing in Multimedia, Computing in Software, Electrical Engg. & Industrial Control, Electrical & Instrumentation Engg., Electrical & Power Engg., Electrical Instrumentation & Control Engg., Electronics Instrumentation & Control Engg., Electronics & Computer Engg., Electronics & Control Systems, Electronics & Electrical Communication Engg., Electronics & Electrical Engg., Electronics & Information Systems, Electronics & Power Engg., Electronics & Telematics Engg., Electronics Communication & Instrumentation Engg., Electronics Design Technology, Electronics Instrument & Control, Electronics Science & Engg., Industrial Electronics, Information & Comm. Technology, Information Engg., Information Science, Information Science & Engg./Technology, Software Engg., VLSI System Design
15.	Architecture and Planning	Urban Planning	B.Arch., B.Plan., Bachelor in Town Planning, Bachelor in Transportation Planning, Bachelor in Urban Planning, Bachelor in Town & Country Planning, B.E or B.Tech. in Civil Engineering, B.E or B.Tech. in Environmental Engineering, B.E or B.Tech. in Construction Engineering., B.E or B.Tech. in Construction Technology.
16.	Material Research Centre	Material Science and Engineering	M.Sc. in Physics/ Chemistry/ Applied Science/ Electronics/ Materials Science/Nanotechnology. OR B.Tech. in Applied Electronics and Instrumentation Engineering/ Ceramic Engineering/ Chemical Engineering/ Electrical and Electronics Engineering/ Electrical and Instrumentation Engineering/ Electrical Engineering/ Electronics and Communication Engineering/ Electronics and Instrumentation Engineering/ Electronics Engineering/ Engineering Physics/ Instrumentation and Control Engineering/ Instrumentation Engineering/ Manufacturing Engineering/ Materials Science and Engineering/ Mechanical Engineering/ Metallurgical and Materials Engineering/ Nanotechnology/ Polymer Science and Technology/ Production Engineering/ Ceramic Technology/ Chemical Technology/ Electronics and Electrical Engineering/ Instrument Technology/ Materials Science and Metallurgical Engineering/ Materials and Metallurgical Engineering/ Polymer Engineering and Technology
17.	Centre for Energy & Environment	Renewable Energy	B.E./B.Tech. in Architectural Engg., Architecture, Automobile, Biochemical, Biotech., Biotechnology, Chemical, Civil, Civil Environmental, Control & Electrical, Electrical & Electronics, Electrical & Instrumentation, Electrical, Electrical Engg. (Power), Electrical Power, Electro-chemical, Energy, Engineering Physics, Environmental, Industrial Manufacturing, Industrial &

			Production, Industrial, Industrial Engg. & Management, Industrial Metallurgy, Manufacturing Engg./Tech., Material Science & Engg./Tech., Mechanical Engg., Metallurgical & Materials, Metallurgical & Materials Tech., Metallurgical, Metallurgical Engg. & Material Science, Metallurgy, Power Electronics, Production & Industrial, Production, Production Engg. & Management, Renewable Energy, Chemical & Polymer, Civil Engg. & Planning, Electrical Engg. & Industrial Control, Electrical & Instrumentation, Electrical & Power, Electrical Science & Engg., Environmental Science & Engg./Tech., Material Science & Metallurgical, Mechanical & Automation, Mechanical Engg. Automobile, Power Control & Drives, Power, Solar & Alternate Energy, M. Sc in Applied Physics, Physics, Engineering Physics, Engineering Physics & Instrumentation, any other relevant specialization in B.E./B.Tech./M.Sc.
18.	National Centre for Disaster Mitigation and Management	Earthquake Engineering	B.E./B.Tech. in Civil Engineering, Structural Engineering, Civil Engineering and Planning, Civil Technology.

