

# **INFORMATION BROCHURE**

for admission to

**DOCTOR OF PHILOSOPHY- Ph.D.**  
**MASTER OF TECHNOLOGY - M. Tech.**  
**MASTER OF PLANNING - Urban Planning**

(2021-2022)



**MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR**  
**JAWAHAR LAL NEHRU MARG, MALVIYA NAGAR, JAIPUR-302017 (RAJASTHAN)**

<http://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](mailto:admissions@mnit.ac.in),

[webmaster@mnit.ac.in](mailto:webmaster@mnit.ac.in) (for technical issues)

Telephone no. 0141- 2715038 (12.00 PM to 3.00 PM)

Website: [www.mnit.ac.in](http://www.mnit.ac.in)

**Application has to be filled online**

**(Link available at [www.mnit.ac.in](http://www.mnit.ac.in)).**

**Start Date of Online Application :- 04/06/2021**

**Last Date and Time for submission of Online Application form :- 30/06/2021 (till 5.00 PM)**

**Provisional list of shortlisted/eligible candidates for online/offline written test/interview will be displayed on Institute website by 09/07/2021.**

**Dates of written test (online/offline) :- 26/07/2021 to 27/07/2021**

**Dates of Interview(online/offline) of the shortlisted candidates :- 27/07/2021 to 28/07/2021**

**Final Result :- 09/08/2021**

**Note :-**No separate interview letter will be issued, the mode (online/offline) of written test and interview will informed 15 days before the examination.

*Also refer to Rules and Regulations manual for PG programmes for more details given on website [mnit.ac.in](http://mnit.ac.in).*

**ADMISSION CATEGORIES**

1. Full Time Research Scholar
  - i) Self Financed
  - ii) With Institute Scholarship
2. Sponsored Full Time Research Scholar
3. Sponsored Part Time Research Scholar (residing within 70 km radius of Jaipur) **NOC required as per annexure V**
4. Off Campus Research Scholar (residing outside 70 km radius of Jaipur) **NOC required as per annexure VI**
5. Project staff of MNIT 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 650 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 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 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/MHRD from time to time shall be applicable.

#### **4.2 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 2021-22. For more details and information brochure, please visit the website [www.ccmt.nic.in](http://www.ccmt.nic.in)

#### **4.3 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. 4 Doctor of philosophy**

##### ***4.4.1 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.

##### ***4.4.2 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).

#### **4.4.3 Ph.D. in Management**

The applicant must have a two-year post-graduate degree in management /commerce/ economics/ engineering / technology with CGPA not below 6.5 on a ten-point scale or 60% marks (where CGPA is not awarded)

#### **4.4.4 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).

### **5. ADMISSION OF SPONSORED CANDIDATES**

- i. A candidate who is sponsored for either Full time (FT) or Part time (PT) studies at MNIT by his/her employer and who meets the additional conditions specified below may be admitted through the Dept. Selection Committee appointed.
- ii. A sponsored candidate full time or part time must have total experience of more than two years, and in the case of full time sponsored candidate, he/she must have been in service of the sponsoring organization for at least one year at the time of admission. The sponsoring organization must specifically undertake to relieve him/her to pursue the programme for its full 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

### **6. ADMISSION TO OFF CAMPUS PROGRAMME FOR PH.D.**

- i. A candidate 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.**

## 7. FINANCIAL ASSISTANCE

- i. The Institute may provide financial assistance to postgraduate students in the form of teaching or 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 MHRD from time to time. A student is expected to devote about eight hours per week towards job(s) assigned to him/her by the department. 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.
- ii. 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/ MHRD/ Corporate Houses etc.
- iii. In addition to the students admitted with financial assistance, students may also be admitted to the Ph.D. programmes on a self-financing basis.
- iv. The candidates applying for financial assistantship are required to submit the undertaking at the time of admission in the prescribed Performa given in Annexure-XI.

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

**Table 1 : Minimum qualification(s)**

<b>Department</b>	<b>Minimum Educational Qualification</b>
<b>Architecture &amp; Planning</b>	Masters degree in Architecture/Planning/Technology in relevant discipline.
<b>Chemical Engineering</b>	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.
<b>Chemistry</b>	M.Sc. in Chemistry/ Medicinal Chemistry / Pharmaceutical Chemistry/ Environmental Chemistry/ Biochemistry/ Biotechnology and related disciplines with chemistry as one of the optional subject.
<b>Civil Engineering</b>	M.E./M.Tech. degree in relevant engineering discipline
<b>Computer Science &amp; Engineering</b>	B.E./B.Tech. in Computer Science and Engg./ Computer Engg./ Information Technology/ Communication and Computer Engg./ Electronics and Communication Engg. M.E./M.Tech. in Computer Science and Engg./ Computer Engg./ Software Engg./ Information Technology/ Information Security/ VLSI
<b>Electrical Engineering</b>	M.E./M.Tech. or equivalent degree in respective & relevant Engineering disciplines
<b>Electronics &amp; Communication Engineering</b>	B. Tech. and M. Tech. Electrical/ Electronics/ Computer/ Communication/ Telecommunication/ Instrumentation/ Control/ Microelectronics or equivalent discipline consistent with research areas of department.
<b>Humanities and Social Sciences</b>	M.A./M.Com. or equivalent degree with 6.5 CGPA on a 10-point scale or 60% marks Master's degree in Science with 6.5 CGPA on a 10-point scale or 60% marks may be considered for research areas consistent with the academic background and special interest.

