Prospectus for

Joint Ph. D. Program
MANIT Bhopal and AIIMS Bhopal
Winter Session (January 2025)

मौलाना आजाद राष्ट्रीय प्रौद्योगिकी संस्थान, भोपाल
(भारत सरकार के शिक्षा मंत्रालय के अधीन राष्ट्रीय महत्व का संस्थान)

MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL

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

Link Road No.- 03, Bhopal – 462 003 (Madhya Pradesh)
Contact No. - 0755-4051055, 0755-4051056

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1. INTRODUCTION

MANIT BHOPAL

Maulana Azad National Institute of Technology (MANIT) Bhopal is an Institute with total commitment to quality and excellence in academics with the mission to produce technical professionals abreast with competence, logical mindset, moral and ethical values and inner strength synchronous with the futuristic requirement of global business to strengthen the national economy.

It was established as one of the eight Regional Engineering Colleges of India in 1960 as a joint enterprise of Government of India and Government of Madhya Pradesh. Later on, MANIT was transformed into National Institute of Technology and Deemed University fully funded by the Government of India. With the enactment of National Institutes of Technology Act-2007(29 to 2007), the Institute has been granted the status of institution of national importance.

Institute Website: **www.manit.ac.in**

AIIMS BHOPAL

All India Institute of Medical Sciences (AIIMS), Bhopal is one of the apex healthcare institutes being established by the Ministry of Health & Family Welfare, Government of India under the Pradhan Mantri Swasthya Suraksha Yojna (PMSSY), to correct regional imbalances in quality tertiary-level healthcare in the country, and attaining self-sufficiency in Graduate and Postgraduate medical education and training.

These institutions were established by an Act of Parliament on lines of the original All India Institute of Medical Sciences in New Delhi which imparts both undergraduate and postgraduate medical education in all its branches and related fields, along with Nursing and Paramedical training to bring together in one place educational facilities of the highest order for the training of personnel in all branches of health care activity.

Institute Website: **www.aiimsbhopal.edu.in**

1.1 About Joint-PhD Program.

The PhD program jointly offered by MANIT Bhopal and AIIMS Bhopal aims to create a collaborative environment for engineers, doctors, and scientists to share knowledge and drive innovation. This initiative focuses on developing indigenous healthcare devices, medicine, and systems through incubation and entrepreneurship. The program is structured to be flexible, fostering synergy between the skills of technologists and medical professionals. By integrating technology and medicine with entrepreneurship, it provides a unique platform for participants to develop innovative healthcare technologies, devices, and systems.

1.2 Joint PhD Program Structure.

The **Joint-PhD Program** offers opportunity to PhD students enrolled in both institutions to collaborate with faculty members and research teams from MANIT Bhopal and AIIMS Bhopal on a multidisciplinary research project, as well as to take advantage of the facilities and professional development opportunities offered by both the institutions.

1. Candidates who are interested in pursuing Joint PhD program (MANIT Bhopal and AIIMS Bhopal) can either apply to MANIT Bhopal and AIIMS Bhopal against their respective advertisements.

2. The Institute to which candidates apply will be considered as the '**Primary Institute**' for the candidate, while other Institute will be considered as the '**Host Institute**'.

3. Candidate should begin his research and study at the 'Primary Institute'; however it is expected to spend a minimum of 12 months at the "Host Institute". Further, the timing and duration of the stay at the 'Host Institute' will depend on the requirements of the research program. Travel to and study at the 'Host Institution' will be contingent upon the usual requirements of the PhD research project.

4. Candidates who would like to choose MANIT Bhopal as 'Primary Institute, should apply against this advertisement.

5. In-service applicant from MANIT Bhopal and AIIMS Bhopal (*Faculty/Scientists/Employee*) will be considered for Ph.D. registration as per the guidelines laid down by the respective institutes.

6. Candidate shall undertake a program of progress monitoring and examination that meets the requirements of both institutions.

7. Candidate must comply with the rules, regulations, policies, codes, and procedures of 'Primary Institute' as well as 'Host Institute' (*for the period of coursework/research at the host Institute*).

8. Candidates will carry out the research work in both the Institutes (Primary and Host institutes). Chief Supervisor and Supervisor are required to facilitate the resources required for the research work.

9. On successful completion of the program requirements, candidates will be awarded a PhD degree jointly by both the Institutions.

1.3 General Eligibility Criteria

1. **Primary Institution:** Where the candidates begin their studies and spend the majority of time. The expectation is that candidates will spend a minimum of 12 months at the other Host Institution. Candidates who will apply against this advertisement, for them MANIT Bhopal will be 'Primary Institute' and AIIMS Bhopal will be 'Host Institute'.

