

# Information Brochure

for admission to

DOCTOR OF PHILOSOPHY- Ph.D.  
MASTER OF TECHNOLOGY - M. TECH.  
MASTER OF BUSINESS ADMINISTRATION - MBA  
MASTER OF SCIENCE - M.Sc.

Programmes of MNIT Jaipur

2007 - 08



**MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR**

Jawahar Lal Nehru Marg, Jaipur 302017 (Raj)

<http://www.mnit.ac.in/academic>

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## 1. INTRODUCTION

The Malaviya National Institute of Technology Jaipur is one of the 20 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 520 students for undergraduate (B.Tech./B.Arch.) programmes and about 350 students for the postgraduate and research (M. Tech./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, Information Technology, Mechanical and Metallurgical Engineering and five year Bachelor of Architecture degree.

The institute offers full-time/part-time postgraduate programmes in Department of Engineering & Technology leading to the degree of Master of Technology in Water Resource Engineering, Environmental Engineering, Transportation Engineering, Power Systems in Electrical Engineering, Electronics & Communication Engineering, VLS Design, Manufacturing System Engineering, Energy Engineering, Non-ferrous Metallurgy, Chemical Engineering and Structural Engineering.

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

The institute offers Full-time/Part-time Ph.D. programmes in Civil, Chemical, Computer, Electrical, Electronics & Communication, Information Technology, Mechanical, Metallurgical, Structural Engineering, Physics, Chemistry, Mathematics and Humanities & Social Sciences. These courses provide advanced learning of the subjects and develop manpower with expertise in selected fields of engineering and technology.

**Location:** MNIT Jaipur is situated on Jawahar Lal Nehru Marg in South of Jaipur. The 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.

## 2. 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 Grade Point Average of 5.5 is required to be maintained for satisfactory progress. Also 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 Institute's Prospectus, which will be supplied to the admitted candidates on the date of registration.

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.

## 3. Ph.D. PROGRAMMES

### The Objective

The Malaviya National Institute of Technology Jaipur (MNIT) offers Ph.D. degree through its various Departments. The award of Ph.D. degree is in recognition of high academic achievements, independent research and application of knowledge to the solution of technical and scientific problems in Science, Technology, Management and Humanities & Social Sciences. Creative and productive inquiry is the basic concept underlying the research work.

The academic programme leading to the Ph.D. degree is broad-based and involves a course credit requirement and a research thesis. The Institute also encourages interdisciplinary areas through a system of co-supervision and provides excellent opportunities for such programmes. The Institute undertakes sponsored research and development projects from industry and other organizations public as well as private sector.

The research work shall be an original work characterized either by the discovery of facts, or by a fresh approach towards the interpretation and application of facts, or development of equipment making a distinct advance in instrument technology. It shall evince the candidate's capacity for critical examination and sound judgment and shall represent original contribution to the existing knowledge.

The degree of Doctor of Philosophy is granted for research work in areas recognized by the academic departments of the Institute. The degree of Doctor of Philosophy will be awarded in the discipline of the department in which the candidate is registered.

### 3.1 Eligibility Requirements For Admission

#### A. Essential Requirements for Full-time Scholars

One of the following requirements is essential to be fulfilled by a candidate. Additionally he must possess the qualifications in the relevant field as given in Table 1.

- (a) Candidates holding Masters Degree in Engineering / Technology/ Sciences/ Management/Humanities & Social Sciences or equivalent with a minimum Cumulative Grade Point Average (CGPA) of 6.75 on a 10 point scale or equivalent as determined by the Institutes or having minimum 60% marks in aggregate, where marks are awarded. For candidates belonging to SC/ST or physically handicapped category, the minimum requirement of percentage of marks in aggregate is 55% and CGPA is 6.25 on a 10-point scale. The reserve category candidates must submit the required certificate from the competent authority as given in Annexure-1 along with the duly completed application form.
- (b) In exceptional cases, candidates with B. Tech. degree or equivalent in respective discipline with excellent academic record with minimum CGPA of 6.75 on a 10-point scale or 60% marks may be considered eligible for admission. Preference would be given to candidate possessing GATE score.
- (c) If an applicant has been awarded research fellowship by any National/ International funding agency such as UGC/CSIR etc. can be considered for admission.
- (d) An employee sponsored by his / her employer may be considered for admission as a sponsored full time Scholar provided he / she has a minimum of 2 years experience and is treated by the employer as on duty with normal salary and allowances and is relieved for the period of study. He/She should produce sponsorship certificate as per proforma given in Annexure-4 from the parent organization along with the application for admission to the programme failing which he/she will not be permitted to appear for the admission interview.

#### B. Part Time Scholars

- (a) A candidate can be considered for part time admission if he/she has 2 years experience and fulfils the eligibility conditions defined in 3.1 A (a) or (b).
- (b) Permanent employees of the Institute [or employees of sponsored projects] with one-year experience can be considered for part time registration provided he/she has been given administrative clearance by the Director of the Institute. Temporary/ contract academic staff of the Institute as well as staff of schemes may be given administrative clearance to such admission on part time basis at any time after joining service subject to recommendation of Dept. for Institute employees and Principal Investigator in case of scheme employees.