<b>Mathematics</b>	M.A./M.Sc. in Mathematics/Computer Science/Statistics
<b>Mechanical Engineering</b>	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.
<b>Metallurgical &amp; Materials Engineering</b>	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.
<b>Physics</b>	The applicant must have a Master's degree with CGPA not below 6.5 on a 10 point scale or 60% marks (where CGPA is not awarded) 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
<b>Centre for Energy and Environment</b>	B.Tech./B.Arch. With post graduation in relevant discipline
<b>National Centre for Disaster Mitigation and Management</b>	Under Graduate: civil engineering/Architecture Graduate: Structural engineering/Earthquake Engineering or any other branch of civil/architectural Engineering
<b>Management</b>	The applicant must have a <b>two-year post-graduate degree in management /commerce/ economics/ engineering / technology</b> with CGPA not below 6.5 on a ten-point scale or 60% marks (where CGPA is not awarded).
<b>Materials Research Centre</b>	The applicant must have a Master's degree in Engineering/Technology/ Science subject with CGPA not below 6.5 on a ten point scale or 60% marks (where CGPA is not awarded) 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 <b>OR</b> 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.**



## 9. AVAILABLE RESEARCH AREAS IN VARIOUS DEPARTMENTS

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

<b>With Scholarship</b>	
<b>Department</b>	<b>Tentative Research Area of proposed Ph.D</b>
<b>Electronics and Communication Engineering</b>	Design of Microstrip Antenna
	Design of FSS, Absorbers, Rasorbers
	Design of Metasurfaces & Metamaterials
	Signal conditioning circuit, Mixed signal circuits.
	MEMS Based Sensors
	Design of Wi-Fi system for 2.4GHz
	Design of ultra high speed analog circuits at 45nm technology
	Development of smart sensor for IOT
	Multirate Signal Processing and its application
	Wireless Communication
	Microwave Imaging Algorithms
	Inverse Scattering Algorithms
	Wideband Microstrip Antennas
	Metasurfaces
	AI/ML in Health Care
	Biomedical Circuits
	Machine/Deep learning for Computer Vision
	Quantum Machine Learning
	Microelectronic Devices and Sensors
	TFET as Biosensor
	Electrical performance of Negative capacitance of TFET
	Signal processing
	MEMS
	Free Space Optics
	Visible Light Communication
	Design and Development of Biosensor
	Design and Development of Gas sensor
	Analog & Digital VLSI Design
Nano Electronics Device Modeling and Simulation.	
Machine Learning and Nature Inspired Optimization	
<b>Humanities and Social Sciences</b>	Political Institutions in India.
	Indian Judiciary
	SOCIOLOGY: Gender and Society; Inequalities, Stratification and Exclusion
	Science, Technology and Society
	Energy/Green Economics
	Impact Assessment of Power Sector Reforms; Electricity Markets
<b>Mechanical Engineering</b>	Modelling of supply chain disruption
	Dynamic Balancing and design of machines and mechanisms
	Assessment of Supply Chain Reliability
	Stability analysis of small scale floating rafts
	Fabrication and machining of composite
	Investigation on role of temperature in hybrid machining method

	Investigating Lean thinking in Industry 4.0 Environment
	Machine learning based approach Sustainable Supply chain
	Tribological performance of nano-structured wear-resistant composite coatings
	Design and development of Fitness equipment
	Tribological study of AA7075 alloy
	Investigation of various effects on weldment characteristics through resistive heating
	Characterization, analysis and testing of flux fused novel alloy through arc welding processes
	Modelling and analysis to investigate fracture and failure of nanocomposites through simulations.
	Anelastic behaviour of Multi-directional Composites
	Morphology and Stability Analysis of CV Junction Abnormalities
	Fault diagnosis of gearbox
	Dynamic modelling and simulation of faulty gearbox
	Fracture Simulation of Piezoelectric Materials Under Thermo-Mechanical Loadin
	Semi-Permeable Crack Anaysis in Piezoelectric Materials
	Emission reduction using alternate fuels
Material Research Centre	Fluorescent nanomaterials for optical detection of various pollutants and biomolecules.
	Development of hybrid nanomaterials for applications as nanozymes and environmental remediation.
	Thermoelectric properties of two-dimensional MXenes.
	Microstructure engineering of half huesler alloys for thermoelectric application.
	Development of Metal Organic Frameworks (MoF) based sensors for pesticide detection in drinking & irrigation water
	2D nanomaterials for electrochemical energy storage devices
	Novel Nanocomposites for multifunctional Application
	Nanomaterials for wastewater remediation
Mathematics	Numerical Investigations of Ordinary Differential Equations
	Computational Scheme for Partial Differential Equations
	Blood Flow With Magnetic Effect
	Magnetohydrodynamic Boundary Layer Flow of Nanofluid
	Spaces of Semicontinuous Functions
	Generalized Continuous Functions
	Hydrodynamic stability of fluid flows.
	Computational study of nonlinear PDEs.
	Modelling and Simulation of Partial Differential Equations
Architecture and Planning	Climate responsive Design and Planning for Energy Efficiency
	Eco sensitive Urbanization
	Ecosystems Approach to Planning A Metropolitan City
	Planning The Blue And Green Infastructure for Mitigating UHI Effect In A Metropolitan City
	Urban Disaster Resilience and Development Regulations
	Traditional architecture and sustainable built environment
	Smart cities & sustainable urban infastructure
	Employment pattern & Housing for migrant workers
	Traditional & vernacular knowledge systems in architecture
	Urban systems and their planning

