INFORMATION BROCHURE

DOCTOR OF PHILOSOPHY- Ph.D.

EVEN SEMESTER (2021-2022)

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

www.mnit.ac.in

FOR FURTHER INFORMATION, PLEASE CONTACT:

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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 :- 25/11/2021
- Last Date of submission of Online Application form :- 16/12/2021 (till 5.00 PM)

Provisional list of shortlisted/eligible candidates for written test/interview will be displayed on Institute website by 27/12/2021.

- Dates of written test & Interview of the shortlisted candidates :- 10/01/2022 to 12/01/2022
- Final Result :- 25/01/2022

NOTE :-

- *No separate interview letter will be issued, the mode of written test and interview will be offline and the detailed schedule will be displayed on the institute website before 15 days of the examination.*
- *Also refer to Rules and Regulations manual for PG programmes for more details given on website* ***mnit.ac.in.***

ADMISSION CATEGORIES

- Full Time Research Scholar
- Self-Financed
- With Institute Scholarship
- Sponsored Full Time Research Scholar
- Sponsored Part Time Research Scholar (residing within 70 km radius of Jaipur) NOC required as per annexure IV
- Off Campus Research Scholar (residing outside 70 km radius of Jaipur) NOC required as per annexure V
- 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 750 students for the postgraduate and research (M. Tech./M. Planning/M.Sc./MBA/Ph.D.).

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

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

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

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

2. THE OBJECTIVE

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

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

- Courage and integrity
- Awareness and sensitivity to the needs and aspirations of society.
- Doing independent research in their chosen areas

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

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

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

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

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

3. CREDIT SYSTEM

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

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

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

Every course is co-ordinated by a member of the teaching staff of the department, which offers the course in a given semester. This faculty member is called the Course Co-ordinator. He has full responsibility for conducting the course, co-ordinating the work of the other members of the faculty involved in that course and

for holding tests and assignments and awarding grades. For any difficulty a student is expected to approach the Course Co-ordinator for advice and clarification.

4. ADMISSIONS

Academic Session

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

The admissions to Ph.D. programme is made in both the regular semesters, however, admissions to M.Tech./M.Sc./M.Plan 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 DOCTOR OF PHILOSOPHY

4.2.1 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.

4.2.2 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).

4.2.3 PH.D. IN MANAGEMENT

The applicant must have a two-year post-graduate degree or equivalent from recognized institute/University with CGPA not below 6.5 on a ten-point scale or 60% marks (where CGPA is not awarded). For equivalence of program, a certificate from AIU to this effect is mandatory.

4.2.4 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 residing out 70 km radius of Jaipur and working in an R&D establishment or in other institution / organization, which is equipped with the necessary infrastructure for carrying out research and library facilities, may be considered, for admission in Off Campus category for 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 CSE/IT/ECE/EE or equivalent disciplines M.E./M.Tech./M.S. in CSE/IT/ECE/EE or equivalent disciplines
Electrical Engineering	M.E./M.Tech. or equivalent degree in respective & relevant Engineering disciplines
Electronics & Communication Engineering	B. Tech. and M.Tech. Electrical/ Electronics/ Computer/ Communication/ Telecommunication/ Instrumentation/ Control/ Microelectronics or equivalent discipline consistent with research areas of department.
Humanities and Social Sciences	M.A./M.Com. or equivalent degree 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.Sc./M.A./M.Tech/MS or equivalent degree in Mathematics/statistics or in relevant discipline
Mechanical Engineering	B.Tech./M.Tech. degree or equivalent degree in Mechanical/Industrial/ Production Engg. B.Tech./M.Tech. degree/ disciplines consistent with the research areas of the department.
Metallurgical & Materials Engineering	B.E./B.Tech. degree in Metallurgical Engineering/ Materials Engineering/ Mechanical Engineering/ Materials Science and Engineering/ Metallurgical and Materials Engineering/Chemical Engineering/Ceramic Engineering/Manufacturing Engineering/ Production Engineering/ Materials Science/Forge and Foundry with M.E./M.Tech degree in Metallurgical Engineering/Materials Science/Ceramic Engineering/ Thermal Engineering/Polymer Engineering/Plastic Engineering/ Polymer Science and Engineering/Metallurgy and Materials Science/Materials Engineering/ Design/ Machine Design/Production/Foundry/ Industrial Metallurgy/ Welding Technology/ Manufacturing/ Process Metallurgy/Process Engineering/ Corrosion Engineering/ Nano Technology/Steel Technology/Mineral Processing/ Alloy Technology/ Extractive Metallurgy/ Composites/ Powder Metallurgy.
Physics	The applicant must have a Master's degree 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./B.E./M.Sc. and Master's degree in Engineering/Technology/Architecture in relevant areas.
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 or equivalent from recognized institute/University with CGPA not below 6.5 on a ten-point scale or 60% marks (where CGPA is not awarded). For equivalence of program, a certificate from AIU to this effect is mandatory.
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

