



MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, *BHOPAL*

(An Institution of National Importance under Ministry of Education, Govt. of India)

INFORMATION BROCHURE

Ph.D. Admissions December 2022

Academic Year: 2022-2023

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Note:

1. Candidates are advised to visit the institute website regularly for updates (if any). No individual communication via postal or e-mail shall be made regarding selection procedure by the institute.
2. Applicants are advised to go through the institute's Ph.D. Ordinance and amendments as available on the institute website <http://www.manit.ac.in> for norms, rules and regulations.
3. Institute reserves the right to refuse admission to any candidate, or cancel the whole admission process, without assigning any reason.
4. In case of any ambiguity, typographical error or mistake, the decision of Chairman, Senate shall be final.
5. All disputes related to admission shall be subject to Bhopal Jurisdiction only.

1. ADMISSION CATEGORIES:

Following are the four categories under which a candidate can apply depending upon his/her eligibility:

1. **Regular (Full Time) Research Scholar.**
2. **Sponsored Research Scholar:** *Admission under sponsored research scholar category is only for the candidates from Government organization, Public Sector & Research Institute (as per Ph.D. Ordinance).*
3. **JRF/Project Associates**
 - a. For candidates having minimum three years fellowship awarded from any Government Agency.
 - b. In all Department/Centres of MANIT, Bhopal (as per **Ph.D.** ordinance 10.1.1(3))
4. **Internal** faculty members working in MANIT Bhopal in regular capacity.

The admission of internal candidates of MANIT Bhopal in the program may be given with following norms:

- (i) No change or relaxation of norms in admission process. The Candidate has to undergo normal selection process as external candidates.
- (ii) They have to complete the course work as required for external candidates. However they will undergo course work as 8 credits per semester to balance the work as a student and educator.
- (iii) There will not be any relaxation with respect to their academic and administrative duties.
- (iv) Institute shall not bear any financial liability towards pursuing the Ph D Program.
- (v) These candidates will be admitted as “Part Time (Internal)”.

2. DEPARTMENTS OFFERING Ph.D. PROGRAMMES:

S.No	Department/ Centre
1.	Architecture & Planning
2.	Biological Science & Engineering
3.	Centre for Artificial Intelligence
4.	Centre of Excellence in Product Design & Smart Manufacturing
5.	Centre of Excellence in Water Management
6.	Chemical Engineering
7.	Chemistry
8.	Civil Engineering
9.	Computer Science & Engineering
10.	Energy Centre
11.	Electrical Engineering
12.	Electronics & Communications Engineering
13.	Humanities and Social Sciences
14.	Management Studies
15.	Materials & Metallurgical Engineering
16.	Mathematics, Bioinformatics & Computer Applications (MBC)
17.	Mechanical Engineering
18.	Physics

3. ELIGIBILITY:

a) For admission categories 1, 3 and 4

S. No.	Stream	Essential Qualification In Relevant Area
1	Engineering	Bachelors & Master degree in <u>Relevant</u> Engineering with minimum of 60% marks / CGPA 6.5 , with GATE <i>qualified</i> .
		Bachelors degree in <u>Relevant</u> Engineering with minimum of 70% marks / CGPA 7.5 or above , with GATE <i>qualified</i> .
		Bachelors degree in <u>Relevant</u> Engineering with minimum of 80% marks/CGPA 8.5 or above from Institute of National Importance (IIT/IIIT/NIT) , without GATE <i>qualified</i> .
2	Sciences	Bachelors & Master degree in <u>Relevant</u> Sciences/ Engineering with minimum of 60% marks/CGPA 6.5 with NET/ GATE qualified.
3	Architecture and Planning	Bachelors & Master degree in Architecture / Planning with minimum of 60% marks / CGPA 6.5 with GATE qualified.
		Bachelors degree in <u>Relevant</u> Engineering with minimum of 70% marks / CGPA 7.5 or above , with GATE <i>qualified</i> .
		Bachelors degree in <u>Relevant</u> Engineering with minimum of 80% marks/CGPA 8.5 or above from Institute of National Importance (IIT/IIIT/NIT) , without GATE <i>qualified</i> .
4	Humanities and Social Sciences	Bachelors & Master degree in Humanities / Social Sciences with minimum of 60% marks / CGPA 6.5 with NET <i>qualified</i> .
5	Management	Bachelors degree in any stream with MBA having minimum of 60% marks/CGPA 6.5 with NET/GATE <i>qualified</i> .

b) For admission category 2

S. No.	Stream	Essential Qualification
1	Engineering	Bachelors & Master degree in <u>relevant</u> Engineering with minimum of 60% marks or CGPA 6.5 .
2	Sciences	Bachelors & Master degree in <u>relevant</u> Sciences/ Engineering with minimum of 60% marks or CGPA 6.5 .
3	Architecture and Planning	Bachelors & Master degree in Architecture / Planning with minimum of 60% marks or CGPA 6.5 .
4	Humanities and Social Sciences	Bachelors & Master degree in Humanities / Social Sciences with minimum of 60% marks or CGPA 6.5 .
5	Management	Bachelors degree in any stream with MBA having minimum of 60% marks/CGPA 6.5 with NET/GATE <i>qualified</i> .