	Traditional built environment and Intangible Heritage
	Sustainable Housing
	Assessment of Building Envelope Design
	Urban Design Interventions for Architecture Appreciation
	Infrastructure Planning and Const. Management
	Transport Planning and Engineering
Metallurgical and Materials Engineering	High Entropy alloy-Grephene oxide nanocomposite for use in aerospace applications
	Development of Hybrids/ Nanocomposites for Biomedical applications
	Study on Polymer Nanocomposites for Aerospace Applications
	Improvement of electrical and magnetic properties of polymer with doping of high entropy alloy elements
	Synthesis and characterization of bulk consolidated Al-Li based alloy produced using powder metallurgy route
	Corrosion behavior friction stir spot welded of Al 6061 alloy
	Synthesis and Characterization studies of CNT based polymer composites
	Synthesis and process parameter studies of Graphite based metal composite for Automotive application
	Al-Li nanocomposite coating for wear resistance applications
	Joining of dissimilar metals
	Reduction kinetics of Iron-coal composite pallets
	High efficiency polymer solar cells
	Novel cathode buffer layers for polymer solar cells
	Development of nano-crystalline soft magnetic alloy film
	Fabrication of super-hydrophobic layer by electro-deposition technique
	Studies on the effect of deformation on microstructure and mechanical behavior of dual phase steel
	Low alloy advanced high strength steels
	Improvement in mechanical properties of creep resistant steel
	Microstructure and Mechanical properties of steel.
	Tensile behavior of a Ti alloy used in aerospace.
Application of advanced processing techniques for high performance applications	
Electrical Engineering	Power System Economics
	Power system analysis & optimization
	Combined AC/DC EV charger
	DC-DC Converter for EV chargers
	Smart grid
	Renewable energy/Microgrids
	Power System Operation and Control
	Power Systems Economics
	Power System Economics
	Artificial Intelligence application for Power System
	Renewable Energy Systems, their Integration in Power System, Optimization and challenges.
	Electric Vehicles, Smart Grid and Applications of AI in EVs and Smart Grid
	Electricity Markets
	Grid integration of renewables

	Control of Power Electronic Converters in Electrical Vehicles and Mircogrid Applications
	Model-order Reduction Techniques in Robust Control Design
	Signal applications in Power system/Power Electronics
	Machine learning in Power Systems, biomedical or image processing applications
	Load flow and Fault analysis: Smart Distribution Grid; AC/DC Microgrid with Renewable Energy Sources and Energy Storage Elements
	Operation, planning and protection of Microgrids: Grid connected or islanded mode
	Resiliency and Stability of Deregulated Power Systems
	Application of AI Techniques for Planning, Operation and Control Power Systems
	Power Quality Improvement using Grid-connected Converters
	Power Electronics Converters Application
	Machine learning and analytics for power engineering
	Artificial intelligence techniques applications in power electronics and drives
	Power Quality Improvement in AC-DC Converters
	Renewable Integration with EV
	Switched-capacitor multilevel inverters
	Grid-Connected Photovoltaics
	DERs integration
	Operation & control of smart Grid
	Power Systems
	Control Systems
	Electric Vehicle (EV)Integration to Grid
	Power System Dynamics and Voltage Stability Studies
Centre for Energy and Environment	Electricity Markets
	Grid integration of renewables
	Anaerobic digestion process monitoring, control, bioenergetics and modelling
	Biomass conversion to energy and high value chemicals
	Towards net zero energy building: The application potential of photovoltaic-battery wall system
	Net zero energy building.
	Battery energy storage system
	Hydrogen energy storage
	Polymer for energy and environment application
	Degradation of Solar PV systems
	Floating PV systems
	Battery Thermal Management
	RE resource assessment
	Electricity Trading
	Smart Grid Systems
Chemistry	Nano-carbons: Synthesis and Applications
	Matrix isolation IR spectroscopic study of atmospherically important weakly bound molecular complexes
	Modeling the chemical reaction having high multirefernce character.
Chemical Engineering	Experimental and modelling studies on water/wastewater treatment