WITH SCHOLARSHIP	
Department	**Tentative Research Area of proposed Ph.D**
ELECTRONICS AND COMMUNICATION ENGINEERING	AI/ML in Healthcare
	Biomedical circuit
	Multirate Signal Processing and its application
	Wireless Communication
	Microwave Imaging Algorithms
	Machine/Deep Learning for Computer Vision applications
	Machine learning applications in Artificial Intelligence based biomedical device development.
	Quantum Machine Learning
	Signal processing
	MEMS
	Design and Development of HEMTs based Biosensor
	Machine Learning and Nature Inspired Optimization
	Optical Engineering/Antenna Engineering
	Applying of Cognitive Approaches to Electronic Design Automation/VLSI
	Application of Cognitive Approaches to language translation & learning
	Wireless Communication, Antennas
	Antenna design and fabrication for 5G and 6G applications
	Embedded design/IOT
	Emerging Nano device modeling
HUMANITIES AND SOCIAL SCIENCE	**ECONOMICS:** Technology Transfer, Higher Education, Development Economics, Gender Development, Public Policy, Sustainable Development, Environment Economics, Rural Development
	ENGLISH: Perspectives in Feminist Literature; Contemporary Indian Literature; Aspects of English Language Teaching; CALL/MALL in English Language Teaching; Language and Culture

	SOCIOLOGY: Gender and Society; Science, technology and Society; Social inequalities and marginalized sections or communities; Social Change and Development; Rural and urban development; Globalization, Media, Culture and Society
MECHANICAL ENGINEERING	Role of industry 4.0 technology in Sustainable Supply chain Management
	An Investigation on anelastic behaviour of Multi-directional Composites through Simulations
	Fracture Simulation of Piezoelectric Materials Under Thermo-Mechanical Loading
	Semi-Permeable Crack Anaysis in Piezoelectric Materials
	Vibration based fault diagnosis of gearbox.
	Vibration Analysis using digital image correlation
	Emission reduction technics in Automobiles
	Thermal management systems in automobiles
	Solar drying for real life applications using green houses and performance enhancement studies (Experimental as well as simulation)
	Numerical modelling and simulation of natural convection heat transfer
	Compact thermo-fluid systems for heat recovery applications
	Emission control from diesel engine and exhaust after treatment technologies
	Stability of small scale floating raft
	Tribological performance of nano-structured wear-resistant composite coatings
	Design and development of Fitness equipment
	Design and development of composite material
	Welding of dissimilar materials
	Design and Development of Scaffold for Biomedical Applications
MATERIAL RESEARCH CENTER	Development of hybrid nanomaterials for applications as nanozymes and environmental remediation.
	Bioinspired soft Nanomaterials for multifunctional applications
MATHEMATICS	Computational statistics for data science
	Modelling and Simulation of Partial Differential Equations
	Partial Metric Spaces
	Stability of oscillatory contaminated immiscible two fluid flow under the influence of electric field
	A study on distance matrix of graph
	Global uniqueness and solvable property for polynomial complementarity problems

ARCHITECTURE AND PLANNING	Urban systems and their planning
	Traditional KnowledgeSystems in Built Vernacular Heritage
	Craft and Tourism Planning
	Assessment of Building Façade
	Urban Design for Architectural Design Appreciation
	Urban Planning
	Urban Design with focus on any- Urban Conservation
	Infrastructure Planning
	Housing and Urban Water Systems
METALLURGICAL AND MATERIALS ENGINEERING	On severe plastic deformation of metal alloys for high performance applications
	Joining of dissimilar metals/alloys
	Reduction kinetics of iron-coal pallets
	Processing of High Entropy Alloys for Aerospace Applications
	Mechanical Characterization of Aerospace Grade Steels
	Hot Deformation Studies of Aerospace Grade Materials
	Development of metal nanocomposite architecture for battery applications
ELECTRICAL ENGINEERING	Power System Operation and Control
	FACTS in Power Systems
	Power Systems Economics
	Integration of DG in Power Systems
	Renewable Integration in Power Systems, Electric Vehicle (EV)Integration to Grid,Power System Dynamics and Voltage Stability Studies, FACTS Devices
	Power Electronics and Power Quality Improvement, Electric Vehicle, Electrical Drives, Renewable Energy
	Operation, planning and protection of Microgrids: Grid connected or islanded mode;
	Load flow and Fault analysis: Smart Distribution Grid; AC/DC Microgrid with Renewable Energy Sources and Energy Storage Elements
	Distribution System Analysis (Balanced/Unbalanced);
	Smart Grid
	Artificial Intelligence and Robotics
	Machine Learning in Bio Medical Signals
	Data Analytics in Power Engineering
	Smart Grid
	Data Analytics in Power Engineering
	Renewable Energy, Electric Vehicles
	PWM Techniques
	Control of Grid-connected VSIs
	Power Quality