12. SEAT MATRIX AND OTHER DETAILS

Table 4. Duration of M. Tech./M.Plan./M.Sc. Programme

Programme	Duration of the Programme	
	Normal duration	Maximum duration
M. Tech.	Full Time: 4 Semesters	6 Semesters
	Part Time: 6 Semesters	8 Semesters
M.Sc.	Full Time: 4 Semesters	6 Semesters

Table 5. Seat Matrix for M. Tech./M.Plan Programme (Session 2023-24)

S.No.	Programme	Full Time Sponsored	Part Time Sponsored
1.	Chemical Engineering	5	6
2.	Computer Science and Engineering	5	6
3.	Civil Engineering (Disaster Assessment and Mitigation)	5	6
4.	Environmental Engineering	5	6
5.	Structural Engineering	5	6
6.	Transportation Engineering	5	6
7.	Water Resources Engineering	5	6
8.	Electronics & Communication Engineering	5	6
9.	Industrial Engineering	5	6
10.	Metallurgical and Materials Engineering	0	0
11.	Steel Technology	0	0
12.	Material Science and Engineering	0	0
13.	Power Systems	5	6
14.	Power Systems Management	5	6

15.	Urban Planning	5	6
16.	VLSI Design	5	6
17.	Renewable Energy	5	6
18.	Earthquake Engineering	5	6

Table 6. Basis for Selection to Postgraduate Programmes leading to M. Tech./M. Plan. Degree for Full Time/Sponsored (Full-time and Part-time) candidates

Category	Basis for Selection
M. Tech./M. Plan (Full Time sponsored/Part Time)	Experience, merit of qualifying examination & interview/Test

13. GENERAL INFORMATION

- (a) Admission will be to the first semester of the respective postgraduate programme.
- (b) Admission to various PG programmes leading to M.Tech./M. Plan. degree would be based on a merit list prepared by the respective departments. The merit list will be made available on the website of the Institute. **No separate information will be sent to the candidates.**
- (c) A student who is admitted and registered for a postgraduate programme at the Institute but leaves before completing or discontinued his/her studies, shall not be admitted to a programme at the same level.
- (d) The institute reserves the right not to run any particular programme, if the number of students in that programme is less than the minimum number specified by the Institute at the time of admission.
- (e) The institute reserves the right to change its statutes and regulations relating to academic programmes and the modalities of admission without prior notice.
- (f) There is no age restriction for postgraduate programme.
- (g) In matters of interpretation of the provisions or any matter not covered here in this information brochure, the decision of the Chairman, Senate shall be final and binding on both the parties.

The institute reserves the right to alter the number of seats in any programme without any prior notice.

Notes:

- (1) The provisions for reservation of seats given above are subject to modification in accordance with any Government Order, if issued subsequently by the Government of India.
- (2) It will entirely be the responsibility of the candidate to prove his/her eligibility in terms of minimum educational qualifications and for claiming reservation under a specific category, if any, at the time of submitting the application.
- (3) The requisite certificate for SC/ST/OBC category must be submitted, along with application, in original, issued by a competent authority listed in Annexure 1, failing which the benefit of the reserved category will not be given. **The OBC/EWS certificate should have been issued after March 31, 2023.**
- (4) PWD candidates should submit along with the application, the certificate, in original, from a Government medical board. Such a candidate may, however, be asked to appear before a Medical Board duly constituted by MNIT, Jaipur for this purpose. The Medical Board will decide the

courses, which cannot be offered to a candidate, on the basis of the nature of his/her disability. The candidate will be offered admission out of the remaining courses as per the institute policy.

- (5) **The candidate should be ready with all original documents and PG dissertation thesis at the time of interview for Ph.D. admission.**

14. FEES

Updated Fees structure will be available on Institute website https://mnit.ac.in/academics/fee_structure

15. MATTERS OF DISPUTE

Disputes if any, arising out of or relating to any matter whatsoever shall be subject to the exclusive jurisdiction of Jaipur Courts.

16. RAGGING

Ragging is banned in the institute and anyone indulging in ragging is likely to be punished appropriately and the punishment may include expulsion from the institute, suspension from the institute or classes for a limited period or fine with a public apology. The punishment may also take the shape of: (i) withholding assistantship or other benefits; (ii) debarring from representation in events (iii) withholding results (iv) suspension, rustication or expulsion from hostel or mess. (v) monetary fines.