	Electrochemical Treatment Studies of Wastewater Containing a Pharmaceutical Drug
	Studies on Synthesis of a Reactive Adsorbent for the Removal of a Pharmaceutical and Personal Care Product
	Synthesis of valuable products using marble waste slurry and other calcium based wastes.
	Manufacture of products using solid wastes from multiple process units.
	Study on Organometallics and their Applications in Material Science and Drug Discovery
	Integrated approach for wastewater treatment
	Nanostructured catalyst and its application for wastewater treatment
	Treatment of toxic industrial wastewaters by combined advanced oxidation technologies
	Hybrid advanced oxidation processes for application in wastewater treatment utilizing marble slurry/ mineral waste.
	Nanomaterials for applications in wastewater treatment
	Recovery of Bioactive Compounds from Solid Waste
	Density functional theory simulation on Li-ion battery.
	Mechanistic studies of biogas reforming in Solid oxide cell.
	Synthesis of novel catalyst for Conversion of CO <sub>2</sub> into value-added liquid products
	Biofuels and platform chemicals from waste biomass via green catalytic route
	Microplastics in the environment: Occurrence, Fate, Toxicity, Removal, and its Management.
	Development of sustainable heterogeneous catalyst for the valorization of glycerol.
	Pyrolysis of rubber tires and its desulphurization by cavitation technique.
	Synergistic effect of plastic on biomass pyrolysis
	Molecular dynamics investigations of self-assembly of nanostructures for novel materials development.
	Molecular dynamics investigations of self-assembly of bio-compatible polymeric nano-structures for industrial-waste water purification applications
	Advanced oxidation of wastewater.
	Desulfurization of liquid fuels
	Nanocomposite membranes for industrial gas separation applications
	Nanomaterials for Solar cells
	Waste management
	Pharmaceutical waste treatment by ionic liquid emulsion membrane
	Experimental and Simulation study of Reactive divided wall distillation column
	Multicomponent Distillation in Microchannels and the development of Microchannel Stack.
	Reactive Distillation in Microchannels.
Physics	Squeezed Number states and Quantum optical states in Cosmology
	Astrophysics and Cosmology
	Energy Storage Materials such as Graphene Oxide etc
	Nanocomposite Thin Films Containing Au and Ag Nanoparticles for optical applications

	Electronic Properties of 2D Materials.
	Electronic Properties of Transition Metal Dichalcogenides (TMDs)
	Resurgent Asymptotics in Matrix Models
	Non-perturbative Quantum Field Theory
Civil Engineering	Fate and transport of contaminants in the environment
	Alternative computational approaches in Environmental Engineering
	Electrochemical Treatment of Water for Drinking.
	Electrochemical Treatment of Industrial Wastewater.
	Climate Impact Assessment
	Urban adaptation and mitigation
	Soil erosion assessment and sediment yield of a river system.
	Sustainable management of irrigation water
	Static and Dynamic Soil Structure Interaction
	Environmental Economics for assessment of benefits and costs for pollution control
	Studies on water quality trading in Rajasthan
	Seismic Vulnerability of Structure on Hill slope
	Performance Based Seismic Design of Structure
	Fiber-reinforced self-compacting concrete
	Green mortar using waste materials.
	Structural Engineering-Artificial Intelligence in Structures
	Waste material utilization from industries in building/roads-concrete technology
	Flood Modelling
	Modelling Storm Water Drainage
	Shallow Water Flow with Mobile Bed
	Application of Remote Sensing and GIS for Hydrological Modelling
	Land use land cover change modelling using Agent based modelling, remote sensing and GIS
Development of recycled concrete using waste material	
Recycled waste material as a replacement in Cement production	
National Centre for Disaster Mitigation & Management	Dynamic Analysis of Bridges under High Speed Rails
	Seismic Design of Steel Structures for Mass Housing
	Dynamic Analysis of Bridges under High Speed Rails
	Seismic Design of Steel Structures for Mass Housing
Management Studies	Industry 4.0 and circular Economy Strategies in Optimizing the Reuse Potential of Waste in Agribusiness sector
	Integrated Model for Circular Economy Strategies for A Sustainable Supply Chain
	Behaviour in online/digital environments
	Issues in technology adoption
	Consumer Behavior in value co-creation
	Sustainable service supply chain
	Analytics in HR
	Sustainable & Green HRM
	Sustainable Finance
	Risk Management in Financial Institutions
	Corporate Finance

	Sustainable Finance
Computer Science and Engineering	Deep Web / Dark Web
	Cross domain face recognition
	Tiny face detection and recognition
	Face reconstruction
	Wireless Sensor Network
	Test Generation, Test Architecture, Designing and Testing
	Design Methodology for Machine Learning Architectures
	NOC and Communication-Centric Design
	Cyber security using Machine learning
	Advanced networks and challenges
	Image/Video/Audio/Text processing using AI
	Privacy and Security in Image/Video data using AI
	A Computational Framework for Emotion Analysis in Text
	Multilingual Source Code Analysis
	Security in 5G and Beyond
	AI for Blockchain Security
	Multi Model Machine Learning
	Imbalance learning in Software fault prediction
	Machine Learning with Graphs
	Social Network Analysis using Graph Theory
	Machine-learning based security solutions for IoT, VANET and SDN
	Next generation Vehicular Ad Hoc networks
	Artificial Intelligence/ Machine Learning and Soft Computing.
	Nature Inspired Optimization algorithms and Hybrid Intelligent System.
	Medical Image Analysis and Classification, Deep Learning
	Machine learning, Pattern Recognition, Computer Vision
	Machine Learning/Deep Learning
	Big data analytics
	Cyber Security
	Machine Learning
Application of AI ,ML in Next Generation Advanced Networks	
Internet of Things	
Model built-up in very high resolution satellite data using deep learning technique	
Object detection in Agriculture domain using ML	

<b>Without Scholarship</b>	
<b>Department</b>	<b>Tentative Research Area of proposed Ph.D</b>
Electronics and Communication Engineering	Design of Microstrip Antenna
	Design of FSS, Absorbers, Resorbers
	Design of Metasurfaces & Metamaterials
	Signal conditioning circuit, Mixed signal circuits.
	MEMS Based Sensors
	Digital Filterbank
	Multirate filterbank and applicatiom
	Quantum Computing
	Metasurfaces
	Wideband Microstrip Antennas