	Robotic control design
	Nonlinear control
	Stability of time-delay systems
	Electricity Markets
	Grid integration of renewables
	Electric Vehicle Integration with grid
	Metaheuristic Algorithms and Artificial Intelligence for Power System Applications
	Energy Management in Smart Grid
	Optimal Energy Management in Smart Cities
	Renewable Energy Systems, their Integration in Power System, Optimization and challenges
	DERs integration
	Operation & control of smart Grid
	Optimal operation of smart distribution systems
	DERs integration
	Operation & control of smart Grid
	Optimal operation of smart distribution systems
	Integration of Electric Vehicle
	Design and development of EV Chargers
	Wireless EV chargers
	Bi-Directional Power Flow
	Control of Power Electronic Converters in Electrical Vehicles and Mircogrid Applications
	Model-order Reduction Techniques in Robust Control Design
	Grid tied solar Inverters
	DC DC Converters for EV chargers and Renewable Energy
	DC DC Converters for Hydrogen Energy
	Signal applications in Power system/Power Electronics
	Machine learning in Power Systems, biomedical or image processing applications
CENTRE FOR ENERGY AND ENVIRONMENT	Low energy/solar cooling Thermal comfort studies
	Building energy efficiency
	Electricity Markets
	Grid Integration of renewables
	Electric Vehicle Integration with grid
	The application potential of photovoltaicbattery wall system in net-zero energy building
	A study on passive methods to reduce operating temperature of solar photovoltaic panels using thin film oxides.
	Machine learning/ deep learning methods for energy storage application

	Study on Compressed Hydrogen storage system
	Battery energy storage system: design, fault analysis
	Performance and degradation analysis of PV system
	Hybrid RE systems
	Assessment of micro-wind turbines
CHEMISTRY	Stereoselective Synthesis of 2-Deoxy and 2,6-Dideoxyglycoconjugates
	Preparation and Evaluation of Organometallic Photo-Catalyst for Green Fuels
	Green functionalized nanomaterials for environmental analysis
	Synthesis of advanced nanomaterials for environmental remediation
	Nanomaterials for photocatalytic degradation of pollutants in water
	Green synthesis of nanomaterials to modify electrodes for electrochemical sensing applications
	Nanomaterials for electrocatalytic renewable hydrogen production
CHEMICAL ENGINEERING	Experimental and Modelling study for treatment of water/ wastewater using hybrid AOP/ electrochemical techniques
	Wastewater Treatment using Electrochemical/Advanced Oxidation Process
	Synthesis of a Catalyst for Green Technology
	Process Intensification of Chemical Engineering Systems
	Study on Agro residues utilization for energy extraction and getting value added products
	Molecular dynamics investigations of self-assembly of bio-compatible polymeric nano-structures for industrial- waste water purification applications.
	Nanostructured catalyst and its application for water/wastewater treatment using hybrid Technique
	Graphene-based nanomaterials as heterogeneous catalysts for future energy demands
	Hybrid Advanced oxidation processes for wastewater treatment
	Extraction and Separation of Natural Products using Deep Eutectic Solvents
	Design of electrocatalyst for the effective conversion of biosyn gas to electrical power in solid oxide fuel cell.
	Catalytic Conversion of CO_2 into value-added liquid products: Experimental and Mechanistic study

	Liquid - liquid reactive extraction and separations using reverse micelles
	Pyrolysis of rubber tires and its desulphurization by cavitation technique
	Study on advanced oxidation processes for the treatment of domestic and industrial wastewater
	Bioethanol production from Biomass
	Polymeric nanocomposite membranes for industrial gas separation applications
	Nanomaterial based Photocatalytic water splitting-Experiments and Simulation
	Separation and control of Multicomponent system by Reactive divided wall distillation column
	Carbon dioxide sequestration technique: CO_2 absorption in microchannels.
	Fabrication and Characterization of PDMS-PVDF Super-hydrophobic membrane for desalination by MD
PHYSICS	Nanocomposite for energy applications.
	Ion irradiation induced modifications of metal nanoparticles
	Non-fullerene acceptor based organic solar cell
	Electrical Transport in Quantum Materials and Devices
	Si-based Nanostructures for Supercapacitors and Li-ion Batteries.
	Investigation of polymer electrolytes for high energy density metal-ion/air batteries
	Development of nanomaterials for Light-driven and Electrocatalytic Hydrogen Production
	Single Atom Electrocatalysts for Efficient Hydrogen Evolution Reactions
	Polymer based bio-implantable soft nanostructures
	Nanocomposite catalytic polymer membranes for energy applications
CIVIL ENGINEERING	Application of AI for prediction of concrete strength
	Urban heat island analysis
	Climate change analysis using remote sensing and GIS applications
	Performance Based Seismic Design for Coupled Building-Slope System
	Mathematical formulations for concrete structures
	Recycled waste material as a replacement in Cement production
	Soil stabilization using waste materials.
	Soil stabilization using reinforcing materials.
	Application of Geosynthetics.