### 3.2 Other Conditions For Various Categories

#### A. Regular Scholars

Final year/semester students whose result is awaited are also eligible to apply. Such candidates are required to submit a certificate (as per proforma given in **Annexure-2** or **Annexure-3**) along with the application. Candidates may be considered for admission on the basis of their results up to pre-final semester in which the percentage of marks or CGPA should not be less than that specified above under essential requirements. However, they will be required to produce, the proof of qualifying examination with the required CGPA or percentage of marks. Under special circumstances, the candidates may be admitted provisionally and at the time of registration must submit the same latest by **August 17, 2007** failing which their admission may be cancelled.

Candidates on study leave for a period of not less than three years for pursuing Ph.D. Programmes are also eligible to apply for admission to Ph.D. programme. They have to submit the relevant certificate from their Head of the Institution/organization.

**Foreign candidates** who fulfill the qualifications equivalent to educational qualifications required for admission to Ph.D. programme in the relevant discipline should apply:

- (a) Through Indian Embassy in their country provided they are awarded ICCR scholarship from Govt. of India.
- (b) Through Embassy of the respective Govt. after getting approval from Ministry of External Affairs and no objection certificate from MHRD, Dept. of Education, Govt. of India or admitted under an MOU.

Foreign candidates are required to undergo medical examination as per medical rules of the MHRD.

#### B. Part time Scholars

- (a) The candidates must possess the entry qualifications in the relevant discipline for the admission to Ph.D. programme.
- (b) The candidate must prove to the satisfaction of the Departmental Research Committee (DRC) that his/her official duties permit him to devote sufficient time for research. The candidate must submit from his/her Head of the Institution/organization a "No objection certificate" as per **Annexure- 5** along with the application.
- (c) He/She will be required to reside at the institute for a period not less than a semester during his/her registration for the degree. If the course credit requirement recommended by a Dept. is not completed within 6 months the residency requirement for part time Ph.D. students working in organization outside **Jaipur** may be more than 6 months till he/she completes credits requirement
- (d) Facilities for pursuing research are available at the applicant's parent organization/place of work in the chosen field of research. Such candidate, after completion of comprehensive examination may carry out research work in his

parent organization with an external supervisor from his parent organization apart from an internal Institute supervisor. Such candidate will be treated as external candidate.

- (e) The facility of part-time registration will be available only to candidates working in Academic Institutions, R & D organizations and Public sector units for at least two years.
- (f) No self-sponsored candidate will be admitted to part-time Ph.D. programme.