	Metasurfaces
	Machine/Deep learning for Computer Vision
	Quantum Machine Learning
	Microelectronic Devices and Sensors
	RF performance of Ferro-FinFET
	TFET as IR sensor
	Cognitive algorithms & Architectures with applications to EDA and NLP
	Design and Development of Biosensor
	Design and Development of Gas sensor
	Analog & Digital VLSI Design
	Nano Electronics Device Modeling and Simulation.
Humanities and Social Sciences	Indian Constitution
	Politics of Secessionism in Different parts of India.
	Social Change and Development; Rural and urban society
	Globalization, Media, Culture and Society
	Energy/Green Economics
	Impact Assessment of Power Sector Reforms; Electricity Markets
Mechanical Engineering	Linkage design for rehabilitation exoskeletons and assistive devices
	Investigation on sustainability of vegetable oil for machining
	Design and development of natural fibre reinforced composite
	Friction Stir Welding Process
	Industry 4.0 Enabled Additive Manufacturing
	Wear performance of nano-structured composite coating
	Design and development of Exoskeleton equipment
	Tribological study of natural fiber based composites.
	Design and development of material for self-adjustable bone tissue using additive manufacturing techniques
	Welding and joining of advanced dissimilar lightweight alloys
	Fault diagnosis of gearbox
	Dynamic modelling and simulation of faulty gearbox
	Fracture Simulation of Piezoelectric Materials Under Thermo-Mechanical Loadin
	Semi-Permeable Crack Anaysis in Piezoelectric Materials
Material Research Centre	Design of graphene derived strong and tough biomimetic superalloy for extreme environment.
	Simulating the dynamics of granular flow in screw conveyors and other transport devices through the discrete element method
	Fabrication and characterization of efficient polymer-based OLEDs
	Development of Biomass derived carbon nanomaterials for redox flow battery
Mathematics	Numerical Investigations of Ordinary Differential Equations
	Computational Scheme for Partial Differential Equations
	Blood Flow With Magnetic Effect
	Magnetohydrodynamic Boundary Layer Flow of Nanofluid
Architecture and Planning	Material sustainability in Planning and Design
	Resource based Planning of Settlements
	Sustainable development.



	Energy and built environment
	Sustainable Development – policy & practice
	Urban Regeneration
	Traditional & vernacular knowledge systems in architecture
	Urban systems and their planning
	Sustainable Habitat
	Sustainable construction practices
	Evaluation of Indoor Spaces for Comfort Assessment
	Visual Communication of Building Façade and Built form.
	Planning for Disaster Resilience
	Construction Project Management
Metallurgical and Materials Engineering	Fabrication and Electrical Characterization of Flexible Varistors
	Additive manufacturing of composites for bioimplants applications
	Diffusion Bonding of CP Titanium and Aluminium Alloys
	Electrodeposition and process parameter studies of Graphene/CNT based metal composites coatings on steel substrate.
	Development of Interpenetrated Phase Nano Composites for enhanced toughness applications
	Use of self assembled nanoparticles for polymer solar cells
	Tandem polymer solar cells
	Structure property correlation of Ti-6Al-4V alloy
	Tribological Behaviour of Graphene Nano-platelets Reinforced Plasma Sprayed High Entropy Alloy Coating
	Development of low alloy carbide free bainitic steel for rail and wheel applications.
	Understanding severe plastic deformation of light metal alloys
Electrical Engineering	Grid tied solar PV inverter
	WIRELESS EV Chargers
	Smart Grid
	Energy management in Microgrids
	Power System Economics
	Artificial Intelligence application for Power System
	Renewable Energy Systems, their Integration in Power System, Optimization and challenges.
	Electric Vehicles, Smart Grid and Applications of AI in EVs and Smart Grid
	Control of Power Electronic Converters in Electrical Vehicles and Mircogrid Applications
	Model-order Reduction Techniques in Robust Control Design
	Signal applications in Power system/Power Electronics
	Machine learning in Power Systems, biomedical or image processing applications
	Load flow and Fault analysis: Smart Distribution Grid; AC/DC Microgrid with Renewable Energy Sources and Energy Storage Elements
	Operation, planning and protection of Microgrids: Grid connected or islanded mode
	Power Quality Improvement using Grid-connected Converters
	Power Electronics Converters Application