	Behaviour of randomly distributed natural fiber reinforced soils.
	Characterisation of desert soils with special reference to rajasthan.
	Strengthening of desert soils using natural vegetatives found in these soils.
	Climate change impact assessment for a watershed in Rajasthan State
	Application of Artificial Intelligence on automated sensor data collected for Groundwater level and reservoir levels.
	Experimental/ Mathematical Modeling of Geosynthetics reinforced Earth Structures
	Ground Modification Techniques using Alternate Materials
	Utilization of Waste Materials in New Highway Technologies
	Utilization of Industrial Waste in sustainable Concrete Pavement and their long term Impact
	Road Safety
	Groundwater Remediation using Permeable Reactive Barriers
	Performance Evaluation of RC Frames by Performance Based Plastic Design method
	Indoor air quality
	Utilization of solid waste for different purposes
	Modelling of noise
	Aspects of ambient air pollution
	Waste Utilization in Sustainable Material and Construction
	Investigation on properties of two stage concrete
	Evaluation of structural response of concrete slab on grade
	Evaluation of structural response of Short-paneled concrete pavement
	Use of Industrial waste in Mortar
	Optimal Operation of a Network of Multi-Purpose Reservoirs
	Climate change, urbanization and their Impact on water resources; adaptation strategies
	Climate change and its impact on drought and agriculture
	Hydrological modelling using remote sensing and GIS
	Modelling LULC changes and its impact of climate and hydrology
	Climate change impacts on water resources.
	Planning of groundwater resources through modeling (simulation and optimization)

	Projection of hydro-meteorology using Machine learning techniques.
	Sustainable/Durable Materials
MANAGEMENT STUDIES	Digital Finance and Consumer Finance
	Entrepreneurial Finance Ecosystem
	Industry 4.0 and circular Economy Strategies for Agribusiness
	Circular Economy Strategies for a Sustainable Supply Chain
	Behaviour in online/digital environments
	Issues in technology adoption
	Knowledge Management
	Sustainable Development through Green HRM
	Behavioural Finance
	Asset pricing
	Public finance
COMPUTER SCIENCE AND ENGINEERING	Improved regression testing using Machine Learning
	Improved Mutation testing using Machine Learning
	Deep Packet Inspection for Advanced Persistent Threat Detection in Internet Traffic
	Browser's Security Analysis and Vulnerability Assessment
	Oblivious Computing for Cloud Computing
	Dark web exploration
	Lightweight Homomorphic Encryption for Cloud Computing
	Hardware Trojan: Malware Threats in Silicon
	Hypervisor Forensics
	Darknet and Tor Forensics
	Blockchain Forensics
	Deep learning Networks for age progression and regression
	Object recognition, identification and classification
	Person identification in video
	Person identification in low resolution videos
	Moving object segmentation and recognition techniques
	Scalability issues in Blockchain Technology
	Storyline generation from News articles
	Graph Mining with NLP and IR
	Recommender system using Graph Mining Techniques and Big Data Applications
	Security and vulnerability in (wireless Sensor Networks) WSNs
	Real world Applications of Internet of things (IoT)
	Load balancing in Cloud computing
	Security for 5G and beyond
	Cognitive radio enabled 5G-IOT

	Security and privacy for Mobile edge computing (MEC)
	Ultra-accurate precise position localization for next-generation applications.
	Applications of Computer Vision using Deep Learning and AI
	Next Generation Advanced High Speed and Heterogeneous Networks
	IoT Technologies ,Applications and services
	Intelligence at Edge Networks
	Security and Scalability in Blockchain Technolgy
	Smart emerging Applications of Edge computing and Blockchain Technology
	Study of Catastrophic Forgetting in Deep Neural Networks
	Adversarial networks based approaches for Imbalance data
	Machine-learning based security solutions for IoT, VANETand SDN
	Next generation Vehicular Ad Hoc networks
	Vulnerability Analysis of Mobile Phones
	Adversarial Machine Learning in Malware Classification
	Smart Devices forensics
	Cryptocurrency abuses in dark/deep web
	Analysis of Cache and power as Side-channels
	Handling real-time video analytics in a distributed cloud
	Anomaly Detection in Very Large Scale Systems
	Computer Vision for smart agriculture
	Plant disease detection using machine learning
	Deep learning models for activity detection
	Data clustering using swarm intelligence
	Social Network and behavior analysis
	Wireless sensor network and IOT security
	Cloud computing and its security
	Security and privacy issues of the blockchain in real-time applications
	Efficient and effective Intrusion detection system
	Development of framework to deal with challenges of Applications of Smart networks