Table 1: Minimum Qualification(s) for Ph.D. Programmes

<b>Department</b>	<b>Minimum Educational Qualification in a relevant field</b>
<b>Civil/Structural Engineering</b>	<ul style="list-style-type: none"> <li>» B.Tech./M.Tech. or equivalent degree in Civil Engineering</li> <li>» B.Tech./M.Tech. Degree in any branch of Engineering may be considered for research areas consistent with the academic background and special interests.</li> <li>» M.Sc. Degree in Environmental Science/Biotechnology may also be considered for research areas in Environmental Engineering</li> </ul>
<b>Chemical Engineering</b>	<ul style="list-style-type: none"> <li>» B.Tech./M.Tech. or equivalent degree in Chemical Engineering.</li> <li>» B.Tech./M.Tech. or equivalent degree in any branch of Engineering/ Chemical Technology and interdisciplinary areas.</li> <li>» M.Sc. in disciplines consistent with the research areas of the department.</li> </ul>
<b>Chemistry</b>	<ul style="list-style-type: none"> <li>» M.Sc. or equivalent degree in Chemistry/Physics.</li> <li>» M.Sc. in Bio-technology or M.Sc. in Biochemistry</li> </ul>
<b>Electrical Engineering</b>	<ul style="list-style-type: none"> <li>» B.Tech./M.Tech. or equivalent degree in Electrical Engineering.</li> <li>» B.Tech./M.Tech. or equivalent degree in a branch of Engineering consistent with the research areas as mentioned by the Department from time to time.</li> <li>» M.Sc. in a discipline consistent with the research areas as mentioned by the Department from time to time.</li> </ul>
<b>Computer Engineering/ Information Technology</b> (The Ph.D. degree awarded to a candidate with MCA will be in Computer Science).	<ul style="list-style-type: none"> <li>» M.E./M.Tech. in Solid State Electronics/ Microwaves/Communication Systems/ Control Systems/ Instrumentation/Computer Science &amp; Engg./ Information Technology or equivalent.</li> <li>» B.E./B.Tech. in Electronics &amp; Communication/ Computer Sc. &amp; Engg./ Electrical Engg./ Information Technology or equivalent.</li> <li>» M.Sc. in Physics/Maths/ Instrumentation/ Electronics/MCA in disciplines consistent with the research area of the department</li> </ul>
<b>Electronics &amp; Communication Engineering</b>	<ul style="list-style-type: none"> <li>» M.E./M.Tech. in Solid State Electronics/ Microelectronics/Microwaves/ Communication Systems/Control Systems/Instrumentation/ or equivalent.</li> <li>» B.E./B.Tech. in Electronics &amp; Communication or equivalent.</li> <li>» M.Sc. in disciplines consistent with the research areas of the department</li> </ul>
<b>Humanities and Social Sciences</b>	<ul style="list-style-type: none"> <li>» M.A./M.Com. or equivalent degree with 55% marks (or equivalent grade)</li> <li>» Master's degree in Science/Graduate Degree in Engineering/ Technology with 60% marks (or equivalent Grade) may be considered for research areas consistent with the academic background and special interests.</li> </ul>
<b>Mathematics</b>	<ul style="list-style-type: none"> <li>» M.A./M.Sc. in Mathematics/ Statistics/ Computer Science/ Applied Mathematics/ Mathematics.</li> <li>» M.Stat.</li> <li>» M.C.A</li> </ul>
<b>Mechanical Engineering</b>	<ul style="list-style-type: none"> <li>» B.Tech./ M.Tech. degree or equivalent degree in Mechanical/Industrial/ Production Engg.</li> <li>» B.Tech./ M.Tech. Degree/ disciplines consistent with the research areas of the department.</li> </ul>
<b>Metallurgical &amp; Materials Engineering</b>	<ul style="list-style-type: none"> <li>» M.E./M.Tech. in Metallurgical Engg./ Metallurgical &amp; Materials Engg.</li> <li>» B.E./B.Tech. in Metallurgical Engg./ Metallurgical &amp; Materials Engg.</li> <li>» M. Sc. in Physics/Material Science/ Chemistry provided Mathematics was a subject at B.Sc. level.</li> </ul>
<b>Physics</b>	<ul style="list-style-type: none"> <li>» M.Sc./M.Phil. in Physics/Applied Physics or equivalent,</li> <li>» M.Sc./M.Phil. in Chemistry, Mathematics/ Biophysics/ Geophysics/ Computer Science provided Physics was a subject at B.Sc. level.</li> <li>» M.Tech./B. Tech. or equivalent in Electrical/Electronics/ Chemical/ Metallurgical/ Mechanical Engg./ Information Technology/ Computer/ Engineering Physics</li> </ul>
<b>Management Studies</b>	<ul style="list-style-type: none"> <li>» M.Tech. /M.B.A. or equivalent, B.E./ B.Tech./ B.Arch./ B. Pharma/ M.Sc./ M.C.A. or equivalent</li> </ul>

#### 4. POSTGRADUATE ACADEMIC PROGRAMMES LEADING TO M.TECH./ M.B.A./M.Sc.

The postgraduate programmes of study in Engineering include eleven full-time/ part time programmes in different specialisations leading to M.Tech. Degree, postgraduate programmes of study in Science include three full time programmes in different specialization leading to M.Sc. degree and an MBA programme is also available. Details of these academic programmes leading to M. Tech./M.Sc. and MBA available in each department along with the minimum educational qualifications and number of seats are

**Table 2 Details of Programmes leading to M. Tech./M.B.A./M.Sc.**

S. No.	Post Graduate programme	Academic Department	No. of Seats		M.Tech Programme Minimum Educational Qualifications
			FT	PT	
1	Chemical Engineering	Chemical Engineering	18	6	B.E./B.Tech. in Chemical Engg./ Chemical Technology (Food Tech./ Polymer Tech./Oil Tech./ Paints Tech./ Rubber Tech./ Ceramic & Glass Tech. etc.), Bio Chemical Engg., Biotechnology, Petroleum/ Petrochemical Engg./ Pulp & Paper Engg./ Environmental Engg., Energy Systems; OR M.Sc. (with Mathematics at B.Sc. Level) in Biotechnology/ Biochemistry/ Chemistry/ Environmental Sciences/ Microbiology
2	Water Resource Engineering	Civil Engineering	18	6	Bachelors Degree in Civil Engg./ Agriculture Engg. OR equivalent
3	Environmental Engineering	Civil Engineering	18	6	Bachelors Degree in Civil/ Electrical/ Chemical/ Mechanical/Metallurgical Engg./ Agriculture/ Computer/Electronics/Energy Systems/Bio-technology/ Environmental/Mining/ Production/ Petrochemical Engg./or a M.Sc. in (with Mathematics at Senior Higher Secondary level) in Atmospheric Science, Bio-chemistry/ Bio-technology/ Chemistry/Earth Sciences/Geology/ Environmental Toxicology/Environmental Sciences/ Life Sciences/Meteorology/ Microbiology OR Physics
4	Transportation Engineering	Civil Engineering	18	6	Bachelors Degree in Civil Engg.
5	Power Systems	Electrical Engineering	18	6	Bachelors Degree in Electrical Engg.
6	Electronics & Communication Engineering	Electronics & Communication Engineering	18	6	Bachelors Degree in Electronics/ Electronics & Communication Engg. / Electrical Engg.
7	VLSI Design	Electronics & Communication Engineering	18	6	B.E./B.Tech. in Electronics & Communication Engg./ Electrical Engg./ Computer Engg./ Information Technology or equivalent; OR M.Sc. (Electronics/ Computer)
8	Manufacturing Systems Engineering	Mechanical Engineering	18	6	Bachelors Degree in Mechanical/ Production/ Industrial Engg.
9	Energy Engineering	Mechanical Engineering	18	6	B.E./B.Tech. in Mechanical, Chemical, Electrical, Automobile Engg., Civil Engg. or equivalent, M.B.A. with B.Sc., M.Sc. in Physics/Chemistry or equivalent with Mathematics at B. Sc. level
10	Non-Ferrous Metallurgy	Metallurgical & Materials Engineering	18	6	B.E./B.Tech. in Metallurgical Engg., Metallurgical & Materials Engg./ Mechanical Engg./Production Engg. Industrial Engg. & Chemical Engg. M. Sc. in Physics/Material Science/ Chemistry, provided Mathematics was a subject at B.Sc. level.
11	Structural Engineering	Structural Engineering	18	6	Bachelors Degree in Civil Engg.