	Machine learning and analytics for power engineering
	Artificial intelligence techniques applications in power electronics and drives
	Power Systems
	Control Systems
Centre for Energy and Environment	Energy efficiency in air-conditioning systems
	Thermal comfort assessment and quantification
	Biomass to bioenergy
	Biofuels for future
	E-waste/Battery recycling
Chemical Engineering	Synthesis and application of specialized chemicals for water treatment
	Water/Wastewater treatment using novel hybrid technique
	Novel synthesis of graphene oxide and its composites for wastewater treatment
	Sustainable Ceramic membrane based filtration processes for treatment and reuse of grey water
	Extraction of Organics Using Deep Eutectic Solvents
	Development of sustainable fuel additives to boost the octane number
	Effect of pretreatment methods on biomass valorization
	Molecular dynamics investigations for development of multi-stage industrial-waste water purification system by removal of toxic metallic/organo-metallic contaminants using self-assembling capped CNTs.
	Mineralization of organic wastewater
	Nanomaterials for Solar cells
	CFD modeling of multiphase flow in reactive divided wall distillation column
Physics	Tuning the Properties of Topological Insulators by Ion Implantation
	Development of Metal Hydrides for Hydrogen Compressor Applications.
	Simulating the dynamics of granular flow
	Fabrication of efficient polymer-based OLEDs
Civil Engineering	Fate and transport of contaminants in the environment
	Alternative computational approaches in Environmental Engineering
	Electrochemical Treatment of Water for Drinking.
	Electrochemical Treatment of Industrial Wastewater.
	Watershed modelling
	Beneficial use of recycled material in concrete
	Demolished concrete recycling system based on performance evaluation of waste materials
	Decentralised approach for Solid waste management
	Investigation on properties of two stage concrete
	Evaluation of structural response of concrete slab on grade
	Development of Seismic Capacity Envelope of Foundation on Hill Slope
	Structural Risk assessment and Its Impact on Environment
	Landslide mitigation and slope protection measures for hill roads. Economic analysis.
	Contracts management in highways sector in India.
	Fiber-reinforced self-compacting concrete
	Green mortar using waste materials.

	Structural Engineering-Artificial Intelligence in Structures
	Waste material utilization from industries in building/roads-concrete technology
	Flood Modelling
	Modelling Storm Water Drainage
	Shallow Water Flow with Mobile Bed
	Automatic feature extraction from satellite images
	Environmental disaster risk assessment and modelling using GIS
	Mathematical formulations for concrete structures
	Waste material utilization in diverse structural elements
	Soil stabilization using waste materials
	Behavior of randomly distributed fiber and geosynthetics reinforced soils
Management Studies	Industry 4.0 and circular Economy Strategies in Optimizing the Reuse Potential of Waste in Agribusiness sector
	Integrated Model for Circular Economy Strategies for A Sustainable Supply Chain
	Behaviour in online/digital environments
	Issues in technology adoption
	Consumer Behavior in value co-creation
	Sustainable Consumer behavior
	Analytics in HR
	Employee Engagement, Retention and Performance
	Fintech adoption
	Financial Economics
	Corporate Social Responsibility
	Strategies for Sustainable Business Management
	Well-being and Behavior
	HR Analytics
	Corporate Finance
Sustainable Finance	
Computer Science and Engineering	Wireless Sensor Network
	Test Generation, Test Architecture, Designing and Testing
	Design Methodology for Machine Learning Architectures
	NOC and Communication-Centric Design
	Cyber security using Machine learning
	Advanced networks and challenges
	MAC protocol for 6G Communication
	Cognitive radio based 5G and beyond
	Machine Learning with Graphs
	Social Network Analysis using Graph Theory
	Smart IoT centric healthcare solutions
	Cyber security
	Artificial Intelligence/ Machine Learning and Soft Computing.
	Nature Inspired Optimization algorithms and Hybrid Intelligent System.
	Medical Image Analysis and Classification, Deep Learning
	Machine learning, Pattern Recognition, Computer Vision
	Artificial Intelligence
	Machine learning/ Deep Learning
	Deep Learning in Smart Grids
	Chat Bot implementation

<b>PhD Topic (With own scholarships (NET/JRF etc.))</b>	
<b>Department</b>	<b>Tentative Research Area of proposed Ph.D</b>
Electronics and Communication Engineering	Wideband Microstrip Antennas
	Metasurfaces
	Machine/Deep learning for Computer Vision
	Quantum Machine Learning
	Machine Learning and Nature Inspired Optimization
Humanities and Social Sciences	Political Institutions in India.
	Modern Administration and Governance in India
Mechanical Engineering	Design and Development of Assistive Devices for Upper limb
Material Research Centre	Development of gel-based systems for adsorption of pollutants from wastewater.
	Synthesis and applications of metal-organic framework-Carbon nanocomposites
	Engineering defects to modulate the phonon thermal conductivity of thermoelectric materials.
	Improving thermoelectric properties of double half huesler using doping and nanostructuring.
	Simulating polymer dynamics under the dilute, semi-dilute and concentrated regimes
	OLED/OPD integrated chemical and biological sensors
	Integrated multi-sensor platform using dual electrochemical and optical detection for on-site pollutant detection in water
Mathematics	Numerical Investigations of Ordinary Differential Equations
	Computational Scheme for Partial Differential Equations
	Blood Flow With Magnetic Effect
	Magnetohydrodynamic Boundary Layer Flow of Nanofluid
	Spaces of Semicontinuous Functions
	Uniform Spaces
	Mathematical analysis of convective flows.
	Stability of dynamical systems.
	A study on complementarity properties for complementarity problems.
	A study on Spectra of Graphs
Electrical Engineering	Resiliency and Stability of Deregulated Power Systems
	Application of AI Techniques for Planning, Operation and Control Power Systems
	Machine learning and analytics for power engineering
	Artificial intelligence techniques applications in power electronics and drives
Centre for Energy and Environment	Electricity Trading
	Smart Grid Systems
Chemistry	Green synthesis of nanomaterials for Pollutant detection and Remediation of water
	Doped Carbon Materials for ion sensing and imaging
	Green nanocomposite for industrial applications
	Development of nanomaterials for detection of antibiotic resistant Bacteria
	Photoactive Nano-materials