Without scholarship	
Department	**Tentative Research Area of proposed Ph.D**
ELECTRONICS AND COMMUNICATION ENGINEERING	Security of Smart grid
	Design of Microstrip Antenna
	Design of FSS, Absorbers, Rasorbers
	Design of Metasurfaces & Metamaterials
	Signal conditioning circuit, Mixed signal circuits.
	MEMS based sensors
	Digital Filterbank
	Multirate filterbank and application
	Inverse Scattering Algorithms
	Wideband Microstrip Antenna
	Multiband/Wideband Absorbers
	Machine/Deep Learning for Computer Vision applications
	Machine learning applications in Artificial Intelligence based biomedical device development.
	Quantum Machine Learning
	Tunnel FET for Sensing Applications
	Signal processing
	MEMS
	Applying of Cognitive Approaches to Electronic Design Automation/VLSI
	Application of Cognitive Approaches to language translation & learning
	Wireless Communication, Antennas, MEMS, Optical Comm.
	Development of sensor for IOT application with AI or Machine learning
	In computation
HUMANITIES AND SOCIAL SCIENCE	**ENGLISH:** Literature of the diaspora; Trends in Modern Drama; Contemporary fiction in English; Culture and identity in literary works
	ENGLISH: Exploring Postmodernist Tendencies in Select Fiction; Ecocritical Concerns in Literature; Exploring Trends in Indian Writing in English; Critical Analysis of Films; Theme and Technique in Contemporary Fiction

	SOCIOLOGY: Gender and Society; Science, technology and Society; Social inequalities and marginalized sections or communities; Social Change and Development; Rural and urban development; Globalization, Media, Culture and Society
MECHANICAL ENGINEERING	Industry 4.0 Enabled Additive Manufactring
	Phase Field Modelling and analysis to investigate fracture and failure of composite.
	Fracture Simulation of Piezoelectric Materials Under Thermo-Mechanical Loading
	Semi-Permeable Crack Anaysis in Piezoelectric Materials
	Vibration based fault diagnosis of gearbox.
	Vibration Analysis using digital image correlation
	Computational simulation of heat exchangers
	Use of renewable fuels in IC engine
	Wear performance of nano-structured composite coatings
	Design and development of Exoskeleton equipment
	Investigations on dielectric
MATERIAL RESEARCH CENTER	Ion exchange membranes for energy conversion
	Discrete element method simulations for granular materials
	Development of Biomass derived carbon nanomaterials for electrochemical energy storage devices
ARCHITECTURE AND PLANNING	Sustainable Urban Development
	Vernacular and Traditional Architecture
	Urban systems and their planning
	Traditional KnowledgeSystems in Built Vernacular Heritage
	Craft and Tourism Planning
	Evaluation of Indoor Spaces
	Visual Communication in Architecture
	Urban Infrastructure Planning and Management
	Planning for Disaster Resilience
	Construction Project Management
	Urban Planning
	Urban Design with focus on any- Urban Conservation
	Infrastructure Planning
	Housing and Urban Water Systems
METALLURGICAL AND MATERIALS ENGINEERING	Fabrication of Polymer Matrix Nanocomposites and Their Properties
	Development of Iron based metal matrix composite for cutting tools
	Novel materials for corrosion protection of steel
ELECTRICAL ENGINEERING	Power System Operation and Control
	FACTS in Power Systems

	Power Systems Economics
	Integration of DG in Power Systems
	Artificial Intelligence and Robotics
	Machine Learning in Bio Medical Signals
	Metaheuristic Algorithms and Artificial Intelligence for Power System Applications
	Energy Management in Smart Grid
	Optimal Energy Management in Smart Cities
	Renewable Energy Systems, their Integration in Power System, Optimization andchallenges
	Control of Power Electronic Converters in Electrical Vehicles and Mircogrid Applications
	Model-order Reduction Techniques in Robust Control Design
	Grid tied solar Inverters
	DC DC Converters for EV chargers and Renewable Energy
	DC DC Converters for Hydrogen Energy
	Signal applications in Power system/Power Electronics
	Machine learning in Power Systems, biomedical or image processing applications
	Operation & control of Smart grid
	Integration of Electric Vehicle
	Renewable Energy
	Microgrids , renewable energy, Electrical Vehicle Integration in grid
	Control Systems, Power Systems
	Power system analysis and optimization
	Electricity markets and economics
	Game theory applications to Power systems
CENTRE FOR ENERGY AND ENVIRONMENT	Biomass to bioenergy
	Study on Compressed Hydrogen storage system
	Performance and degradation analysis of PV system
	Hybrid RE systems
	Assessment of micro-wind turbines
CHEMISTRY	Theoretical investigation of the reactions of weak atmospheric acids at the surface of a water droplet
	Preparation and Optimizations of Nanomaterials for Band Gap Tuning and Sensitization for Water Splitting Reactions
CHEMICAL ENGINEERING	Synthesis of novel chemicals/materials for water and waste water treatment
	Wastewater treatment using Hybrid Advanced oxidation processes
	Integrated approach for Energy Management
	Role of catalysts in solar light-driven photocatalytic applications of Bi_2O_3-based nanostructures