Reservations are as per prevailing GOI Norms. For reserved category students i.e. SC/ST/PwD a relaxation of 5% (0.5 in CGPA) is applicable.

4. SEAT MATRIX:

a) Full Time Research Scholars

S. No	Department	UR	EWS	SC	ST	OBC	Total
1	Architecture & Planning	2	0	1	0	1	4
2	Biological Science & Engineering	2	0	0	1	1	4
3	Centre of Artificial Intelligence	1	0	1	0	1	3
4	Centre of Excellence in Product Design & Smart Manufacturing	1	1	0	0	1	3
5	Centre of Excellence in Water Management	1	0	1	0	1	3
6	Chemical Engineering	2	0	1	0	1	4
7	Chemistry	2	1	0	0	1	4
8	Civil Engineering	5	1	2	1	3	12
9	Computer Science & Engineering	2	1	1	1	1	6
10	Energy Centre	2	0	1	0	1	4
11	Electrical Engineering	2	1	1	1	1	6
12	Electronics & Communications Engineering	4	1	2	2	3	12
13	Humanities and Social Sciences	2	1	1	0	2	6
14	Management Studies	2	1	0	0	2	5
15	Materials & Metallurgical Engineering	2	0	1	0	1	4
16	Mathematics, Bioinformatics & Computer Applications (MBC)	3	1	1	0	2	7
17	Mechanical Engineering	4	1	0	1	4	10
18	Physics	2	0	1	1	1	5
Total		41	10	15	8	28	102

Note: The reservation of Persons with Disability (PwD) is 5% overall as per Government of India norms. Reservation of SC/ST/OBC/EWS is as per prevailing GOI norms.

b) Sponsored Research Scholar: There shall be two seats of Sponsored Research Scholars in each department/centres.

5. FEE STRUCTURE:

The fee structure for the Academic Year 2022-23 is as per **Annexure I**. There will be no exemption of tuition fee to any category of Ph.D. students. Hostel facility is not available for Ph.D. Students.

6. APPLICATION PROCEDURE:

Applications are invited for Ph.D. Programme in the Departments as listed in point no. 2:

- a) The application form can be filled from <http://erp.manit.ac.in/ext/adm/login>
- b) Completed form downloaded along with self attested copies of essential documents and **non-refundable processing fee of Rs. 1500/- (for UR, OBC & EWS) and Rs. 1000/- (for SC/ST/PwD candidates) should be submitted to Assistant Registrar (Academic), MANIT Bhopal – 462003 up to 11th December 2022**. The payment of processing fee is to be done only through SBI online “SBI Collect” (The steps are available for online fee payment through SBI Collect on the institute website) into the account of the Director, MANIT, Bhopal. **The envelope must contain the following header “Application form for Ph.D. Admission in Department”**. Applicant must submit separate processing fees, if he/she wishes to apply in different departments. Applications received after due date will not be entertained.
- c) No individual communication via postal or e-mail shall be made regarding the written test and/or interview of the institute. The schedule of the selection process will be displayed on the institute website only, after initial scrutiny of the application forms. Candidates are advised to visit the institute website regularly for further updates.
- d) List of Essential Documents:
 - (i) If applicants have applied for multiple departments, the priority list of the choice of department duly signed must be submitted on a plane paper.
 - (ii) 10th Class Marksheet
 - (iii) 12th Class Marksheet
 - (iv) Graduation Marksheets (All semesters)
 - (v) Graduation Degree Certificate
 - (vi) Post Graduation Marksheets (All semesters)
 - (vii) Post Graduation Degree Certificate / Completion Certificate

- (viii) GATE score card / NET qualified certificate & score card.
- (ix) EWS/OBC/SC/ST/PWD Certificate , If applicable
- (x) Experience Certificate and NOC (for sponsored research scholars only)
- (xi) Publication details, if applicable
- (xii) OBC-NCL certificate (issued by competent authority on or after 1st April, 2022)
- (xiii) EWS Certificate (issued by competent authority on or after 1st April, 2022)
- (xiv) Experience/ Gap Certificate, if applicable
- (xv) SBI Collect receipt copy.
- (xvi) Copy of Fellowship award for minimum three years from any Government Agency, if applicable.
- (xvii) Any other relevant document.