	Investigation of atmospherically important heterogeneous reactions using matrix isolation IR spectroscopy
	Stereoselective Synthesis of Carbohydrate scaffolds of Medicinal importance.
	Stereoselective Glycosylation for the Synthesis of glycoconjugates employing Greener methods.
	Designing a chiral library containing heterocyclic ring on Sugar molecule using green protocols
	Fate of N <sub>2</sub> O in atmosphere
	Green Metal organic framework for Environmental applications
	Transition metal based green nanomaterials for industrial applications
	Nanomaterials for environmental remediation
	Nanomaterials for energy production
Physics	Squeezed and Displaced squeezed number states in Cosmology
	Highenergyphysics and Cosmology
	Electromagnetic Shielding for space applications
	Organic Solar Cells and enhancement in efficiency using different device architectures
	Development of Ultrasensitive Electrochemical Sensors.
	Si-based Nanostructures for Supercapacitors and High-Performance Batteries.
	Antibacterial Activities of Nanocomposites.
	Low temperature Studies of Transition Metal Dichalcogenides (TMDs).
	Simulation of polymerdynamics
	Organic-Inorganic hybrid functional nanomaterials
	Generalizing the Gross-Witten-Wadia model and its relation to QCD
	Resurgence in Quantum Field Theory
Management Studies	Behaviour in online/digital environments
	Issues in technology adoption
	Consumer Behavior in value co-creation
	Sustainable Consumer behavior
	Analytics in HR
	Sustainable & Green HRM
	Sustainable Finance
	Financial Economics
	Corporate Social Responsibility
	Strategies for Sustainable Business Management
	Well-being and Behavior
	HR Analytics
	Corporate Finance
	Sustainable Finance
Computer Science and Engineering	Medical Image Analysis and Classification, Deep Learning
	Machine learning, Pattern Recognition, Computer Vision
Civil Engineering	Flood Modelling
	Modelling Storm Water Drainage
	Shallow Water Flow with Mobile Bed

<b>PhD Topic without scholarship (Only for Research personnel presently serving in various projects in MNIT Jaipur)</b>	
<b>Department</b>	<b>Tentative Research Area of proposed Ph.D</b>
Humanities and Social Sciences	Indian Constitution
	Political Organization
Electrical Engineering	Distribution System Planning
Chemical Engineering	Development of Intelligent Control of Heat Integrated Reactive Dividing Wall Column for Synthesis of Methyl Acetate
Civil Engineering	Hydrological modelling of AID Watershed
	Earthquake Disaster Risk index for Different Cities in India
	GIS based Earthquake Disaster Risk index for Different Cities in India
Computer Science and Engineering	Face aging and style transfer
	Cross ethnicity face aging and recognition
	Disruptive event prediction based on Continual Machine Learning
	Medical Image Analysis and Classification, Deep Learning
	Machine learning, Pattern Recognition, Computer Vision

**10. MINIMUM QUALIFICATION(S) FOR ADMISSION TO M.TECH./M.PLAN. SPONSORED (FULL TIME/PART TIME) Table 3**

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

3.	<b>Civil Engg.</b>	<b>Environmental Engg.</b>	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.	<b>Civil Engg.</b>	<b>Transportation Engg.</b>	B.E./B.Tech. in Civil Engg., Construction Engg., Construction Technology, Highway Engg., Transportation Engg., Transportation & Urban Planning, Civil Engineering & Planning, Civil Technology.
5.	<b>Civil Engg.</b>	<b>Structural Engg.</b>	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.	<b>Civil Engg.</b>	<b>Disaster Assessment and Mitigation</b>	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.	<b>Electrical Engg.</b>	<b>Power Systems</b>	B.E./B.Tech. in Electrical Engg.
8.	<b>Electrical Engg.</b>	<b>Power Systems Management</b>	B.E./B.Tech. in Electrical Engg.
9.	<b>Electronics &amp; Communication Engg.</b>	<b>Electronics &amp; Communication Engg.</b>	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.	<b>Electronics &amp; Communication Engg.</b>	<b>VLSI Design</b>	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.	<b>Mechanical Engg.</b>	<b>Industrial Engineering</b>	B.E./B.Tech. in Mechanical Engg., Industrial Engg., Industrial Engg. & Management, Industrial & Production Engg., Production & Industrial Engg.,

			Production Engg., Production Engg. & Management.
12.	<b>Metallurgical &amp; Materials Engg.</b>	<b>Metallurgical &amp; Materials Engg.</b>	Mechanical Engineering, Production Technology, Production Engineering, Manufacturing Technology, Manufacturing Science & Engineering, Industrial Metallurgy, Materials Science, Materials Science and Engineering, Materials Engineering, Materials & Metallurgical Engineering, Metallurgical & Materials Engineering, Metallurgical & Materials Technology, Metallurgical Engineering, Metallurgical Engineering & Material Science, Metallurgy, Metallurgy & Materials, Metallurgy and Material Technology, Polymer Engineering, Polymer Science and Technology, Polymer Engineering and Technology, Ceramic Engineering, Ceramic Engineering & Technology, Ceramic Technology, Materials & Metallurgical Engineering, Mechanical Engineering, Metallurgical & Materials Engineering, Metallurgical & Materials Technology, Metallurgical Engineering & Material Science, Metallurgy
13.	<b>Metallurgical &amp; Materials Engg.</b>	<b>Steel Technology</b>	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.	<b>Computer Science &amp; Engg.</b>	<b>Computer Science &amp; Engg.</b>	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.	<b>Architecture &amp; Planning</b>	<b>Master of Planning (Urban Planning)</b>	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.	<b>Material Research Centre</b>	<b>Material Science &amp; Engineering</b>	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.	<b>Centre for Energy &amp; Environment</b>	<b>Renewable Energy</b>	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