	Chemical Process intensification techniques for Nanomaterial synthesis
	Treatment of inorganic ions from wastewater using adsorption
	Development of electrochemical biosensor to assess the level of antioxidants and active oxygen species a system.
	Production of biofuels and platform chemicals from waste biomass via green catalytic route
	Industrial Hygiene of Silica Dust Exposure in Rajasthan: Spatial Distribution, Diagnosis and its Management.
	Effect of pretreatment methods on biomass valorization
	Microplastics in the Environment: Occurrence, Fate, Toxicity, Removal and Management
	Synthesis of polymeric hollow fiber membranes for separation applications
	Nanomaterials based Photoelectrochemical solar cells: Experiments and Simulation
	Gas liquid separation by microchannel
	Distillation in Microchannels for High Throughput Operations.
CIVIL ENGINEERING	Urban heat island analysis
	Climate change analysis using remote sensing and GIS applications
	Modelling Storm Water Drainage
	Study of Pollution Transport in Rivers
	Supercritical Flow Modelling at Channel Junctions
	Effect of Soil Structure Interaction on Seismic Fragility of Structure
	Development of recycled concrete using waste material
	Waste material utilization in diverse structural elements
	Soil stabilization using waste materials.
	Soil stabilization using reinforcing materials.
	Application of Geosynthetics.
	Behaviour of randomly distributed natural fiber reinforced soils.
	Characterisation of desert soils with special reference to rajasthan.
	Strengthening of desert soils using natural vegetatives found in these soils.
	Nailed slope under seismic loading.
	Swelling pressure behind retaining structure with expansive soil as backfill.
	Nailed slope under seismic loading.
	Swelling pressure behind retaining structure with expansive soil as backfill.
	Experimental/ Mathematical Modeling of Geosynthetics reinforced Earth Structures
	Ground Modification Techniques using Alternate Materials

	Landslide mitigation and slope protection measures for hill roads. Economic analysis.
	Contracts management in highways sector in India.
	Transportation Planning
	Groundwater Remediation using Permeable Reactive Barriers
	Seismic response and effect of soil conditions
	Indoor air quality
	Utilization of solid waste for different purposes
	Modelling of noise
	Aspects of ambient air pollution
	Waste Utilization in Sustainable Material and Construction
	Recycled building material used for road side drainage system.
	Water/Wastewater Treatment
	Investigation on properties of two stage concrete
	Evaluation of structural response of concrete slab on grade
	Evaluation of structural response of Short-paneled concrete pavement
	Optimal Operation of a Network of Multi-Purpose Reservoirs
	Climate change, urbanization and their Impact on water resources; adaptation strategies
	Climate change and its impact on drought and agriculture
	Climate change impact assessment on water resources
	Climate change impacts on water resources.
	Planning of groundwater resources through modeling (simulation and optimization)
	Projection of hydro-meteorology using Machine learning techniques.
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	Seismic Behaviour of Concrete Dams
	Seismic Behaviour of Precast Buildings
	Seismic Behaviour of Concrete Dams
	Seismic Behaviour of Precast Buildings
MANAGEMENT STUDIES	Agriculture Derivatives Market in India
	Entrepreneurial Finance Ecosystem
	Digital Finance and Consumer Finance
	Industry 4.0 and circular Economy Strategies for Agribusiness
	Circular Economy Strategies for a Sustainable Supply Chain
	Impact of Governmental Schemes for Enhancing entrepreneurial/start-up ecosystem
	Behaviour in online/digital environments
	Issues in technology adoption
	Knowledge Management
	Sustainable Development through Green HRM
	Positive Organization Behavior

	Responsive Leadership
	Corporate Restructuring
	Risk Management in Financial Institutions
	Corporate Finance
	Strategic Management
	Business Sustainability
	Mindfulness and Well-being
	Human Resource Analytics and Organizational Performance
	Behavioural Finance
	Asset pricing
	Public finance
COMPUTER SCIENCE AND ENGINEERING	Improved regression testing using Machine Learning
	Improved Mutation testing using Machine Learning
	Deep Packet Inspection for Advanced Persistent Threat Detection in Internet Traffic
	Browser's Security Analysis and Vulnerability Assessment
	Oblivious Computing for Cloud Computing
	Dark web exploration
	Lightweight HomomorphicEncryption for Cloud Computing
	Hardware Trojan: Malware Threats in Silicon
	Hypervisor Forensics
	Darknet and Tor Forensics
	Blockchain Forensics
	A Computational Framework for Emotion Analysis in Text
	Multilingual Source Code Analysis
	Recommender system using Graph Mining Techniques and Big Data Applications
	Classification with Graph Data
	Security and vulnerability in (wireless Sensor Networks) WSNs
	Real world Applications of Internet of things (IoT)
	Load balancing in Cloud computing
	Event prediction in Social Networks
	Information extraction in unstructured data
	Natural Language Processing using data driven approaches
	Next-generation distributed ledger technologies for device to device (D2D) or machine to machine (M2M) communication.
	Applications of Computer Vision using Deep Learning and AI
	Next Generation Advanced High Speed and Heterogeneous Networks
	IoT Technologies ,Applications and services
	Intelligence at Edge Networks
	Security and Scalability in Blockchain Technolgy
	Smart emerging Applications of Edge computing and Blockchain Technology

