INFORMATION BROCHURE

for admission to

DOCTOR OF PHILOSOPHY- Ph.D.

MASTER OF TECHNOLOGY - M. Tech.

MASTER OF PLANNING - Urban Planning

(2019-2020)

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

JAWAHAR LAL NEHRU MARG, MALVIYA NAGAR, JAIPUR-302017 (RAJASTHAN)

http://www.mnit.ac.in

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Web Site: www.mnit.ac.in

Application has to be filled online
(Link available at www.mnit.ac.in).

Start Date of Online Application	**:-**	**02/05/2019**
Last Date of submission of Online Application form	**:-**	**23/05/2019**

Provisional list of shortlisted/eligible candidates for written test/interview will be displayed on Institute website by 03/06/2019.

Date of written test	**:-**	**10/06/2019 to 12/06/2019**
Interview of the shortlisted candidates in the respective department	**:-**	**11/06/2019 to 13/06/2019**

(No separate interview letter will be issued)

Also refer to Rules and Regulations manual for PG programmes for more details given on website mnit.ac.in.

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 800 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). In exceptional cases, brilliant candidates with CGPA of more than 9 (85% marks) in Bachelors degree in Engineering/Architecture may be recommended by DPGC to SPGB for admission in Ph.D. program.

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 2019-20. For more details and information brochure, please visit the website 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 with CGPA of more than 9 (85% 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-X.

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

Table 1 : Minimum qualification(s)

Department	Minimum Educational Qualification
Architecture & Planning	Masters degree in Architecture/Planning/Technology in relevant discipline.
Chemical Engineering	B.Tech./M.Tech. or equivalent degree in Chemical Engineering, B. Tech./ M.Tech. or equivalent degree in any branch of Engineering/Chemical Technology and interdisciplinary areas.
Chemistry	M.Sc. in Chemistry/ Medicinal Chemistry / Pharmaceutical Chemistry/ Environmental Chemistry/ Biochemistry/ Biotechnology and related disciplines with chemistry as one of the optional subject.
Civil Engineering	M.E./M.Tech. degree in relevant engineering discipline
Computer Science & Engineering	B.E./B.Tech. in 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
Electrical Engineering	M.E./M.Tech. or equivalent degree in respective & relevant Engineering disciplines
Electronics & Communication Engineering	B. Tech. and M. Tech. Electrical/ Electronics/ Computer/ Communication/ Telecommunication/ Instrumentation/ Control/ Microelectronics or equivalent discipline consistent with research areas of department.
Humanities and Social Sciences	M.A./M.Com. or equivalent degree 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.

Mathematics	M.A./M.Sc. in Mathematics/Computer Science/Statistics
Mechanical Engineering	B.Tech./M.Tech. degree or equivalent degree in Mechanical/Industrial/ Production Engg. B.Tech./M.Tech. degree/ disciplines consistent with the research areas of the department.
Metallurgical & Materials Engineering	B.E. / B.Tech degree in Metallurgical/ Materials / Mechanical /Chemical/ Ceramic Engineering/ Manufacturing / Production Engineering with M.E. / M.Tech degree in Metallurgical/ Materials / Ceramic Engineering/ Thermal Engineering or equivalent degree in relevant engineering disciplines.
Physics	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
Centre for Energy and Environment	B.Tech./B.Arch. With post graduation in relevant discipline
National Centre for Disaster Mitigation and Management	Under Graduate: civil engineering/Architecture Graduate: Structural engineering/Earthquake Engineering or any other branch of civil/architectural Engineering
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).
Materials Research Centre	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 **OR** B Tech / BE (from other reputed Institutions of National importance) with CGPA of 8.5 and above, are eligible to apply. 3. M.Sc in Materials Science/Physics/Chemistry Polymer Technology, Electronics, Nanotechnology. Or equivalent Master's degree in allied areas.

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

9. AVAILABLE RESEARCH AREAS IN VARIOUS DEPARTMENTS

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

Tentative Ph.D. Topic	
Department	**Topics**
Mechanical Engineering	Development and characterization of metal based composites.
	Post Processing of Additively Manufactured Parts
	Foot Orthosis: Design, Analysis, Development and Implementation.
	Intelligent Manufacturing Systems
	Tribological and Machining characteristics of Aluminium alloy composites.
	Mechanical and Tribological characteristics of polymer composites
	Design and develoment of bio-composites
	Stability and sustainability studies on fourth generation biodiesels
	Heat transfer enhancement using passive techniques
	Design and Development of Customised Implants for C1 /C2 Spinal Abnormailities
	3D Printed Microfluidics
	Development of Green Lean Six Sigma (GLSS) framework/model for small and medium enterprises (SMEs)
	Lean Manufacturing Enabled by Additive Manufacturing
	Design, Development and optimisation of SAW and MIG hybrid welding process
	Design, development and optimisation of tubular electrode consumables
	Design improvements through engineering analysis in small scale industries for human comfort
	Mechanical and tribology analysis hydroturbine blade
	Multi-plant planning and scheduling for circular economy using Agent Technology
	Retrofitting Supply chain for additive manufacturing
	Linkage design for rehabilitation exoskeletons and assistive devices
	Machinability of high entropy alloy
	Experimentations and Modeling of Hybrid Electro Discharge Centre less Grinding
	Multiagent Systems for Project Scheduling
	Hybrid solar thermal systems to meet thermal needs.
	Improved evaporative cooling system.
	Some investigations on newer machining methods
	Ergonomic Evaluation and Design of Hand Tools in Small Scale Industries
	Ergonomically Design of Agricultural Tools
	Design and Development of ECDM setup for Machining of Non-Conductive Materials
	Fabrication, Characterization and Machining of Bio-Material Alloys for Medical Application
	Finite element analysis of multi-pass GMA welding
	Dissimilar welding
	Modeling and simulation of abrasive flow machining
	Design and development of micro heat exchangers
	Analysis of Sustainable manufacturing strategies and evaluation of sustainable indicators
	Modeling of Lean manufacturing and adopting challenges and driver for manufacturing industries
	Some investigations of ASAW weldment with HSLA
	Design, Development and optimisation of wear plate manufacturing for abrasion resistance alloys
	Maintenance Planning for Complex System