<b>M.B.A. programmes</b>				
<b>S. No.</b>	<b>Post Graduate programme</b>	<b>Academic Department</b>	<b>No. of Seats-FT</b>	<b>Minimum Educational Qualification</b>
1	MBA	Management Studies	40	Bachelor's Degree in Engineering/ Technology/Architecture/Pharmacy/ Agriculture Engg. or M.Sc. in Physics/ Chemistry/ Mathematics or Statistics.
<b>M.Sc. Programmes</b>				
<b>S. No.</b>	<b>Post Graduate programme</b>	<b>Academic Department</b>	<b>No. of Seats-FT</b>	<b>Minimum Educational Qualification</b>
1.	Chemistry	Chemistry	20	B.Sc. or B.Sc. Honours in Chemistry.
2.	Mathematics	Mathematics	20	B.Sc. with Mathematics as main subject
3.	Physics	Physics	20	B.Sc. or B.Sc. Honours in Physics & Mathematics at graduate level.

**Table 3 Duration of M.Tech./M.B.A./M.Sc. Programme**

<b>Programme</b>	<b>Duration of the Programme</b>	
	<b>Normal duration</b>	<b>Maximum duration</b>
M.Tech. (Full Time)	4 Semesters	6 Semesters
M.Tech. (Part Time)	6 Semesters	10 Semesters
M.B.A. (Full Time)	4 Semesters	6 Semesters
M.Sc. (Full Time)	4 Semesters	6 Semesters

given in Table 2. The detailed curriculum structures of these programmes are available on the institute Web Site <http://www.mnit.ac.in>.

The ordinances and regulations under force determine the general academic requirements for the above programmes for full-time and part-time students.

#### 4.1 Eligibility Requirements

##### Essential Requirements (for all Postgraduate programme)

Candidates who possess the qualifications as in Table 2 are eligible to seek admission to postgraduate programmes. Candidates of general category/OBC seeking admission to the postgraduate programmes must have at least 60% marks or CGPA of 6.75 on a 10-point scale at the qualifying degree level; SC/ST category candidates, must have 55% marks or 6.25 CGPA on a 10-point scale. The percentage of marks will be considered as aggregate awarded for the qualifying degree. The SC/ST category candidates must submit the requisite certificate from a competent authority, as per format in Annexure-1 along with application form.

These essential eligibility requirements are applicable to all the categories of candidates, viz. full time regular, full-time sponsored and part-time sponsored candidates. Other conditions for these three categories are as follow.

**A. Full Time Regular Candidates**

- (a) Final year students who will complete the requirements of qualifying examination before the date of registration may also apply. Such candidates will be required to submit a certificate as per the proforma given in Annexure-2 or Annexure-3 along with the application. The candidates may be admitted provisionally on the basis of their results up to pre-final year/semester in which the percentage of marks or CGPA should not be less than that specified above under essential requirements. However, they will be required to produce the passing of proof of the qualifying examination with the required percentage or CGPA at the time of registration. Under special circumstances, the candidates may be admitted provisionally and allowed to submit the proof of passing having passed the qualifying examination with the required percentage or CGPA, latest by positively within a month of registration failing which their admission may be cancelled.
- (b) Candidates having AMIE/AMIS/AMICHE/AMMIM/Grad IETE, who possess B.Sc. or Diploma in relevant branch of Engineering and have at least three years research, teaching or other professional experience (on or before June 30, 2007) in relevant field, are also eligible to apply for admission to M. Tech. course. AMIE/AMIS/AMICHE/AMMIM/Grad IETE candidates should have at-least 60% marks (55% for SC/ST category) in Section A & B combined and Diploma in relevant branch with a minimum of 60% marks for general category and 55% marks for SC/ST category candidates.
- (c) The candidates should qualify in GATE with a minimum score of 300 for general candidates/OBC and 200 for SC/ST candidates to become eligible for teaching-assistantship.
- (d) A candidate who is not having valid GATE Score may also be admitted if vacancy exists. Such candidates will be admitted on merit basis or concerned departments may conduct entrance tests.