	Social Network Analysis using Graph Neural Networks (GNNs)
	Social Network Analysis using Graph Theory
	IoT Malware Evasion Techniques
	Federated Learning for IoT applications
	Medical Image Segmentation and Retrieval
	Hyperspectral Image Analysis
	Large Scale Image and Video Classification
	Modeling of Nature Inspired Optimization algorithms
	Geo-science based models for real world applications, Machine Learning in image processing
	Soft Computing and Hybrid Intelligent Systems for solving real world problems
	Deep Learning for Agricultural applications and Image Processing.
	Handling real-time video analytics in a distributed cloud
	Anomaly Detection in Very Large Scale Systems
	Computer Vision for smart agriculture
	Plant disease detection using machine learning
	Deep learning models for activity detection
	Data clustering using swarm intelligence
	Social Network and behavior analysis
	Wireless sensor network and IOT security
	Cloud computing and its security
	Security and privacy issues of the blockchain in real-time applications
	Efficient and effective Intrusion detection system
	Development of framework to deal with challenges of Applications of Smart networks

WITH OWN SCHOLARSHIPS (NET/JRF ETC..)	
Department	**Tentative Research Area of proposed Ph.D**
ELECTRONICS AND COMMUNICATION ENGINEERING	Wideband Microstrip Antenna
	Multiband/Wideband Absorbers
	Machine/Deep Learning for Computer Vision applications
	Machine learning applications in Artificial Intelligence based biomedical device development.
	Quantum Machine Learning
	RF and analog applications in Tunnel FET
	Machine Learning and Nature Inspired Optimization
	Applying of Cognitive Approaches to Electronic Design Automation/VLSI
	Application of Cognitive Approaches to language translation & learning
	MEMS, Metamaterials, Solar Cells

	VLSI Testing
HUMANITIES AND SOCIAL SCIENCE	**ENGLISH:** Literature of the diaspora; Trends in Modern Drama; Contemporary fiction in English; Culture and identity in literary works
	ENGLISH: Exploring Postmodernist Tendencies in Select Fiction; Ecocritical Concerns in Literature; Exploring Trends in Indian Writing in English; Critical Analysis of Films; Theme and Technique in Contemporary Fiction
MATERIAL RESEARCH CENTER	Fluorescent nanomaterials for optical detection of various pollutants and biomolecules
	2D Materials for Energy applications.
	Nanocomposite catalytic membranes for energy production
	Simulating polymer dynamics under the dilute, semi-dilute and concentrated regimes
	Microfluidic based electrochemical sensors for pesticide detection in drinking & irrigation water
MATHEMATICS	Applications of fractional calculus in the field of medical biology
	Partial Metric Spaces
	Flow of two superimposed fluids between wavy walls – stability of the interface
	Global uniqueness and solvable property for tensor complementarity problems
	A study on resistance matrix of graph
ELECTRICAL ENGINEERING	Smart Grid
	Artificial Intelligence and Robotics
	Machine Learning in Bio Medical Signals
	Data Analytics in Power Engineering
	Metaheuristic Algorithms and Artificial Intelligence for Power System Applications
	Energy Management in Smart Grid
	Optimal Energy Management in Smart Cities
	Renewable Energy Systems, their Integration in Power System, Optimization andchallenges
	Control of Power Electronic Converters in Electrical Vehicles and Mircogrid Applications
	Model-order Reduction Techniques in Robust Control Design
CENTRE FOR ENERGY AND ENVIRONMENT	A study on passive methods to reduce operating temperature of solar photovoltaic panels using thin film oxides.
	Study on Compressed Hydrogen storage system

CHEMISTRY	Isolation, characterization and nanoencapsulation of bioactive and cytotoxic molecules from medicinal plants
	Phytochemical investigation and Pharmacological analysis of some medicinally important plants
	Green synthesis of nanomaterials for pollutant detection and remediation of water
	Doped Carbon Materials for ion sensing and imaging
	Electrochemical sensing of pollutants by chemically modified screen printed electrodes
	Green synthesis of Metal organic framework- Hydrogel nanocomposites and their application in water harvesting from air
	Green catalytic methods for harvesting the valuable compounds from bio-feed stock
	Pincer complex of transition metals for remote C-H activations/ functionalization
	Carbon Nanoparticles as Visible-Light Photocatalysts for CO_2 Conversion Applications
	Sunlight-Promoted Photothermal Applications of Nano Carbons
	Doped Nanomaterials: Synthesis and Applications
	Vibrational spectroscopic investigation of heterogeneous atmospheric reactions
	Low-temperature IR spectroscopic study of astrochemical reactions
	Stereoselective Synthesis of Carbohydrate scaffolds of Medicinal importance
	Stereoselective Glycosylation for the Synthesis of glycoconjugatesemploying Greener methods.
	Designing a Chiral Library containing Heterocyclic Ring on Sugar Molecule using Green protocols.
	Theoretical studies of nucleation processes in the atmosphere
	Photocatalytic Organic Reactions for Small Molecule Activation
	Transition metal based nanostructures: Analytical methodologies and industrial applications
	Metal organic framework for environmental applications
	Functional Nanomaterials for Environmental Remediation
	Bi_2O_3-based nanostructures for solar light-driven photocatalytic applications
	Synthesis of advanced nanomaterials for environmental remediation
	Nanomaterials for photocatalytic degradation of pollutants in water