	Modeling and Simulation of Thermal Systems
	Assessment of Sustainability in Various sectors
	Inter-relationship between Industry and circular economy
	Wear analysis of Bio-Material
Electronics & Communication Engineering	Applications of Graph signal processing to images
	Computational Modeling of the Triboelectric Effect for Space Reentry Vehicles.
	MEMS devices for biomedical applications
	MEMS, Nano devices, Image processing
	Design, Analysis and experimental Characterization of flexible microwave absorber for Wireless Communication Systems
	Design and investigation of circularly polarized antenna array for wireless communication systems
	Applications of Graph signal processing to biomedical signals
	CNTS thin film for device application
	Nanophotonics for sensor applications
	All optical device design for integrated photonic applications-I
	Emerging nanodevices – simulation, modeling, fabrication
	Machine learning in medical imaging
	Microstrip Antennas For Future Wireless Applications
	Machine Learning, Deep Learning, Biomedical Signal Processing, Optimization
	Cognitive algorithms & Architectures with applications to EDA
	Cyber security, Computer Vision, Machine learning/Deep learning applications, Medical Imaging, Agriculture Imaging
	Design and Development of ZnO based Bio-FET
	Multi objective Data Clustering, Nature inspired optimization Algorithms
	Advanced Computational Electromagnetic Techniques for the Numerical Dosimetry
	Nanostructured Photonic Bio-sensor
	Nonlinear Optical Processes in nanophotonics
	Surface Plasmon Resonance based Sensors
	Signal conditioning circuit, low power mixed signal circuits.
Metallurgical and Materials Engineering	Synthesis and characterization of Ti based bulk metallic glass using powder metallurgy route
	Diffusion bonding of CP Titanium and Al alloys
	Synthesis and characterization of high performance aluminium alloys/composites for transportation industries.
	Development of Gradient Distribution of Nanodispersiods In Metals
	Study on Carbon Nanotubes Reinforced Polymer Nanocomposites for Aerospace Application
	Fabrication and Electrical Characterization of Flexible Varistors
	Synthesis and characterization studies of GO-high entropy nanocomposite coatings on Steels
	Synthesis and characterization studies of graphene oxide based nano composite
	Studies of simulant materials for nuclear reactor
	Corrosion protection of carbon steel using hydrotalcite/graphene oxide nanohybrid coating
Chemical Engineering	Application of Lipases for value added products in Pharma sector
	Experimental studies on bubble column reactor
	Development of latent heat storage material for energy storage

	Experimental and modelling studies for comparison of different controlled release fertilizers.
	Process Intensification using Dividing wall column: Simulation and parametric studies.
	Experimental and Theoretical Investigation for the Treatment of Wastewater using Adsorption
	Extraction of phenolic compounds from plants and herbs using cavitation
	Desulfurization of liquid fuels
	Study on Membrane fouling in Bioethanol Production in MBR system.
	Model based control of fixed bed reactor and membrane separation of products
	Development of novel catalysts from waste material for application in advanced wastewater treatment techniques
	Studies on synthesis of reactive adsorbent (s) from waste material for removal of bio-refractory contaminants
	Synthesis of submicron PCC particles by gas absorption in bubble column and stirred reactors.
	Development of value added products from wastes.
	Application of statistical methods and process models for design and improvement of waste water treatment plants
	Mathematical modeling and experimental study on recovery of volatile organic compounds using Air Gap Membrane Distillation
	Removal of waste from supported liquid membrane
	Wastewater treatment by Electrochemical advanced oxidation process
	Synthesis of solar light driven photocatalysts for removing organic pollutants
	Development of novel nano catalyst for the treatment of industrial wastewater treatment
	Reduction of CO2 into syn gas, hydrocarbon fuels and commodity chemicals by various methods.
	Hydrodynamic study of anaerobic membrane bioreactor for wastewater treatment and fouling mitigation.
	Catalysis and kinetics of plastic pyrolysis
Chemistry	Metal-Free, Organocatalytic C-H bond activation: Synthesis, Chemistry, Methodology Development and its practical application towards the Synthesis of bioactive heterocycles.
	Greener synthetic aspects for general and selective organic transformations
	Design of new complexes as precursors to functional nanomaterials: Synthesis, characterizations and property evaluations.
	Doped Nano-carbons for Muliple Applications
	Impact of amine radical on atmospheric important reactions.
	Elucidation of reaction mechanism involving metastable species by use of matrix isolation infrared spectroscopy
	Designing and Development of Methods in Synthetic Organic Chemistry using Greener reagent system.
	Organic and Metal-Organic moieties as *near-infra red* Absorbers for the efficient harvest of Sun Light.
	Developing catalysts and synthetic routes for the conversion of carbonates into industrially relevant C_1 building blocks
	Photo-Functional coordination Complexes- Syntheses and Computational aspects.
	Source and degradation studies on emerging pesticides.
	Greener approach for the synthesis of bio-active heterocyclic compounds.