**B. Full-Time Sponsored Candidates**

- (a) The candidates must have a minimum of two years of full-time work experience in responsible capacity in a Registered Firm/Company/Industry/Educational and Research Institution/ Govt./ Quasi Govt./Autonomous Organization in the relevant field in which admission is being sought. The Firm/Company/Industry shall either be a public sector undertaking or a public limited undertaking registered in a stock exchange or a private concern whose annual turnover during the past two years exceeds Rs. 5.0 crores. For the candidates employed in the Educational Institution, it should be recognized by AICTE.
- (b) For the candidates seeking admissions to M. Tech. programme but not qualified in GATE, may also be considered for admission to different academic programmes but their admission will be based on performance in an interview to be held at MNIT Jaipur. The preference in admission will be given to those candidates who are GATE qualified.

- (c) The candidates will be called for interview on the basis of their results in the final year of the qualifying degree. Candidates should submit the sponsorship certificate along with the application, duly signed by the Head of the Institution/ Organization on the proforma as per Annexure-4 failing which they will not be allowed to appear in the interview.
- (d) A few candidates are also admitted under QIP, for which the admission procedure is separate and for further details, one may contact Dean, Academic Affairs, Malaviya National Institute of Technology Jaipur.

The Sponsored candidates who meet the above mentioned eligibility conditions, along with the eligibility requirements given in Table-1 should apply on the prescribed Application Form.

#### **C. Part-Time Sponsored Candidates**

- (a) Same as for full-time sponsored candidates, under sub-head B (a) thereof, with additional requirement that such organization must be located either at Jaipur or within 50 km radius from MNIT, Jaipur.
- (b) Same as for full-time sponsored candidates under sub-head B (b) thereof. However, no self-sponsored candidate will be admitted for part time study.
- (c) There will not be any age restriction. However, preference will be given to those who are below 45 years of age.
- (d) For admission to a postgraduate programme as a part-time student a certificate from the Head of the Institution/Organization as per Annexure-5 must be submitted along with the application, failing which they will not be allowed to appear for interview.
- (e) The part-time students will be required to attend all lecture/tutorial/practical classes for the courses prescribed for them and must satisfy the attendance requirements as per the institute regulation. They are required to submit all assignments in time.
- (f) The part-time students will not be eligible for any assistantship etc.
- (g) The status of a part-time student will not be changed from part-time to a regular full-time student.
- (h) Members of the Staff of the Malaviya National Institute of Technology Jaipur seeking admission, as part-time sponsored candidates should submit the sponsorship certificate from the Registrar and the staff working in different projects in the Institute should submit the sponsorship certificate from the competent authority.

#### **D. Foreign candidates**

- (a) Foreign candidates seeking admission to postgraduate courses should apply through the Govt. of India or under Cultural Exchange Programmes or through

Educational Consultants (India) Ltd., New Delhi. They may seek necessary help from the Indian Embassy in their country or their Embassy in India.

- (b) Foreign candidates are required to undergo medical examination as per medical rules of the Ministry of Human Resource Development, Govt. of India.
- (c) Foreign candidates will be admitted only after obtaining the clearance from the Govt. of India. Foreign candidates having students/provisional students visa only are eligible for admission.

## 5. ADMISSION PROCEDURE

### 5.1 Admissions to Ph.D. programmes

The admission to Ph.D. programme for the year 2007-2008 will be carried out on the basis of the fulfillment of requirements by the candidates and availability of the supervisor to supervise the proposed research work. The short-listing of applications for the purpose of admission will be done by the respective department. Please refer to Institute Prospectus on the MNIT Jaipur website for Department and Faculty profiles-<http://www.mnit.ac.in/academic>.

#### 5.1.1 Requirement for Award of Ph.D. Degree

The Ph.D. programme consists of two stages. In the stage 1, the research scholar will be treated as a student and he/she is to complete the credit requirement as given in Table 4. Followed by this, the student has to take a comprehensive and oral examination. In the second stage, the research scholar who has passed the comprehensive examination will formally register as a candidate for Ph.D. degree.