17. IMPORTANT INSTRUCTIONS

- a. The candidates are advised to read each and every instruction given in this Information Brochure very carefully before filling-up the Application Form.
- b. **The application fee of Rs. 1000/- for General/OBC/EWS category and Rs. 500/- for SC/ST category candidates is to be deposited online only while submitting the application.**
- c. The candidate must keep a photocopy of the form for future reference.
- d. **Scrutiny of application shall be done solely on the basis of information submitted by you in the application form, hence fill it very carefully. If at any stage of admission process a candidate is found not to meet the eligibility criteria, have hidden/submitted incorrect information, the candidature of the candidate will be summarily cancelled.**
- e. Request for change of category received after the last date will not be accepted under any circumstances.
- f. **Self attested photo stat copies of the certificates/testimonials and all originals documents, PG dissertation/thesis copy should be brought along with the Application Form while coming for admission process. Two recent passport size photographs should be brought. Application Form either incompletely filled or without attested copies of the certificates/testimonials is liable to be rejected.**
- g. Original Documents/ Self attested photocopies of the following certificates have to be brought along with the Application Form at the time **of interview** :-
 - i. High School/Secondary School certificate in support of age/date of birth. No other certificate is acceptable in support of the age/date of birth.

- ii. Provisional/Final Degree certificate/Migration Certificate must be attached.
- iii. The Marks Sheet/Grade Card of Qualifying Examination including Diploma if applicable.
- iv. Character Certificate from the Director/Dean of Students Affairs of the Institute from where the candidate has graduated (For all candidates).
- v. Character Certificate from two persons of repute where the candidate has been residing for the last two years (For part-time course applicants only).
- vi. Certificate from the employer on the official stationery and rubber stamp of the organization/institution (For full-time sponsored/part-time candidates only).
- vii. Candidate needs to submit a statement about research proposal (in not more than 500 words) for the topic chosen as first priority. It MUST be attached with application. This will have due weightage during process of screening/selection process..**
- h. In case the candidate is seeking admission as a sponsored candidate, he/she should submit a certificate from his/her present employer on official stationery with rubber stamp that he/she will be sponsored on deputation/study leave/extra ordinary leave with permission to attend the full time M.Tech. course if he/she is admitted. The employer should also indicate that the candidate will not be withdrawn midway till the completion of the course.

ANNEXURE I

AUTHORITIES WHO MAY ISSUE CASTE/TRIBE CERTIFICATE (SC/ST/OBC candidates should submit certificate issued by any of the following authorities)

District Magistrate/Additional District Magistrate/ Collector/ Deputy Commissioner/ Additional Deputy Commissioner/ Deputy Collector/ 1st Class Stipendiary Magistrate/ City Magistrate/ Sub-Divisional Magistrate / Taluka Magistrate /Executive Magistrate /Extra Assistant Commissioner/ Chief Presidency Magistrate/Additional Chief Presidency Magistrate/ Presidency Magistrate/ Revenue Officer not below the rank of Tehsildar/Sub-Divisional Officer of the area where the candidate and /or his/her family normally resides/Administrator/Secretary to Administrator/Development Officer (Lakshadweep Island).

(Certificate issued by any other authority will be rejected.)

ANNEXURE II

CERTIFICATE FROM INSTITUTE / UNIVERSITY (Required during registration from candidates whose result of the qualifying examination has not been declared)

I hereby certify that Mr./Ms. has appeared in the final year examination including theory, practical and project examination for B.E./B.Tech./B.Sc./M.Sc.....degree (strike out the non-applicable ones and write in the blank if the degree is not mentioned) and the result is likely to be announced by His/her conduct and character during his/her stay at the Institute/University was "GOOD".

Place:
Date:.....

Signature of the Principal/Dean/Registrar/
Dy. Registrar/Proctor/Administrative
Officer of the institute last attended with seal

CERTIFICATE OF THE FORWARDING OFFICER

(Required from candidates who is yet to appear in the qualifying examination or yet to get the degree)

I hereby certify in connection with the application of Mr./Ms. that he/ she is a bonafide student of our institution and is applying for admission to PG programmes at MNIT Jaipur. He/She is yet to complete / has completed all the requirements of qualifying examination including theory, practical and project examination for B.E./B.Tech./B.Sc./M.Sc. (Strike out the non-applicable ones and write in the blank if the degree is not mentioned) and the result is likely to be announced by His/her conduct and character during his/her stay at the Institute/University is "GOOD".