	Metal Complexes; Design, synthesis and biomedical applications.
	Design and Synthesis of Low Cost Photonanocatalyst for Waste Water Treatment
	Development and Study of Novel Nanocomposites as Corrosion Inhibitors
	Synthesis and Development of Chromogenic and Flurogenic Chemosensors for Ion Detection
	Novel Nanocomposites as Sustainable Adsorbents for Removal of Heavy Metals From Water
	Development of New Synthetic Methodologies: Application to the synthesis of bioactive natural products/therapeutics/drug candidates.
	Metal mediated activations of small molecules: Unusual formation of value added organic motifs.
	Photocatytic Applications of Carbon Nanomaterials
	Fullerene and carbon nanotube as a means of confinement to study chemical reactions.
	Spectroscopic investigation of atmospherically important weakly bound molecular complexes
	Stereoselective Synthesis of Carbohydrate /heterocyclic analogs of therapeutic importance.
	Photo-Catalytic Hydrogen Generation- Artificial Leaves.
	Analytical methodologies and fate studies on bromated flame retardants.
	Acetalization and thioacetalization of multifunctional α, β-unsaturated carbonyl compounds.
	Self-Supported Porous Transition Metal Phosphides as an Efficient Electrocatalyst for Hydrogen Evolution Reaction
	First-row Transition Metal Based Metal Organic Frameworks for Carbon Dioxide Reduction
Civil Engineering	Sustainable materials for canal linnning
	Optimization of structures using genetic algorithm or other techniques
	Waste material utilization from industries in building/roads
	Sewage treatment in wetlands with emphasis on antibiotic resistance
	Performance study and characterization of bituminous mixes
	Rejuvenating Agents with RAP in HMA
	Recycled material for Cement Concrete Roads
	Soil stabilization using waste materials
	Use of Nanocomposite material in concrete
	Functionally graded concrete
	Composite Mechanics for an Engineering Problems using numerical techniques.
	Pavement analysis with new material (waste materials)
	Study of Urban Travel Pattern for Transportation Planning.
	Drainage studies of Western Rajasthan
	CC impact assessment on Hydrology
	A Study on concrete with marble waste as fine aggregate.
	Application of Sustainability/Life cycle performance assessment methods for assessing sustainability of products/systems in built environment
	Effect of climate change over rainfall/runoff in selected basin
	Aspects of noise pollution at selected locations (outdoor/indoor) and preventive measures Strategies for waste minimization for as sustainable future
	Studies on water quality trading in Rajasthan
	Water footprint for Kharif crops in rajasthan

	Conceptual design of structures using artificial intelligence
	Optimization of structures using genetic algorithm or other technique Waste material utilization from industries in building/roads
	Air quality monitoring and modeling using special sensors
	Integrated Water management Modelling
	Assessment of climate change impacts on water resources
	Urbanisation and its impact on ecology
	Evaluation of modified Binder(Nano and Polymer modified binder)
	Soil stabilization using reinforcing materials
	Use of solid waste material in concrete
	Fibre Reinforced SCC
	Reactive Powder Concrete
	Utilization of waste materials in concrete
	Impact of Climate Change on Water Availability of Bisalpur Reservoir
	Sustainable use of stone mining waste for manufacturing and testing of new products.
	Study of an Identified Highway Corridor for Road Safety Audit/Aspects.
	Geotechnical and Geoenvironmental aspects of Construction/ Stone Industry waste in Ground Improvement Techniques
	Application of Geosynthetics and its modeling in Soil Stabilization
	A Study on properties of mortars containing industrial waste
	A comparative study for performance evaluation of conventional bituminous mix and mix using plastic waste for rural roads
	Sustainable solution to Construction-Demolition/ Industrial waste by developing low impact material and its sustainability assessment
	Investigation of Urban heat island over Indian cities and study of different parameters/measures affecting UHI
	Air quality monitoring (indoor/outdoor) at selected microenvironments and consequent health impacts
	Environmental Economics for assessment of benefits and costs for pollution control
	Electrocoagulation for water treatment
	Application of remote sensing techniques for environmental monitoring using sensors
	Sustainable solution to Construction-Demolition/ Industrial waste by developing low impact construction material
	Decision Support method/strategies for Construction-Demolition waste management/ valorization
	Application of Sustainability/Life cycle performance assessment methods in construction and environment
	Use of PRBs in groung water remediation
Materials Research Centre	Design and Synthesis of Low Cost Photonanocatalyst for Waste Water Treatment
	Development and Study of Novel Nanocomposites as Corrosion Inhibitors
	Synthesis and Development of Chromogenic and FlurogenicChemosensors for Ion Detection
	Novel Nanocomposites as Sustainable Adsorbents for Removal of Heavy Metals From Water
	Two dimensional nanostructures and their applications
	Structure Property Relation for ECAP Process using MD Simulation.
	Quantum dots based white light emitting materials for sensing applications.