**Table 4 Course credit requirements**

<b>S.No.</b>	<b>Candidate Having</b>	<b>Minimum credit Requirements</b>
1	M.Tech. or Equivalent OR MBA with B. Tech./B.Arch./B.Pharma/ M. Sc./MCA (for management only)	08 credits
2	B.Tech./M.Phil/M.Sc./M.B.A./M.A. or equivalent	16 Credits

## 5.2 Admissions to M. Tech./M. B. A./M. Sc. programmes

Admissions to various postgraduate academic programmes of the institute are open to all Indian nationals irrespective of caste, creed and sex. The selection criteria Table 5 would be as per Admissions will be made strictly in order of merit of the candidate and the basis for calculating candidates merit for different academic programmes.

**Table 5 Selection Criteria to Postgraduate Programmes leading to M.Tech./M.Sc./MBA**

<i>Candidates Status</i>	<i>Basis for Selection</i>
Full-time M. Tech. (Regular) candidates with Valid GATE Score	Valid GATE score, merit of qualifying examination & interview
Full-time M.Tech. (Regular) candidates without valid GATE score	Merit of qualifying examination & interview
Full-time & Part-time M. Tech. (Sponsored) candidates	Experience, merit of qualifying examination & interview
Full-time M.B.A.	Written examination
Full-time M.Sc.	Merit of qualifying examination & interview

### Declaration of Result/Merit List

The result on the basis of the criterion as mentioned in Table-5 will be declared on the day of counselling and/or interview. If selected the candidates will have to report for registration as and when notified by the respective department and also on July 17, 2007.

### Offer of Admission

The candidates will be offered admission on the basis of selection criterion given in Table-5. The candidates will have to accept the offer in the proforma given to them at the time of admission/registration i.e. on July 17, 2007. The candidates will be required to deposit the fees as prescribed by the institute on the dates notified, failing which the admission is liable to be cancelled. The offer of admission will be provisional subject to submission of all the required documents in original by the dates specified.

## 6. GENERAL INFORMATION

- Admission will be to the first semester of the respective postgraduate programmes.
- Admission to various PG programmes leading to M.Tech./M.Sc. degree would be based on a merit list prepared. The merit list will be made available on the website of the Institute. No separate information will be sent to the candidates.
- A student who is admitted and registered for a postgraduate programme at the Institute but leaves after completing or discontinued his/her studies, shall not be admitted to a programme at the same level.
- The institute reserves the right not to run any particular programme, if the number of students in that programme is less than the minimum number specified by the Institute at the time of admission.

- (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) Candidates belonging to SC/ST/PH (the proper format for SC/ST is given in Annexure-1) must submit along with application form the requisite certificate as applicable from the competent authority, as per list given in Annexure-1 failing which their candidature will not be considered under Reserved Category.
- (g) There is no age restriction for postgraduate programmes.
- (h) 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.

**Table 6 Number of Seats**

Programmes	Full Time					Part Time
	General	Sponsored	SC	ST	OBC*	
M. Tech.	10	5	2	1	--	6
M.B.A.	31	--	6	3	--	--
M. Sc.	16	--	3	1	--	--

\* Subject to Government norms for reservation to OBC in force at the time of admission.

The institute reserves the right to alter the number of seats in any programme without any prior notice. For PH category, 3% of the total seats are reserved in every programme over and above the sanctioned strength.

**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.
- (4) Physically handicapped candidate 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 receipt of completed Application Forms for postgraduate admission 2007-08 is April 20, 2007.

## 7. FINANCIAL ASSISTANCE

### 7.1 Financial Assistance for Ph.D. programmes

Financial assistance can be considered for full time scholars on the basis of merit. Duration of the assistantship will normally be up to 4 years, but can be extended for another one year under special circumstances on case-to-case basis. A student receiving assistantship will be required to devote at least eight hours per week towards the departmental or Institute work assigned to him/her. If assistantship from the Institute is not available, students can be admitted on self-finance basis.

The assistantship for full time research scholars will be as under:

Those receiving fellowships from sponsored projects or from any other funding agencies such as the Council of Scientific & Industrial Research (CSIR), Department of Atomic Energy (DAE), University Grants Commission, etc. will not be eligible for the Institute assistantship.

Duration	Amount of Assistantship	
	With M.Tech./M.E. or equivalent qualifications	With B.Tech./B.E./M.Sc. equivalent qualifications
For first two years	Rs.9500/- per month	Rs.8000/- per month
For next 2 (3) years after reviewing the progress of work	Rs.10000/- per month	Rs.9000/- per month

Contingency grant will be admissible to the full time research scholars who have been awarded the Institute assistantship.

### 7.2 Assistantship for M. Tech. programmes

- Assistantship @ Rs. 5000/- per month will be awarded to GATE qualified candidates as per norms for the duration of the M. Tech. programme. The number of assistantship in each programme will be as per guidelines of MHRD. However, GATE qualified candidates do not automatically become eligible for the sanction of this assistantship. The candidates should qualify in GATE with a minimum score of 75 percentile for general candidates and 50 percentile for SC/ST candidates to become eligible for MHRD assistantship.
- Assistantship will not be awarded to those who are in receipt of salary from any source.
- In case a student decides to discontinue the postgraduate programme, he/she will be required to refund the entire amount of assistantship drawn.