Place:.....
Date:.....

Signature of the Principal/Dean/Registrar/
Dy. Registrar/Proctor/Administrative Officer
of the institute attending/last attended with seal

SPONSORSHIP CERTIFICATE
(Required from Full-time Sponsored Candidates only)

(This should be typed on the letterhead of the Sponsoring Organization and enclosed with application for admission)

To,
The Director
MNIT, Jaipur
Sub: Sponsoring of an employer for M.Tech. Programme.

We hereby Sponsor the candidature of Mr./Ms. who is working in this organization for the lastyears and is presently holding the rank/position of for joining his/her M. Tech. programme in at your Institute as a Full Time candidate in the Department of with specialization in the following areas:

- 1.....
- 2.....
- 3.....

His/her conduct and character is good.

The Institution/Organization would relieve him/her immediately for joining the above course, if selected for admission. We shall fully relieve him/her duties in the organization to devote sufficient time for M. Tech./M. Plan..

Place:
Date:.....

Signature of Head of the Institution/Organization with seal
Name
Designation

*Candidate should also give a separate undertaking that he would fulfill the attendance requirements of all the courses undertaken by him for fulfillment of the course pursued.

NO OBJECTION CERTIFICATE

(Required from Candidates Seeking Admission on Part-time Basis)

(On a letterhead of the sponsoring organization & enclosed with application for admission)

The undersigned is pleased to permit Mr./Ms. who is working in this organization for the last years and is presently holding the rank/position of for pursuing the programme (course) at MNIT Jaipur in the Department of with specialization in the following areas:

1.....

2.....

3.....

His/her conduct and character is good. We are ready to relieve him/her during study hours (usually 8-10 hours of classroom instructions in a week) to undergo the Masters' programme / (usually about 6 hours of classroom instructions in a week) to undergo the Ph.D. programme as per time-table of the Institute, which follows slot system. We understand that the duration of course work is expected to be 4 semesters for Part-Time M.Tech. programme/ 5 semesters for part-time Ph.D. programme, while total duration is expected to be 3 years for part time M.Tech./ 6 years for part-time Ph.D.

Place:

Date:.....

Signature of Head of the Institution/Organization with seal

Name

Designation

NO OBJECTION CERTIFICATE

(Required from Candidates Seeking Admission on OFF CAMPUS Basis)

(On a letterhead of the sponsoring organization & enclosed with application for admission)

The undersigned is pleased to permit Mr./Ms. who is working in this organization for the last **(must be more than two year)** years and is presently holding the rank/position of for pursuing the programme (course) at MNIT Jaipur in the Department of with specialization in the following areas:

1.....

2.....

3.....

His/her conduct and character is good. We are ready to relieve him/her to stay on the campus to enable the candidate to complete the "Course work", "Comprehensive Examination" and "State of Art Seminar" and at the end of every semester for the semester evaluation. The organization has the **research and library facilities** available and the same would be available to him/her for carrying out research.

Place:

Date:.....

Signature of Head of the Institution/Organization with seal

Name

Designation

FORMAT FOR OBC [NCL] CERTIFICATE

TO BE PRODUCED BY OTHER BACKWARD CLASSES AS PER CENTRAL GOVT. FORMAT ONLY

[This certificate MUST have been issued on or after 1st April 2023]

This is to certify that Shri/Smt./Kum. _____ Son/Daughter of Shri/Smt

_____ of Village/Town _____

District/Division _____ in the _____ State/UT belongs to the _____ Community which is recognized as a backward class under:

- (i) Resolution No. 12011/68/93-BCC(C), dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186, dated 13/09/93.
- (ii) Resolution No. 12011/9/94-BCC, dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163, dated 20/10/94.
- (iii) Resolution No. 12011/7/95-BCC, dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88, dated 25/05/95.
- (iv) Resolution No. 12011/96/94-BCC, dated 9/03/96.
- (v) Resolution No. 12011/44/96-BCC, dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 11/12/96.
- (vi) Resolution No. 12011/13/97-BCC, dated 03/12/97.
- (vii) Resolution No. 12011/99/94-BCC, dated 11/12/97.
- (viii) Resolution No. 12011/68/98-BCC, dated 27/10/99.
- (ix) Resolution No. 12011/88/98-BCC, dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270, dated 06/12/99.
- (x) Resolution No. 12011/36/99-BCC, dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71, dated 04/04/2000.
- (xi) Resolution No. 12011/44/99-BCC, dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 21/09/2000.
- (xii) Resolution No. 12016/9/2000-BCC, dated 06/09/2001.
- (xiii) Resolution No. 12011/1/2001-BCC, dated 19/06/2003.
- (xiv) Resolution No. 12011/4/2002-BCC, dated 13/01/2004.
- (xv) Resolution No. 12011/9/2004-BCC, dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 16/01/2006.
- (xvi) Resolution No. 12015/2/2007-BCC, dated 18/08/2010.
- (xvii) Resolution No. 12015/2/2007-BCC, dated 11/10/2010.
- (xviii) Resolution No. 12015/13/2010-BC-II, dated 08/12/2011.
- (xix) Resolution No. 12015/05/2011-BC-II, dated 17/02/2014.
- (xx) Resolution No. 12011/6/2014-BC-II, dated 07/12/2016.

Shri/Smt./Kum. _____ and/or his family ordinarily reside(s) in the _____ District/Division of _____ State/UT. This is also

to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of the

Schedule to the Government of India, Department of Personnel & Training O.M. No. 36 012/22/93- Estt.(SCT),

dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.), dated 09/03/2004.

Place _____

Date _____

Signature _____

Designation^ _____

(with seal of office)

NOTE:

- (a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

- (b) ^The authorities competent to issue Caste Certificates are indicated below:
- (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / First Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of 1st Class Stipendiary Magistrate).
 - (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
 - (iii) Revenue Officer not below the rank of Tehsildar.
 - (iv) Sub-Divisional Officer of the area where the candidate and / or his family resides.
- (C) OBC Certificate issued from Maharashtra State must be validated by the Social Welfare Department of Maharashtra Government.

OBC Undertaking

Declaration / undertaking - for OBC Candidates only

I, _____ son/daughter of Shri _____ resident of village/town/city _____ district _____ State hereby declare that I belong to the _____ community which is recognized as a backward class by the Government of India for the purpose of reservation in services as per orders contained in Department of Personnel and Training Office Memorandum No.36012/22/93- Estt. (SCT), dated 8/9/1993. It is also declared that I do not belong to persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the above referred Office Memorandum, dated 8/9/1993, which is modified vide Department of Personnel and Training Office Memorandum No.36033/3/2004 Estt.(Res.) dated 9/3/2004. I also declare that the condition of status/annual income for creamy layer of my parents/guardian is within prescribed limits as on financial year ending on March 31, 2023.

Place: Signature of the Candidate

Date:

Declaration/undertaking not signed by Candidate will be rejected

SC/ST CERTIFICATE FORMAT**FORM OF CERTIFICATE TO BE PRODUCED BY A CANDIDATE BELONGING TO SCHEDULED CASTE OR SCHEDULED TRIBE**

This is to certify that Shri/Smt./Kum. _____ Son/Daughter of Shri _____

_____ of village/Town _____ in District/ Division _____ of the State/Union Territory _____ belongs to the _____ caste/Tribe, which is recognized as a Schedule Caste/Scheduled Tribe under.

The Constitution (Scheduled Castes) order, 1950.

The Constitution (Scheduled Tribes) order, 1950.

The Constitution (Scheduled Castes)(Union Territory) order, 1951.

The Constitution (Scheduled Tribes) (Union Territory) order, 1951.

(As amended by the Scheduled Castes and Scheduled Tribes (Modification) Order 1956, the Bombay Reorganization Act, 1960, the Punjab Reorganization Act, 1966, The State of Himachal Pradesh Act, 1970, the North Eastern Areas (Reorganization Act, 1971) and the Scheduled Castes and Scheduled Tribes orders (Amendment) Act, 1976.)