	Design and Synthesis of Low Cost Perovskite based Electrocatalysts for Alkaline Fuel Cells
	Solar Redox Flow Battery: The Capture, Storage and Recovery of Renewable Solar Energy
Physics	Dark matter and neutrino masses from cosmic microwave background and large scale structure observations (Theory).
	Metal Organic Framework Derived Materials for Metal Ion Batteries
	Integrated Electrochemical Device based on Earth Abundant Materials for Energy Conversion and Storage
	Carbon Encapsulated Metal Chalcogenides for Energy Storage Applications
	Solar Driven Water Splitting for Green Energy Solution
	Design and development of low cost filters for in situ water quality monitoring systems
	Transition metal based materials for energy conversion and storage
	High-Efficiency Photoelectrocatalytic Systems for Hydrogen Generation
	MOF-Based Encapsulated Metal oxide Nanostructures for in situ Gas Sensing and separation
	Large-area synthesis of high-quality and uniform MoS2 films for uses in digital electronics.
	Studies of local electronic properties of 2D materials by Scanning tunneling microscopy and spectroscopy (STM/S).
	Surface Properties and Surface Characterization of Molybdenum disulfide (MoS2)
	Local electronic density of states (LDOS) of strongly correlated systems by Scanning tunneling microscopy and Spectroscopy (STM/S).
	Fundamental studies of Solid-Electrolyte Interfaces in metal-ion/air batteries.
	Surface and electrochemical studies of electrodes and polymer membranes in Polymer Electrolyte Membrane Fuel Cells.
	Ion-irradiation studies of carbon based nanocomposite thin films.
	Nanostructures for gas sensing applications
	Transparent conducting thin films/structures
	Role of Flux Emergence in Solar Flares & Coronal Mass Ejection through Interference Region Imaging Spectrograph.
	Deviation from General Relativity in Orbits of Compact Binary Pulsars
	Study the physics of eta meson (Experimental High Energy Physics)
	Testing theories of modified gravity from cosmology (Theory).
	Models of inflation in the light of cosmic microwave background and large scale structure observations (Theory).
	Earth-Abundant Next-Generation Materials for Supercapacitors and Batteries
	Oxide Nanostructures for Visible Light Photo-Electrochemical (PEC) Water Splitting
	High-Pressure Studies on Magnetically Doped Topological Insulators
	Low temperature magneto transport properties of superconductors under high pressure
	Development of hydride based anode/electrolyte materials for high capacity Li/Na batteries
	Nanoporous membranes derived from block copolymers for energy and biological applications
	Self-assembled block copolymer nanotemplates for optoelectronics application
	Nanostructured membranes comprising self-assembly of conjugated polymers for gas separation and sensing

	Polymer based biomimetic fingerprints for anti-counterfeiting approach
	Scanning tunneling microscopy and spectroscopy (STM/S) studies of electronic properties of chemically/mechanically exfoliated MoS2 layers
	Controlled synthesis and scanning tunneling microscopy Study of Graphene and Graphene- based heterostructures
	Synthesis and modification of nanostructured perovskite thin films
	Development and electrochemical studies of electrode materials in metal-air batteries.
	Development of catalyst support materials for fuel cell applications.
Management Studies	Behvioural Finance Applications in Corporate Finance
	Linkage between Financial Education, Financial awareness and Financial Planning among Indians
	Enablers and Barriers of Research Productivity among Indian Academia.
	Supply Chain Financing Practices of SMEs in India
	Understanding personality and consumer behavior
	Responsible tourist behavior at heritage sites
	Organisational Citizenship Behaviour and Environmental Performance
	Sustainable Development through Green HRM
	Impact of Digitization of Human Resources on Employee Retention in Organisations
	Investigation of Supply Chain Excellence Initiatives in SME's
	Empirical Investigation of Operational Excellence in SME's
	Implementation of Lean Excellence initiatives in SME's
	Technology adoption behavior
	Behavior in digital environments
	Psychological empowerment: impacts on individual and organizational level outcomes
	HR Scorecard: Designing
	Organizational effectiveness: Role of HR
	Employee engagement and retention
	HR Analytics and organizational effectiveness
	Artificial intelligence and HRM
	Linkage between Corporate Finance and Stock Market Liquidity
	Linkage between liquidity risk and returns.
	Designing International Portfolios using MSCI indexes Crypto currencies
	Forex Markets return and risk determinants
Electrical Engineering	Development of Control Scheme for Power Quality Improvement, Control Scheme for EV Applications. Planning and Operation of Efficient RES System with/without Grid Integration
	Integration of Electric Vehicles in Distribution Systems Planning and Operation of micro-grid/smart-grid
	Interval systems; Control applications in engineering systems; Applications of optimization in smart grid; Desalination systems
	Load flow and short circuit analysis of unbalanced distribution system with DG sources and transformer models; Optimum sizing and siting of renewable energy sources (wind and solar energy)
	Power System Dynamics and Voltage Stability Studies, Integration of Electric Vehicle in distribution system, Application of FACTS devices to power systems, Renewable Integration in Power Systems
	Reliability Assessment of Power Systems with Distributed Generation,