- (d) If a student is directed to discontinue his/her studies by the institute for reasons of negligence/shortage of attendance/improper behavior/ use of unfair means at the institute examination or any other reason at the discretion of the institute, he/she will be liable to refund the entire amount of assistantship received. Assistantship once discontinued will not be restored.
- (e) The continuance of the assistantship shall depend upon the satisfactory progress report of work, attendance, conduct of the recipient as communicated by the Head of the Department concerned and academic performance in the End Term Examination, as per ordinances/ regulations in vogue.
- (f) The initial payment of assistantship to the eligible students is generally delayed due to time required for processing.
- (g) There are approved numbers of seats in different programmes as indicated in Table 2 for which assistantships are in limited number GATE qualified candidates will only be eligible for assistantship. Sponsored candidates are admitted without MHRD scholarship through test and/or interview. All the candidates seeking admission to the various M.Tech./M.Sc. programmes will have to apply in the prescribed application forms available at MNIT website.

## 8. FEES

### 8.1 Fee Structure for Ph.D. students

Institute dues payable by 2007-2008 entry students

	<i>General</i>		<i>SC/ST</i>	
	At the time of registration	Subsequent Semester	At the time of registration	Subsequent Semester
Hosteller	Rs.22900.00	Rs. 6200.00	Rs. 17900.00	Rs. 1200.00
Non-Hosteller	Rs. 13800.00	Rs. 5100.00	Rs. 8800.00	Rs. 100.00

### Tuition Fee Waiver to Ph.D. Students/Candidates

(The following categories of research students/candidates are eligible for 50% tuition fee waivers).

- (i) All full-time Institute research students/candidates including QIP. The Institute research students/candidates include those who obtain scholarship through MHRD, CSIR & UGC, provided they are getting scholarship of the same values as that of MHRD, etc.
- (ii) The Institute staff pursuing Ph.D. at the Institute including those getting assistantship from projects provided the amount of fellowship coming from the project is equal to Institute fellowship.

- (iii) Research students/candidates admitted to Ph.D. programme from DST, CSIR and other government Organisation/Institutions.

Additional 25% fee waiver can also be given on case-by-case basis, the maximum number of such waivers being restricted to 50% of the Institute research students/candidates on roll. For grant of additional 25% fee waiver to the full-time Institute research students/candidates, the respective DRC will assess the performance and consider the cases of the deserving scholars on case-by-case basis and recommend the name(s) of the concerned students/candidate(s) to the Dean, Academic Affairs for approval.

- (iv) For the Institute staff pursuing Ph.D. at the Institute including those getting assistantship from projects, the tuition fee is waived up to 75%.

### 8.2 Full Time M. Tech./M.B.A./M.Sc.

	<i>General</i>		<i>SC/ST</i>	
	<i>At the time of registration</i>	<i>Subsequent Semester</i>	<i>At the time of registration</i>	<i>Subsequent Semester</i>
Hosteller- FT	Rs.22900.00	Rs. 6200.00	Rs. 17900.00	Rs. 1200.00
Non-Hosteller- FT	Rs. 13800.00	Rs. 5100.00	Rs. 8800.00	Rs. 100.00
Part Time	Rs. 8500.00	Rs. 5500.00	Rs. 3500.00	Rs. 500.00

*All fees is to be deposited on the date of registration. In case, the fee structure is revised by the institute at any time during the course of studies it will be binding for all the candidates.*

### 8.3 Hostel Accommodation

Limited hostel accommodation for students taking admission in regular (Full-time) Ph.D./ M.Tech./M.B.A./M.Sc. courses is available in the institute campus and the same will be made available on the basis of their admission merit.

For married Ph.D. students, only a limited accommodation is available. The hostel for married students has one/two-room suite(s) with an attached bath and a kitchen for each resident family.

## 9. REGISTRATION

A system of registration is followed for all the students joining the institute. The selected candidates will have to register personally on the date of registration after depositing the required fees as given in para 8. At the time of registration, the candidate is required to fill-up registration Form/Card and get himself/herself registered. After registration, students should report to the concerned Head of the Department and submit the joining report. The proof of joining the institute shall be the registration card and the fee receipt. Assistantship will be granted only after receiving the joining information from the departments and the undertaking as per the institute norms (wherever applicable). Regular classes will start as per the time schedule (Academic Calendar of the Institute) declared by the institute.

### 9.1 Cancellation of Admission

The institute has the right to cancel, at any stage, the admission of a candidate who is found admitted to a course to which he/she is not entitled, being unqualified or ineligible in accordance with the ordinances and statutes in force.

### 9.2 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.

### 9.3 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.

## 10. 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. Application form may be downloaded from the web site and be sent alongwith the Demand Draft of Rs. 300/- (Rs. 150/- for SC/ST category) in favour of the Registrar, MNIT, Jaipur payable at Jaipur.
- c. The duly completed application should be sent to the following address.