## 11. 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 2021-2022)**

Programme	Full Time Sponsored	Part Time Sponsored
Chemical Engineering	5	6
Computer Engineering	5	6
Disaster Assessment and Mitigation	5	6
Electronics & Communication Engineering	5	6
Environmental Engineering	1	6
Industrial Engineering	5	6
Metallurgical & Materials Engineering	5	6
Material Science & Engineering	5	6
Power Systems	5	6
Power Systems Management	5	6
Steel Technology	5	6
Structural Engineering	5	6
Transportation Engineering	5	6
Urban Planning	5	6
VLSI Design	5	6
Water Resources Engineering	5	6
Renewable Energy	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**

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

## 12. GENERAL INFORMATION

- Admission will be to the first semester of the respective postgraduate programmes.
- Admission to various PG programmes leading to M.Tech./M. Planning 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.**
- 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.
- 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.
- 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 certificate should have been issued after **March 31, 2021**.
- (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 last date for online application is 30-06-2021 (till 5.00 PM)**
- (6) **The candidate should be ready with all original documents and PG dissertation thesis at the time of interview for PhD admission.**

**13. FEES**

Updated Fees structure will be available on Institute website ([http://www.mnit.ac.in/academics/fee\\_structure.php](http://www.mnit.ac.in/academics/fee_structure.php))

**14. 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.

**15. 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.

**16. 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. **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 of the following certificates have to be produced at the time **of online/offline 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 Full-time course applicants only).
  - 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. **A statement of purpose (only for those who are applying for Ph.D.) including research idea in not more than 300 words. This SOP will have due weightage during process of screening/selection. This has to be compulsorily filled in the online application.**
- 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.

### **Important Dates**

**Start Date of Online Application :- 04/06/2021**

**Last Date and Time for submission of Online Application form :- 30/06/2021 (till 5.00 PM)**

**Provisional list of shortlisted/eligible candidates for online/offline written test/interview will be displayed on Institute website by 09/07/2021.**

**Dates of written test (online/offline) :- 26/07/2021 to 27/07/2021**

**Dates of Interview(online/offline) :- 27/07/2021 to 28/07/2021 of the shortlisted candidates**

**Final Result :- 09/08/2021**

**Note :-**No separate interview letter will be issued, the mode (online/offline) of written test and interview will informed 15 days before the examination.

**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

## ANNEXURE III

**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 last .....years 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: .....	Signature of Head of the Institution/Organization with seal
Date:.....	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/ 3 semesters for part-time Ph.D. programme, while total duration is expected to be 3 years for part time M.Tech./ 5 years for part-time Ph.D.

Place: .....	Signature of Head of the Institution/Organization with seal
Date:.....	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 .....

## Annexure VII

**FORMAT FOR OBC [NCL] CERTIFICATE**  
TO BE PRODUCED BY OTHER BACKWARD CLASSES

[This certificate **MUST** have been issued on or after 1<sup>st</sup> April 2021]

**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 1<sup>st</sup> 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, 2021.

**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 <sup>1st</sup> District Magistrate/Collector/Deputy Commissioner /Additional Deputy Commissioner/Dy. Collector/ \_\_\_\_\_ 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:

<b>Name and Seal of Member</b>	<b>Name of Seal of Member</b>	<b>Name and Seal of the Chairperson</b>

**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/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

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:	<b>Ph.D.</b>
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 & ASSET CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS**

Government of .....

(Name &amp; Address of the authority issuing the certificate)

**[This certificate MUST have been issued on or after 1<sup>st</sup> April 2021]**

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 Head of Departments**

<b>S. No.</b>	<b>Academic Department</b>	<b>Email</b>	<b>Phone Number (STD Code 0141)</b>
1	Architecture & Planning	hod.arch@mnit.ac.in	2591164
2	Center for Energy & Environment	hod.cee@mnit.ac.in	2713211
3	Chemical Engg.	hod.chem@mnit.ac.in	2299711
4	Chemistry	hod.chy@mnit.ac.in	2521635
5	Civil Engg.	hod.ce@mnit.ac.in	2713379
6	Computer Science & Engg.	hod.cse@mnit.ac.in	2713418
7	Electrical Engg.	hod.ee@mnit.ac.in	2713398
8	Electronics & Communication Engg.	hod.ece@mnit.ac.in	2713222
9	Humanities & Social Science	hod.hum@mnit.ac.in	2713396
10	Management Studies	hod.dms@mnit.ac.in	2713345
11	Mathematics	hod.maths@mnit.ac.in	2713213
12	Mechanical Engg.	hod.mech@mnit.ac.in	2713330
13	Metallurgical & Materials Engg.	hod.meta@mnit.ac.in	2713140
14	Physics	hod.phy@mnit.ac.in	2713114
15	National Centre for Disaster Mitigation and Management	hod.ncdmm@mnit.ac.in	2713551
16	Materials Research Centre	hod.mrc@mnit.ac.in	2713568