	AI Applications to Planning, Operation & Control of Power Systems
	Integration of Renewable Sources with Energy Storage System, Grid Connected Inverter Control for Distributed Generation, Design and Control of DC Microgrid.
	Nonlinear systems and control, System Identification and adaptive control, Control system concepts to Smart grids
	Distributed Energy Resources Integration in Smart Grid, Power Quality, Energy Management in Smart grid, Fault diagnosis in Distribution System, Electric Vehicles
	Computational Intelligence, Application of signal and image processing, Control applications
	Power Electronics, Power system, Renewable energy sources, Computational Intelligence, Battery charging
	Data Analytics for Power Systems Operation, Demand response aggregation for ancillary services, System Operation with Electric Vehicle Integration
	power system operation and control, Power system Dynamic analysis, Grid management in modern power systems
	Machine learning and Data Analytics, Smart Grid, Intelligent Control, Power management, Smart Homes
Architecture & Planning	Study of Ecological areas and urbanization in Indian Towns/Cities
	Design of habitat /settlement for climate consciousness
	Energy conscious urban planning/Design
	Material sustainability in Planning and Design
	Urban Design
	Urban Planning
	Urban Infrastructure,
	Environmental Planning
	Water systems
	Conservation and Heritage
	Energy efficient development and comfort
	Sustainable Urban Development and Livability
	Urban Infrastructure Management
	Planning for pilgrim city
	Planning for industrial development
	Geoinformatics and smart city solutions
	Development in Disaster prone Areas
	Vernacular architecture and sustainable Development
	Development Regulations and Built environment
	Sustainable Urban Development
	Urban Infrastructure Planning
	Quality of Life
	Urban Growth and Land Management
	Sustainability and Traditional Knowledge systems in Architecture and Planning,
	Planning intervention for heritage settlements
	Computational approach for decision making in Architecture and Planning
	Assessment of housing delivery methods in ClassI cities.
	Alternative construction practices
	Assessment of Houseform and community spaces in post-industrial vernacular settlements.
	Spatial analysis and assessment of urban form
	Assessment of Building Envelope Design

	Evaluation of Indoor Spaces
	Urban Design for Sustainable Built Environment
Humanities & Social Sciences	Re-tellings and Adaptations of Literary Texts in Films
	A Critical Study of Writing from the Margins: North Eastern Literature
	The Politics of Language and Culture in Fiction/Drama
	Identity and Environment
	Giving voice to the "other"
	Impact assessment of Public Policy
	Technology Diffusion
	Gender Inclusion in Public Policies
	Role of Higher education in Sustainable development
	Role of Renewable Energy Sources for Attaining Sustainable Energy Security in India
	Impact Assessment of Power Sector Reforms in India
	Dynamics of Growth: Cross-Country Analysis
	Role of Economic & Political Institutions in Economic Growth of a Nation
	Economic growth and convergence in the world economies: an econometric analysis
	Representation of Indian Ethos and Beliefs in Selected Works in Indian Fiction
	Role of CALL and MALL in Language Learning,
	Representation of Women in Modern Indian Fiction and films
	Caste and Gender Interface in Dalit Women's Autobiographies
	Social change and development
	Rural and Urban society
	Gender
	Economy and Society
	Science, technology and society
	Inequalities, Stratification and Exclusion
	Globalization, media and Culture
	Law, Crime and Deviance
	Health, Ageing and Well-Being
Computer Science and Engineering	Defending Cross Layer Attacks in Internet of Things
	A Computational Framework for Text Processing
	Information retrieval from image/text
	Advanced Embedded system design
	Information Extraction from Medical Text
	Security in IoT
	Advanced Cyber Security
	Social Internet of Things
	Security against Traffic Analysis Attacks
	Mobile Fingerprint matching Machine Learning and Pattern Recognition
	Face Recognition in Video
	Developing a face aging model using Deeplearning
	Matching Face id with Selfies
	Mobile Fingerprint matching
	Psychology Behavior Analysis Using Deep Learning
	Advanced Network Security
	Routing and security for next generation networking, software defined networks, internet of things (IOT)
	Vehicular Networks / Software defined networking