*Electronics submission of forms will not be accepted.*

**For further information too, please contact:**

Office of  
Dean, Academic Affairs  
**Malaviya National Institute of Technology**  
J.L.N. Marg, Jaipur (Raj.) 302017.

Ph. 0141-2529078 (O)/ 2529023 (O)  
Fax 0141-2529029(O)

Web Site: [www.mnit.ac.in/academic](http://www.mnit.ac.in/academic)

- d. The candidate must keep a photocopy of the form for future reference.
- e. Application forms found incomplete or received after the last date of receipt of completed application forms i.e. Friday, April 20, 2007 will be rejected without any intimation to the candidate and no correspondence will be entertained in this regard.
- f. Request for change of category received after the last date, i.e. April 20, 2007 will not be accepted under any circumstances.

- g. Application form should be neatly and legibly filled by the candidate in his/her own handwriting. Fill each column strictly as per the information desired in the column.
- h. Attested photostat copies of the certificates/testimonials should be enclosed with the Application Form. In no case, **the original certificates/testimonials should be enclosed with the Application Form.**
- i. Application Form either incompletely filled or without attested copies of the certificates/testimonials is liable to be rejected.
- j. Attested photostat copies of the following certificates have to be enclosed along with the Application Form:
- 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.
  - Provisional/Final Degree certificate/Migration Certificate in original must be attached.
  - The Marks Sheet/Grade Card of Qualifying Examination including Diploma if applicable.
  - Character Certificate from the Director/Dean of Students Affairs of the Institute from where the candidate has graduated (For Full-time course applicants only).
  - Character Certificate from two persons of repute where the candidate has been residing for the last two years (For part-time course applicants only).
  - Certificate from the employer on the official stationary and rubber stamp of the organization/institution (For full-time/part-time sponsored candidates only).
  - GATE score card. (For full-time regular candidates).
- k. **Original certificates will be required at the time of personal interview/counselling before the Admission Committee. In case, the candidate fails to produce the original certificates at this time, he/she will not be considered for admission.**
- l. If the candidate is seeking admission under the reserved category, he/she should produce the original certificate along with the application.
- Two recent passport size photographs should be brought.
  - Health Certificate (in the proforma enclosed with the application form).
- m. The selected candidates are required to deposit fees as mentioned in 6.4 at the time of counselling in the form of bank draft drawn on a scheduled bank in Jaipur in favor of the Registrar, Malaviya National Institute of Technology Jaipur. No other mode of payment is acceptable. In case, the candidate having been offered admission does not join or discontinues after joining, the amount excluding caution money will be forfeited.
- n. For the candidate who is not offered firm admission a facility exists to keep him/her on the waiting list against the vacancies likely to be created within two weeks from the date of commencement of classes. **Candidate desirous of availing the facility will have to deposit Rs. 13800/- (Rs. 8800/- for SC/ST candidates)** only at the time of

counselling. In case, he/she is offered admission at a future date (which will be within two weeks from the date of commencement of classes) and does not join, the above amount, except caution money, will not be refunded to him/her. The deposit will be fully refunded if admission is not offered or the candidate withdraws his/her name from the waiting list before admission is offered to him/her.

- o. The candidate has to make his/her own arrangements for staying at Jaipur when he/she comes for the counselling and/or interview. No TA and DA are admissible.
- p. In case the candidate is seeking admission as a sponsored candidate, he/she should submit a certificate from his/her present employer on official stationery with rubber stamp that he/she will be sponsored on deputation/study leave/extra ordinary leave with permission to attend the full time M.Tech. course if he/she is admitted. The employer should also indicate that the candidate will not be withdrawn midway till the completion of the course.

**Annexure 1****AUTHORITIES WHO MAY ISSUE CASTE/TRIBE CERTIFICATE**

(SC/ST 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 2****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 ..... 2007. 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 3****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 ..... 2007. 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 4

**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 he/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 bear the total expenses of his/her studies. We shall fully relieve him/her duties in the organization during the entire period of the M. Tech. programme to enable him/her to devote full time to the studies and the sponsorship for admission will not be withdrawn midway till completion of the course. Our enterprise is registered in a stock exchange/had an annual turn over of over Rs. 5.0 crores in the past two years (for candidates working in a firm / company / industry).

Place: .....

Date:.....

Signature of Head of the Institution/Organization with seal

Name .....

Designation .....

## Annexure 5

**NO OBJECTION CERTIFICATE**

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

(On a letterhead of the sponsoring organization &amp; 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 release him/her during working hours to undergo the programme as per MNIT, Jaipur time-table. We understand that the duration for part time M.Tech. is expected to be 3 years.

It is noted that normal instructional hours are from 8.00 a.m. to 5.00 p.m. and also some courses may be held in extra time slots. We shall bear the total expenses of his/her studies.

Place: .....

Signature of Head of the Institution/Organization with seal

Date:.....

Name .....

Designation .....