2. Candidates admitted in this category shall not be a registered student in any other academic program in India or abroad and shall not be a full-time or part-time employee of any organization in India or abroad. A candidate seeking admission to the joint PhD program

conducted by MANIT Bhopal and AIIMS, Bhopal must possess at least one of the following qualifications:

i) Eligibility criteria for Engineering Students: Master's degree in respective discipline Engineering/Science with minimum of 60% or CGPA 6.5 (on a 10-point Scale) with GATE/NET score.

<div align="center">OR</div>

B.E./B.Tech/B.Arch/B.Plan or Equivalent Degree with minimum of 70% marks or 7.5 CGPA (on the scale of 10) from an Institute of National Importance/Centrally Funded Technical Institutions (CFTI) with a valid GATE Score

ii) Eligibility criteria for Medical Students: MBBS/BDS/MD/MS/MDS/DM/M.Ch/ BAMS/ BYMS/ BHMS/DNB in the subject concerned. Candidates who have obtained any of these degrees from medical colleges which are not recognized by the Medical Council of India/Dental Council of India/Nursing Council of India/National Medical Commission shall not be eligible to apply. Candidate should have at least 55% marks (GEN/GEN-EWS/OBC) in the last eligibility examination qualified.

iii) Eligibility criteria for Nursing Students: Candidates with M.Sc. Nursing qualification recognized by Indian Nursing Council can apply. Candidate should have at least 55% marks (GEN/GEN-EWS/OBC) in their Master's degree.

iv) Eligibility criteria for Life Science Students: Master's Degree (two years course) awarded by Indian Universities or equivalent in the subject. Candidate should have at least 55% marks (GEN/GEN-EWS/OBC) in the last eligibility examination qualified.

v) Eligibility criteria for Non-Life Science Students: Candidates with qualification in non-life sciences subject (M.Sc., M. Pharma, M.A.(Psychology) and M.A. in Social work (Social Sciences) can apply. Candidate should have at least 60% marks/6.5 CGPA.

*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 in each eligibility criteria.

3. **Candidates should have their own fellowship from a national/state agency (CSIR/UGC/DBT/ICMR/GATE/etc) and or in-service candidates.**

4. Candidates working under Central Govt./Semi Govt./Autonomous organization should submit their applications through proper channel i.e., employer. They will be required to submit a "No Objection Certificate" from their employer along with the application form before they are allowed to appear for the selection process of the Ph.D. Courses.

5. The candidates must have completed the requisite qualification and degree **on or before closing date of application.**

6. In-service candidates for Ph.D. registration will be considered as per guidelines laid down by Govt. of India.

2. Selection Procedure

For Full time Ph. D. Program (research scholar with Institute fellowship /JRF /Project Associates)

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

Weightage of written test	70%
Weightage of Interview (if found eligible for research)	30%

Written Test: For each department, admission test of total one hour shall be conducted as per following structure**:**

- Concerned Discipline (Max. Marks: 100, Duration: 01 hour, Questions: 50). In this section, the syllabus of GATE/NET/CAT for the respective discipline shall be followed as per the attached syllabus.

3. DEPARTMENTS OFFERING Ph.D. PROGRAMMES:

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

Following departments from AIIMS Bhopal will participate in joint Ph.D. program**:**

S. No	Department/ Centre	S. No	Department/ Centre	S. No	Department/ Centre
1.	Anatomy	6.	Endocrinology	11.	Pharmacology
2.	Anesthesiology	7.	Microbiology	12.	Physiology
3.	Biochemistry	8.	Orthopaedics	13.	Psychiatry
4.	Community and Family Medicine	9.	Paediatrics	14.	Radiotherapy
5.	Dentistry	10.	Pathology & Lab Medicine	15.	Translational Medicine

4.   Application Procedure:

Applications are invited for joint Ph.D. Programme in the Departments as listed in point no. 3:

a)   The application form can be filled from http://erp.manit.ac.in/ext/adm/login

b)   Hard copy of completed application form (downloaded filled on ERP) 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 – 462 003 up to 17ᵗʰ December, 2024** The payment of processing fee is to be done only through Gate way available in the online application form. **The envelope must contain the following header "Application form for Joint Ph.D. Admission in ……………………Department".** MANIT, Bhopal is not responsible in any manner for any postal delay. Fee once remitted will not be refunded under any circumstances. Inadequately filled / incomplete applications will be rejected

c)   Applicant must submit separate processing fees, if he/she wishes to apply in different departments. Applications received after due date will not be entertained.

d)   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.

e)   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 for required category

(ix)   Experience Certificate (if applicable)

(x)   NOC from employer if employed

(xi)   Publication details, if applicable

(xii)   Copy of Fee Payment Receipt.