7. SELECTION PROCEDURE:

The selection will be based on the candidate's academic research profile and following criteria:

Weightage of written test	50%
Weightage of Interview (if found eligible for research)	20%
Weightage of UG	5%
Weightage of PG	5%
Weightage of GATE/NET/CAT marks	20%

Written Test: For each department, admission test of total two hours shall be conducted as per following structure:

- a) **Section I:** Research Aptitude Test (Max. Marks:100, Duration: 01 hr, Questions: 50). There shall be a common paper across all the streams and cut off shall be minimum 35% of the total marks for qualified students with relaxation of 5% for SC/ST/PWD candidates. Research Aptitude Test shall comprise of quantitative reasoning (40%) mental ability (30%) and communication skill (30%).
- b) **Section II:** Concerned Discipline (Max. Marks:100, Duration: 01 hr, Questions: 50). In this section, the syllabus of GATE/NET/CAT for the respective discipline shall be followed.

The answer sheets of Section 2 will only be evaluated when a candidate attains minimum cut off marks in Section I. Branch wise merit list shall be prepared as per table given above considering the marks of section II only.

There is negative marking for wrong answers. Two marks shall be awarded for every correct answer and Half marks will be deducted for every wrong answer.

No TA/DA will be paid for attending the written test &/or Interview.

8. TEACHING ASSISTANTSHIP:

Candidates selected as Regular (full time) research scholars (GATE/NET Qualified) shall be eligible for Teaching Assistantship as per Government of India / Institute norms. This shall be awarded to the Regular (full time) research scholars on a semester-to-semester basis depending upon regular registration in each semester and satisfactory academic performance of the scholar as per Ph.D. Ordinance (Clause 10.2.2) and subsequent amendments by MoE. Selected candidates will be required to assist in teaching in the respective departments, equivalent to 8 hrs per week. *Teaching assistantship shall be provided from the date of joining the respective department.* **However, no teaching assistantship shall be provided to UG candidates without GATE , Internal and Sponsored Research Scholar.**

9. SCHEDULE:

S.No.	Schedule	Date
1.	Last Date of form submission online	05/12/2022
2.	Last date for receipt of application by post	11/12/2022
3.	Tentative Date of written test	22/12/2022
4.	Tentative Date of Interview	23 rd & 24 th December, 2022
5.	Result Declaration on institute website	30 th December, 2022 (Tentative)
6.	Admission Date	Latest by 06/01/2023
7.	Start of Course work	09/01/2023

Institute reserves the right to change the schedule as per the prevailing conditions.

10. ADDRESS FOR COMMUNICATION:

The hardcopy of the application along with the self attested documents and fee details should be sent by speed post to:

Assistant Registrar (Academic)

Maulana Azad National Institute of Technology (MANIT),

Near Link Road no. 3, Bhopal (MP)-462003

Contact No. - 0755-4051055, 0755-4051056

(Any postal delay shall be the responsibility of the candidate and will not be entertained by MANIT Bhopal)

DIRECTOR

ANNEXURE B: Certificate from the employer for sponsored candidates to be issued on Employer's letter head

1. Name of the Employer : _____
2. Type of Organization: Central Government State Government
 National Level Research Organization
 Public Sector Enterprise
3. Address of Administrative Officer/HR Manager : _____

Phone : _____ Fax: _____
Email : _____ Mob. _____
4. Designation of the Employee : _____
Seeking admission in MANIT
5. Employment Details :
a) First joined on (date) : _____
b) Holding the present Position since (date) : _____
c) Nature of Job : _____

(R & D, Design, Production, Marketing, Administrative, Teaching)

This is to certify that, Mr/Ms. _____ employed as _____ in this organization in regular capacity, is sponsored for admission to Full Time Ph.D Programme at MANIT, Bhopal. He / She has been employed in this organization for the past _____ years in a regular cadre. If selected the organization has no objection to his/her undergoing Ph.D Programme under Sponsored category at MANIT, Bhopal. He/ She, if selected, shall be allowed to attend the classes in day time and to stay in the campus/ Bhopal during his/ her Ph.D program course work.

Signature of Applicant

Seal & Signature of Competent Authority

Name, Designation

FEE STRUCTURE

Description	Ph.D (Regular, Sponsored & Internal)
Tuition Fee	Semester Fee
For All Categories	10,000.00
Refundable Fee (All category)	
Institute Caution Money	5,000.00
Onetime fee (Non refundable) for all categories payable at the time of admission	
Academic Fee (Including Degree, Migration , Character & I Card)	2,000.00
Alumini Fee	1,000.00
Convocation Fee	2,000.00
Total onetime fee	5,000.00
Other fees payable in every semester	
Poor Students fund	600.00
Student Medical Fund	400.00
Institute development fund	2,500.00
Student activity fee	1,000.00
Library fee	1,000.00
Registration & Examination fee	1,500.00
Central Computing facility & Internet fee	1,500.00
Total other fees	8,500.00