*The constitution (Jammu & Kashmir) Scheduled Caste Order, 1956;

*The Constitution (Andaman and Nicobar Islands) Scheduled Tribes, 1959, as amended by the Scheduled Castes and Scheduled Tribes orders (Amendment) Act. 1976;

*The Constitution (Dadra and Nagar Haveli) Scheduled Castes Order 1962;

*The Constitution (Dadra & Nagar Haveli) Scheduled Tribes Order, 1962; *

The Constitution (Pondichery) Scheduled Castes Order, 1964;

*The Constitution (Uttar Pradesh) Scheduled Tribes Order, 1967;

*The Constitution (Goa, Daman & Diu) Scheduled Castes Order, 1968;

*The Constitution (Goa, Daman & Diu) Scheduled Tribes Order, 1968;

*The Constitution (Nagaland) Scheduled Tribes Order, 1970;

*The Constitution (Sikkim) Scheduled Castes Order, 1978;

*The Constitution (Sikkim) Scheduled Tribes Order, 1978;

*The Constitution (Scheduled Castes) Orders (Amendment) Act, 1990.

*The Constitution (Scheduled Tribes) Order, (Amendment) Ordinance, 1991.

*The Constitution (Scheduled Tribes) Order, (Second Amendment) Act, 1991.

*The Constitution (Scheduled Tribes) Ordinance, 1996

This certificate is issued on the basis of the Scheduled Castes/Scheduled Tribes Certificate issue to

Shri _____ Father of Shri _____ of village/town _____ in District/Division _____ of the State/UT _____

_____ who belongs to the _____ caste/Tribe which is recognized as a SC/ST in the State/Union Territory

_____ issued by the _____ (name of the prescribed issuing authority) vide their No. _____ dated _____ or Shri

_____ and or his/her family ordinarily reside(s) in Village/Town _____ of _____ District/Division of the State/Union Territory of _____.

Place _____

Date _____

Signature _____

Designation _____

(With seal of Office)

NOTE: - The terms ordinarily reside(s) used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.**SC Certificate issued from Maharashtra State must be validated by Social Welfare Department and ST Caste certificate must be validated by Tribal Development Department of Maharashtra Government.****LIST OF AUTHORITIES EMPOWERED TO ISSUE CASTE/TRIBE CERTIFICATE:**

1. District Magistrate/Additional District Magistrate/Collector/Deputy Commissioner /Additional Deputy Commissioner/Dy. Collector/ ^{1st} Class Stipendiary Magistrate/Sub Divisional Magistrate/Extra Assistant Commissioner/ Taluka Magistrate/Executive Magistrate.
2. Chief Presidency Magistrate/Additional Chief Presidency Magistrate/Presidency Magistrate.
3. Revenue Officers not below the rank of Tahsildar.
4. Sub-Divisional Officers of the area where the candidate and/or his family normally resides.

PWD CERTIFICATE FORMAT**DISABILITY CERTIFICATE FORMAT - I****{In cases of amputation or complete permanent paralysis of limbs and in cases of blindness}****(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)**

No. - _____

Date - ____ / ____ / ____

Signature/LTI/RTI of the Candidate

--

Passport size photograph of the Candidate
--

This is to certify that I have carefully examined Shri/Smt./Kum. _____,

son/wife/daughter of Shri _____ Date of Birth ____ / ____ / ____

[Age - _____ years], male/female, Registration No. _____ permanent resident of

House No.- _____, Ward/Village/Street _____ Post Office

_____ District _____ State _____, whose

photograph is affixed above, and am satisfied that

1. he/she is a case of (Please tick as applicable):
 - a. locomotor disability
 - b. blindness
2. the diagnosis in his/her case is _____.
3. He / She has _____ % (in figure) _____ percent (in words) permanent physical impairment/blindness in relation to his/her _____ (part of body) as per guidelines (to be specified).
4. The applicant has submitted the following document as proof of residence:-