	Credibility assessment of UGC(user generated Content)
	Graph Labelling and its Applications (Social Network Analysis, Graph Visualisationetc)
Centre for Energy and Environment	Study of ecological areas in urban areas in India
	EV battery thermal management using combined active and passive cooling methods
	Data Analytics for Power Systems Operation
	Demand response aggregation for ancillary services
	System Operation with Electric Vehicle Integration
	Machine learning and Data Analytics
	Smart Grid
	Intelligent Control
	Power management
	Smart City
	Smart Homes
	Design of settlements/habitates for climate/energy conservation/material sustainability
	Techno-economic analysis of solar photovoltaic system
	Feasibility analysis of small wind turbines
	EV battery thermal management using combined active and passive cooling methods
	Development, performance investigation and enviro-economic analyses of solar thermal desalination system
	Power System Flexibility Enhancement in system operation
	Grid Integration of Large Scale Renewables
	Ancillary Service Markets
	Integration of distribution energy resources
	Active Distribution System Management
Mathematics	Numerical Investigations of Ordinary Differential Equations
	Computational Scheme for Partial Differential Equations
	Blood Flow With Magnetic Effect
	Magnetohydrodynamic Boundary Layer Flow of Nanofluid
	Functional Analytic Study of Spaces of Continuous Functions
	Fixed Points of Operators Defined on Some Function Spaces
	Nonlinear stability and bifurcation analysis of free convective systems
	Analytical study of nonlinear convection with time-periodic external forcing
	Behavior of smart fluids of different thermal conductivity
	Boundary layer flow of smart fluids
	Globally Uniqueness and Solvable Properties on Semidefinite linear Complementarity Problems.
	Study on Complementarity Properties of Tensor Complementarity Problems.
National Centre for Disaster Mitigation & Management	Seismic Isolation for Earthquake Protection
	Seismic Design of Structures
	Earthquake Resistant Design of Masonry structures
	Base Isolation for Earthquake Hazard Mitigation
	Earthquake Resisting Design of Steel Structures
	Progressive Collapse under Earthquake

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

S. No.	Academic Department	Post Graduate Programme	Minimum Educational Qualification
1.	**Chemical Engg.**	**Chemical Engg.**	B.E./B.Tech. in Chemical Engg., Chemical & Polymer Engg., Chemical Technology, Biochemical Engg., Biotech Engg., Biotechnology, Environmental Engineering, Leather Technology, Material Science &Engg./Technology, Petro-Chemical Engg./Technology, Nanotechnology, Polymer Science & Rubber Technology, Polymer Science & Technology, Polymer Technology, Bioengineering, Biotechnology & Biochemical Engg., Diary Technology, Environment & Pollution Control, Food Engg./Technology, Industrial Biotechnology, Oil &Paint Technology, Oil Technology, Oils, Oleochemicals & Surfactants Technology, Paint Technology, Petroleum Engg./Technology, Plastic & Polymer Engg., Plastic Engg./Technology, Pulp & Paper Engg., Pulp Technology, Rubber Technology, Surface Coating Technology.
2.	**Civil Engg.**	**Water Resource Engg.**	B.E./B.Tech. in Agriculture Engg., Civil Engg., Irrigation Engg., Water Management, Civil Engg. & Planning, Civil Technology.
3.	**Civil Engg.**	**Environmental Engg.**	B.E./B.Tech. in Agriculture Engg., Biotech Engg., Biotechnology, Chemical Engg., Civil Engg., Civil Environmental, Computer Technology, Mechanical Engg., Biotechnology & Biochemical Engg., Chemical Technology, Civil Engg. & Planning, Civil Technology, Environmental & Pollution Control, Environmental Science &Engg./Technology.
4.	**Civil Engg.**	**Transportation Engg.**	B.E./B.Tech. in Civil Engg., Construction Engg., Construction Technology, Highway Engg., Transportation Engg., Transportation & Urban Planning , Civil Engineering & Planning, Civil Technology.
5.	**Civil Engg.**	**Structural Engg.**	B.E./B.Tech. in Building& Construction Tech., Civil Engg., Construction Engg., Construction Technology Structural Engg., Applied Mechanics, Civil Engg. & Planning, Civil Technology, Computer Aided Design of Structures.
6.	**Civil Engg.**	**Disaster Assessment and Mitigation**	B.E./B.Tech. in Agriculture Engg., Chemical Engg., Civil Engg., Computer Technology, Construction Engg., Construction Technology, Irrigation Engg., Water Management, Civil Engg. & Planning, Civil Technology.
7.	**Electrical Engg.**	**Power Systems**	B.E./B.Tech. in Electrical Engg.
8.	**Electrical Engg.**	**Power Systems Management**	B.E./B.Tech. in Electrical Engg.