	Green synthesis of nanomaterials to modify electrodes for electrochemical sensing applications
	Nanomaterials for electrocatalytic renewable hydrogen production
PHYSICS	Multifunctional Sensors.
	Superconductivity in Condensed Matter.
	Nanocarbon based Electrodes for Hybrid Ion Supercapacitors
	Development of Photo-rechargeable Battery/Supercapacitor Systems
	Simulating polymer dynamics under the dilute, semi-dilute and concentrated regimes
	Discrete element method simulations for granular materials
CIVIL ENGINEERING	Groundwater Remediation using Permeable Reactive Barriers
	Climate change impacts on water resources.
	Planning of groundwater resources through modeling (simulation and optimization)
	Projection of hydro-meteorology using Machine learning techniques.
MANAGEMENT STUDIES	Digital Finance and Consumer Finance
	Entrepreneurial Finance Ecosystem
	Behaviour in online/digital environments
	Issues in technology adoption
	Sustainable supply chain management
	Knowledge Management
	Sustainable Development through Green HRM
	Positive Organization Behavior
	Responsive Leadership
	Corporate Restructuring
	Risk Management in Financial Institutions
	Corporate Finance
	Strategic Management
	Business Sustainability
	Mindfulness and Well-being
	Human Resource Analytics and Organizational Performance
	Behavioural Finance
	Asset pricing
	Public finance
COMPUTER SCIENCE AND ENGINEERING	Smart IoT centric healthcare solutions
	Blockchain based solutions for VANET Security

PHD TOPIC WITHOUT SCHOLARSHIP (ONLY FOR RESEARCH PERSONNEL PRESENTLY SERVING IN VARIOUS PROJECTS IN MNIT JAIPUR)	
Department	**Tentative Research Area of proposed Ph.D**
ELECTRICAL ENGINEERING	Multilevel inverters, Grid interactive converters
	Smart Grid
	Artificial Intelligence and Robotics
	Machine Learning in Bio Medical Signals
	Data Analytics in Power Engineering
CENTRE FOR ENERGY AND ENVIRONMENT	Radiant cooling systems
CHEMISTRY	Modelling the reactions having multireference chemical species
PHYSICS	Track etched membrane based bimetallic nanowires for hydrogen sensor
CIVIL ENGINEERING	Development of Seismic Fragility Curves for Different Indian Building Typology
	Seismic risk assessment for cities using geo-spatial technologies
COMPUTER SCIENCE AND ENGINEERING	Deep learning Networks for age progression and regression
	Object recognition, identification and classification
	Person identification in video
	Person identification in low resolution videos
	Moving object segmentation and recognition techniques
	Disruptive event prediction based on Continual Machine Learning

10. GENERAL INFORMATION

(a) 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.

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

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

(d) 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 candidate should be ready with all original documents and PG dissertation thesis at the time of interview for PhD admission.

11. FEES

Updated Fees structure will be available on Institute website (http://mnit.ac.in/academics/fee_structure.php**)**

12.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.

13.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.

14. 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/Attested photocopies of the following certificates have to be brought along with the Application Form at the time of interview:-

i. High School/Secondary School certificate in support of age/date of birth. No other certificate is acceptable in support of the age/date of birth.

ii. Provisional/Final Degree certificate/Migration Certificate must be attached.

iii The Marks Sheet/Grade Card of Qualifying Examination including Diploma if applicable.

iv Character Certificate from the Director/Dean of Students Affairs of the Institute from where the candidate has graduated (For 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. 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 Ph.D. course if he/she is admitted. The employer should also indicate that the candidate will not be withdrawn midway till the completion of the course.

ANNEXURE I

AUTHORITIES WHO MAY ISSUE CASTE/TRIBE CERTIFICATE

(SC/ST/OBC candidates should submit certificate issued by any of the following authorities)

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

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

ANNEXURE II

CERTIFICATE FROM INSTITUTE / UNIVERSITY

(Required during registration from candidates whose result of the qualifying examination has not been declared)

I hereby certify that Mr./Ms. ..... has appeared in the final year examination including theory, practical and project examination for qualifying degree (Name).....degree 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 qualifying degree (Name). ..... 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

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 5 semesters for part-time Ph.D. programme, while total duration is expected to be 6 years for part-time Ph.D.

Place: .....

Date:.....

Signature of Head of the Institution/Organization with seal

Name .....

Designation .....

ANNEXURE V

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 VI

FORMAT FOR OBC [NCL] CERTIFICATE

TO BE PRODUCED BY OTHER BACKWARD CLASSES

[This certificate MUST have been issued on or after 1st 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)inthe _____ 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.

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:

Date :

Signature of the Candidate:

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.

DECLARATION FORM

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

I declare that:

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

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

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

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

Signature of the student Dated:

Email Address

Mobile No.

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	hod.ncdmm@mnit.ac.in	2713551
16	Materials Research Centre	hod.mrc@mnit.ac.in	2713568