Nature of Document	Date of Issue	Details of authority issuing the certificate

Official Seal:

[Authorised Signatory of notified Medical Authority]

Name: _____

DISABILITY CERTIFICATE FORMAT - II

{In cases of multiple disabilities}

(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

No. - _____

Date - ____ / ____ / ____

Signature/LTI/RTI of the Candidate

Passport size
 photograph
 of the
 Candidate

This is to certify that I have carefully examined Shri/Smt./Kum. _____,

son/wife/daughter of Shri _____ Date of Birth ____ / ____ / ____

[Age - _____ years], male/female, Registration No. _____ permanent resident of

House No.- _____, Ward/Village/Street _____ Post Office

_____ District _____ State _____, whose

photograph is affixed above, and am satisfied that

1. He/she is a Case of **Multiple Disability**. His/her extent of permanent physical impairment/ disability has been evaluated as per guidelines (to be specified) for the disabilities ticked below, and shown against the relevant disability in the table below:

S. No.	Disability	Affected Part of Body	Diagnosis	Permanent physical impairment/mental disability (in %)
1	Locomotor disability	@		
2	Low vision	#		
3	Blindness	Both Eyes		
4	Hearing impairment	£		
5	Mental retardation	X		
6	Mental-illness	X		

Contd.

2. In the light of the above, his/her overall permanent physical impairment as per guidelines (to be specified), is as follows:

In figures: _____ %

In words: _____ percent

3. The above condition is progressive/ non-progressive/ likely to improve/ not likely to improve.

4. Reassessment of disability is:

(i) Not Necessary [or]

(ii) is recommended/after _____ years _____ months, and therefore this certificate shall be valid till (DD/MM/YY) _____.

@ - e.g. Left/Right/both arms/legs

- e.g. Single eye/both eyes

£ - e.g. Left/Right/both ears

5. The applicant has submitted the following document as proof of residence:

Nature of Document	Date of Issue	Details of authority issuing the certificate

6. Signature and seal of the Medical Authority:

Name and Seal of Member	Name of Seal of Member	Name and Seal of the Chairperson

DISABILITY CERTIFICATE FORMAT - III

{In cases of any other case not covered in Format - I & II}

(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

No. - _____

Date - ____ / ____ / ____

Signature/LTI/RTI of the Candidate

Passport size
 photograph
 of the
 Candidate

This is to certify that I have carefully examined Shri/Smt./Kum. _____,

son/wife/daughter of Shri _____ Date of Birth ____ / ____ / ____

[Age - ____ years], male/female, Registration No. _____ permanent resident of

House No.- _____, Ward/Village/Street _____ Post Office

_____ District _____ State _____, whose

photograph is affixed above, and am satisfied that

1. He/she is a Case of **Multiple Disability**. His/her extent of permanent physical impairment/ disability has been evaluated as per guidelines (to be specified) for the disabilities ticked below, and shown against the relevant disability in the table below:

S. No.	Disability	Affected Part of Body	Diagnosis	Permanent physical impairment/mental disability (in %)
1	Locomotor disability	@		
2	Low vision	#		
3	Blindness	Both Eyes		
4	Hearing impairment	£		
5	Mental retardation	X		
6	Mental-illness	X		

Contd.

2. In the light of the above, his/her overall permanent physical impairment as per guidelines (to be specified), is as follows:

In figures: _____%

In words: _____percent

3. The above condition is progressive/ non-progressive/ likely to improve/ not likely to improve.

4. Reassessment of disability is:

(i) Not Necessary [or]

(ii) is recommended/after _____ years _____ months, and therefore this certificate shall be valid till (DD/MM/YY) _____.

@ - e.g. Left/Right/botharms/legs

- e.g. Single eye/both eyes

£ - e.g. Left/Right/both ears

5. The applicant has submitted the following document as proof of residence:

Nature of Document	Date of Issue	Details of authority issuing the certificate

Official Seal:

[Authorised Signatory of notified Medical Authority*]

Name: _____

* In case this certificate is issued by a medical authority who is not a government servant, it shall be valid only if countersigned by the Chief Medical Officer of the District. Note: The principal rules were published in the Gazette of India vide notification number S.O. 908(E), dated the 31st December, 1996.