9.	**Electronics & Communication Engg.**	**Electronics & Communication Engg.**	B.E./B.Tech. in Electronics & Communication Engg. Electronics and Instrumentation Engg., Electronics and Telecom Engg, Electronics Engg ,Telecommunication Engg, Applied Electronics Telecommunication Engg, Communication Engg Computer and Communication Engg., Electronics and Computer Engg., Electronic and Electrical Communication Engg, Electronics Design Technology. Electronics Science and Engg. **,** Information & Comm. Technology.
10.	**Electronics & Communication Engg.**	**VLSI Design**	B.E./B.Tech. in Electronics & Communication Engg. Electronics and Instrumentation Engg., Electronics and Telecom Engg, Electronics Engg ,Telecommunication Engg., Applied Electronics Telecommunication Engg, Communication Engg**.,** Computer and Communication Engg., Electronics and Computer Engg., Electronic and Electrical Communication Engg, Electronics Design Technology. Electronics Science and Engg.**,** Information & Comm. Technology, VLSI System Design.
11.	**Mechanical Engg.**	**Industrial Engineering**	B.E./B.Tech. in Mechanical Engg., Industrial Engg., Industrial Engg. & Management, Industrial & Production Engg., Production & Industrial Engg., Production Engg., Production Engg. & Management.
12.	**Mechanical Engg.**	**Thermal Engineering**	B.E./B.Tech. in Mechanical Engg., Automobile, Engg., Mechanical Engineering Automobile
13.	**Metallurgical & Materials Engg.**	**Metallurgical & Materials Engg.**	B.E./B.Tech. in Metallurgical & Material Engg., Metallurgical Engg. & Material Tech., Metallurgical Engg., Metallurgical Engg. & Material Science, Metallurgy, Materials Science &Engg./Tech., Materials Science & Metallurgical Engg., Materials & Metallurgical Engg., Cement & Ceramic Tech., Ceramic Engg., Chemical Engg., Electro-Chemical Engg., Engineering Physics, Industrial & Manufacturing Engg., Industrial & Production Engg., Industrial Engg., Industrial Metallurgy, Manufacturing Engg./Tech., Mechanical Engg., Mineral Processing, Polymer Science & Technology, Production & Industrial Engg., Production Engg., Ceramic & Glass Tech., Ceramic Engg. & Tech., Ceramic Technology, Chemical & Polymer Engg., Chemical & Polymer Engg., Chemical Technology, Manufacturing Process, Manufacturing Science &Engg., Mineral Dressing, Mineral Engg., Surface Coating Tech. M.Sc. in Applied Physics, Chemistry, Material Science, Mineral Benefiction, Ore-Dressing, Physics, Engg. Physics, Mineral Dressing, Nano Science & Tech.
14.	**Metallurgical & Materials Engg.**	**Steel Technology**	Material Science & Engineering, Material Science & Metallurgical Engineering, Material Science & Technology, Material & Metallurgical Engineering, Metallurgical & Material Engineering, Metallurgical

			& Material Technology, Metallurgical Engineering, Metallurgical Engineering & Material Science, Metallurgy , Metallurgy & Materials, Metallurgy & Material Technology. Manufacturing Engineering, Material Science & Engineering, Material Science & Metallurgical Engineering, Material Science & Technology, Material & Metallurgical Engineering, Metallurgical & Material Engineering, Metallurgical & Material Technology, Metallurgical Engineering, Metallurgical Engineering & Material Science, Metallurgy, Metallurgy & Materials, Metallurgy & Material Technology, Production Engineering, Mechanical Engineering.
15.	**Computer Science & Engg.**	**Computer Engg.**	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
16.	**Architecture & Planning**	**Master of Planning (Urban Planning)**	B. Arch., B. Plan., Bachelor in Town Planning, Bachelor in Transportation Planning ,Bachelor in Urban Planning, Bachelor in Town & Country Planning, B.E or B.Tech. in Civil Engineering, B.E or B.Tech. in Environmental Engineering, B.E or B.Tech. in Construction Engineering., B.E or B.Tech. in Construction Technology.

17.	**Material Research Centre**	**Material Science & Engineering**	M.Sc. in Physics/ Chemistry/ Applied Science/ Electronics/ Materials Science/Nanotechnology. OR B.Tech. in Applied Electronics and Instrumentation Engineering/ Ceramic Engineering/ Chemical Engineering/ Electrical and Electronics Engineering/ Electrical and Instrumentation Engineering/ Electrical Engineering/ Electronics and Communication Engineering/ Electronics and Instrumentation Engineering/ Electronics Engineering/ Engineering Physics/ Instrumentation and Control Engineering/ Instrumentation Engineering/ Manufacturing Engineering/ Materials Science and Engineering/ Mechanical Engineering/ Metallurgical and Materials Engineering/ Nanotechnology/ Polymer Science and Technology/ Production Engineering/ Ceramic Technology/ Chemical Technology/ Electronics and Electrical Engineering/ Instrument Technology/ Materials Science and Metallurgical Engineering/ Materials and Metallurgical Engineering/ Polymer Engineering and Technology

11. SEAT MATRIXAND 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 2019-2020)

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	6	5
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

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

(a) Admission will be to the first semester of the respective postgraduate programmes.

(b) 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.**

(c) A student who is admitted and registered for a postgraduate programme at the Institute but leaves before completing or discontinued his/her studies, shall not be admitted to a programme at the same level.

(d) The institute reserves the right not to run any particular programme, if the number of students in that programme is less than the minimum number specified by the Institute at the time of admission.

(e) The institute reserves the right to change its statutes and regulations relating to academic programmes and the modalities of admission without prior notice.

(f) There is no age restriction for postgraduate programme.

(g) In matters of interpretation of the provisions or any matter not covered here in this information brochure, the decision of the Chairman, Senate shall be final and binding on both the parties.

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

Notes:

(1) The provisions for reservation of seats given above are subject to modification in accordance with any Government Order, if issued subsequently by the Government of India.

(2) It will entirely be the responsibility of the candidate to prove his/her eligibility in terms of minimum educational qualifications and for claiming reservation under a specific category, if any, at the time of submitting the application.