Countersigned^

Official Seal:

[CMO/Medical Superintendent/Head of Govt. Hospital]

Name: _____

^ Countersignature and seal of the CMO/Medical Superintendent/Head of Government Hospital is essential in case the certificate is issued by a medical authority who is not a government servant.

DECLARATION FORM

Id. No.	
Programme:	Ph.D.
Department	
Name	
Son/Daughter/Wife of	

I declare that:

1. I shall not receive any salary, scholarship, stipend or any other financial benefit from any other source except the institute assistantship during the period of my study at MNIT. (except top up grants from Institute Project/Industry and income from participating in consultancy projects of faculty of the Institute)
2. I shall not accept and join any job without obtaining prior permission of the institute.
3. I understand that I shall not be permitted to leave the programme midway and shall complete my programme successfully. Failing which I shall pay back entire assistantship received from the institute by me.
4. I also understand that in case I withdraw from the enrolled programme, the caution money shall not be refunded to me.

Signature of the student
Email Address
Mobile No.

Dated:

INCOME & ASSEST CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS

Government of

(Name & Address of the authority issuing the certificate)

[This certificate MUST have been issued on or after 1st April 2023

Certificate No. _____

Date: _____

VALID FOR THE YEAR _____

1. This is to certify that Shri/Smt./Kumari _____, son/daughter/wife of _____ permanent resident of _____, Village/Street _____ Post Office _____ District in the State/Union Territory _____ Pin Code _____ whose photograph is attested below belongs to Economically Weaker Sections, since the gross annual income* of his/her family is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year ____. His/her family does not own or possess any of the following assets***:**

- I. 5 acres of agricultural land and above;
- II. Residential flat of 1000 sq. ft. and above;
- III. Residential plot of 100 sq. yards and above in notified municipalities;
- IV. Residential plot of 200 sq. yards and above in. areas other than the notified municipalities.

2. Shri/Smt./Kumari _____ belongs to the _____ caste which is not recognized as a Scheduled Caste, Scheduled Tribe and Other Backward Classes (Central List).s

Signature with seal of Office _____

Name _____

Designation _____

Recent Passport size
attested photograph
of the applicant

The income and assets of the families as mentioned would be required to be certified by an officer not below the rank of Tehsildar in the States/UTs.

Note:

- * Income covered all sources i.e. salary, agriculture, business, profession, etc.
- ** The term 'Family' for this purpose includes the person, who seeks benefit of reservation, his/her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years.
- *** The property held by a 'Family' in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.

Contact Details of DPGC Convener of the Department/Centre

S. No.	Department/Centre	Email
1	ARCHITECTURE AND PLANNING	dpgc.arch@mnit.ac.in
2	CENTRE FOR ENERGY AND ENVIRONMENT	dpgc.cee@mnit.ac.in
3	CHEMICAL ENGINEERING	dpgc.chem@mnit.ac.in
4	CHEMISTRY	dpgc.chy@mnit.ac.in
5	CIVIL ENGINEERING	dpgc.ce@mnit.ac.in
6	COMPUTER SCIENCE AND ENGINEERING	dpgc.cse@mnit.ac.in
7	ELECTRICAL ENGINEERING	dpgc.ee@mnit.ac.in
8	ELECTRONICS AND COMMUNICATION ENGINEERING	dpgc.ece@mnit.ac.in
9	HUMANITIES AND SOCIAL SCIENCE	dpgc.hum@mnit.ac.in
10	MANAGEMENT STUDIES	dpgc.dms@mnit.ac.in
11	MATERIAL RESEARCH CENTER	dpgc.mrc@mnit.ac.in
12	MATHEMATICS	dpgc.maths@mnit.ac.in
13	MECHANICAL ENGINEERING	dpgc.mech@mnit.ac.in
14	METALLURGICAL AND MATERIALS ENGINEERING	dpgc.meta@mnit.ac.in
15	NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	dpgc.ncdmm@mnit.ac.in
16	PHYSICS	dpgc.phy@mnit.ac.in