(3) The requisite certificate for SC/ST/OBC category must be submitted, along with application, in original, issued by a competent authority listed in Annexure 1, failing which the benefit of the reserved category will not be given. The OBC certificate should have been issued after **March 31, 2019**.

(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 23/05/2019

(6) The candidate is required to submit one copy of form with photo copies of documents, and two photographs, at the time of reporting for admission process. All original documents along with M.Tech thesis copy should be brought by the candidate. (for Ph.D. Admission)

13. FEES

Updated Fees structure will be available on Institute website (http://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 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. Documents/Attested photocopies of the following certificates have to be brought along with the Application Form:-

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 stationary 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 MUST be attached with application. This SOP will have due weightage during process of screening/selection. This has to be compulsorily filled in the online application.

h. The candidate has to make his/her own arrangements for staying at Jaipur when he/she comes for the counseling and/or interview. Candidate should come prepared to stay for a day more if required. No TA and DA are admissible.

i. In case the candidate is seeking admission as a sponsored candidate, he/she should submit a certificate from his/her present employer on official stationary 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	**:-**	**02/05/2019**
Last Date of submission of Online Application form	**:-**	**23/05/2019**
Provisional list of shortlisted/eligible candidates for written test/interview will be displayed on Institute website by 03/06/2019.		
Date of written test	**:-**	**10/06/2019 to 12/06/2019**
Interview of the shortlisted candidates in the respective department	**:-**	**11/06/2019 to 13/06/2019**

Note:- No copy is to be sent by post. Instead the candidate should bring copy of form and required documents as instructed at serial no. 16 (f) & (g).

ANNEXURE I

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

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

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

ANNEXURE II

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

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

Place: .....
Date:….....

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

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

ANNEXURE IV

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: .....
Date:.....

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

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

ANNEXURE V

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: .....
Date:.....

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

Annexure VI

FORMAT FOR OBC [NCL] CERTIFICATE

TO BE PRODUCED BY OTHER BACKWARD CLASSES

[This certificate MUST have been issued on or after 1st April 2019]

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 _____ **Signature** _____

Date _____ **Designation^** _____

(with seal of office)

NOTE:

(a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
(b) ^The authorities competent to issue Caste Certificates are indicated below:
    (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / First Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of 1ST Class Stipendiary Magistrate).

(ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
(iii) Revenue Officer not below the rank of Tehsildar.
(iv) Sub-Divisional Officer of the area where the candidate and / or his family resides.

(C) OBC Certificate issued from Maharashtra State must be validated by the Social Welfare Department of Maharashtra Government.

Annexure VII

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, 2019.

Place: **Signature of the Candidate**

Date:

Declaration/undertaking not signed by Candidate will be rejected

Annexure VIII

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 & Dieu) Scheduled Castes Order, 1968;

*The Constitution (Goa, Daman & Dieu) 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_____ **Signature**_____

Date_____ **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 1st 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.

Annexure IX

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 satisfiedthat

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 satisfiedthat

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

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

Contd.

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

   In figures:_____%

   In words:_____percent

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

4. Reassessment of disability is:

   (i) Not Necessary **[or]**

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

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

   # - e.g. Single eye/both eyes

   £ - e.g. Left/Right/both ears

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

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

6. Signature and seal of the Medical Authority:

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

DISABILITY CERTIFICATE FORMAT - III

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

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

No. - _____ **Date -** _____ /_____ /_____

Signature/LTI/RTI of the Candidate

Passport size photograph of the Candidate

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

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

[Age - _____ years], male/female, Registration No. _____ permanent resident of House No.- _____, Ward/Village/Street _____ Post Office _____ District _____ State _____, whose photograph is affixed above, and am satisfiedthat

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

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

Contd.

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

   In figures:_____%

   In words:_____percent

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

4. Reassessment of disability is:

   (i) Not Necessary **[or]**

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

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

   # - e.g. Single eye/both eyes

   £ - e.g. Left/Right/both ears

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

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

Official Seal:

[Authorised Signatory of notified Medical Authority*]

Name: _____

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

Countersigned^

Official Seal:

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

Name: _____

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

ANNEXURE X

DECLARATION FORM

Id. No.	
Programme:	**M.Tech.** **M.Plan** **Ph.D.**
Department	
Name	
Son/Daughter/Wife of	

I declare that:

1. I shall not receive any salary, scholarship, stipend or any other financial benefit from any other source except the institute assistantship during the period of my study at MNIT. (except top up grants from Institute Project/Industry and income from participating in consultancy projects of faculty of the Institute)

2. I shall not accept and join any job without obtaining prior permission of the institute.

3. I understand that I shall not be permitted to leave the programme midway and shall complete my programme successfully. Failing which I shall pay back entire assistantship received from the institute by me.

4. I also understand that in case I withdraw from the enrolled programme, the caution money shall not be refunded to me.

Signature of the student Dated:
Email Address
Mobile No.

ANNEXURE XI

Contact Details of Head of Departments

S. No.	Academic Department	Email	Phone Number (STD Code 0141)
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	sdbharti@mnit.ac.in	2713551
16	Materials Research Centre	office.mrc@mnit.ac.in	2713568