(xiii)   Any other relevant documents

5.   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. 03,

Bhopal (MP) – 462 003

Contact No. - 0755-4051055, 0755-4051056

Please visit regularly the Institute website *www.manit.ac.in* for further instructions & schedule.

6. Rules for admission for in-service candidates applicable for MANIT and AIIMS Employees/other govt. Institute-sponsored candidates:

• In-service faculty members and scientists from Govt. Institutes would also be awarded PhD admission, subject to fulfillment of rules and regulations of the respective institute.

• All in-service/sponsored candidates should route the application through proper channel with NOC from the competent authority of the institute.

6.1 Requirements for admission of "sponsored" candidates

a) Candidates who are permanent employees of any Central/State Government/Armed Forces or the Public Sector Undertaking/Autonomous Body can be sponsored by the respective Government/Defence Authorities or the Competent Authorities of PSU/Autonomous Body.

b) The Department for which the candidate is being sponsored should be clearly specified in the sponsorship form by the sponsoring authority. The candidate can be sponsored for only one department. The applications of those candidates who are sponsored for more than one department will not be considered.

c) "Sponsored" candidate will not be paid any emoluments by the Institute during the training period. Such payments will be the responsibility of the sponsoring authority (i.e. Central/State Government or Defence Authorities).

d) "Sponsored" candidates must submit/send **sponsorship certificate in original to the Office of Registrar** from their employers in the prescribed format along with the application form. Those who fail to do so should submit it before the date of the entrance Exam failing which their candidature will be cancelled.

7.   Important Dates :-

S. No.	Tentative Schedule	Date
1.	Last Date of form submission	**17.12.2024**
2.	Date of written test and Interview	**26.12.2024**
4.	Result Declaration	**31.12.2024**
5.	Admission Date	**03.01.2025**
6.	Start of Course work	As per Institute Academic Calendar

Institute reserves the right to change the schedule as per the prevailing conditions. Please visit regularly the Institute website www.manit.ac.in for further instructions &tentative schedule.

Ph.D. Ordinance Clause no. 10.1.1 Amendment For Sponsored Full Time Ph.D. student	The admission for employees / officers of central/ State Institutions / organizations having more than 10 years of experience and academic MOU with MANIT Bhopal shall be given direct admission to Ph.D. program (maximum two number per department)

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

1.   Name of the Employee   :   _____

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 noobjection 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

MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY
BHOPAL– 462003 (M.P.) INDIA
(An Institute of National Importance)

<u>No objection Certificate for Admission to Ph.D. programme (Project)</u>

Reference No.   Date :_____

<u>Sub. : No Objection Certificate</u>

Dear Sir,

We have no objection if Mr./Mrs./Ms./ _____

Designation_____,a project staff, under the project (title of the project),

sanction letter No._____, in the Department of_____

is admitted to the Ph.D. programme in the Department of_____

of Maulana Azad National Institute of TechnologyBhopal. It is certified that the said project

shall continue for at least three more year.

If selected, we shall allow him/her to attend classes/research work under the said project at Maulana Azad National Institute of Technology Bhopal during the Ph.D. programme without affecting normal project work assigned to him/her.

Signature of Project Investigator   Signature of Dean (R&C)

Name _____

MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY
BHOPAL– 462003 (M.P.) INDIA
(An Institute of National Importance)

<u>No objection Certificate for Admission in to Ph.D. programme (Institute Employer)</u>

Reference No.:   Date :_____

It is certified that we have no objection if Mr./Mrs./Ms. _____

Designation _____ a (regular) employee of this Institute, working in the

Department of _____, is admitted in to the Ph.D.

Programme in the Department of _____ at this

Institute as a Part Time (Internal).

If selected, he/she shall be allowed to attend classes/research work, without affecting normal

duties assigned to him/her.

Signature of Head   Signature of Director
(Department)

Fee Structure for Ph.D. Students

(Full Time/JRF/Internal/ Sponsored/ Part Time/ Executive/Joint Ph.D Programme) Session 2024-25

SI. No	Fee Details	1st Semester Fee (DAY SCHOLAR)
	Maulana Azad National Institute of Technology, Bhopal	
	Fee Structure for Ph.D. Students for the session 2024-25	
1	Tuition Fee	**10000.00**
	One Time Fee	
1.	Caution Money (Refundable)	5000.00
2.	Academic Fee (Including Degree, Migration, Character & I Card)	2000.00
3.	Alumni Fee	1000.00
4.	Convocation Fee	2000.00
	Total One Time fee	**10000.00**
	Semesters Fee	
5.	Poor Students Fund	600.00
6.	Students Medical Fund	400.00
7.	Institute Development Fund	2500.00
8.	Students Activity Fee	1000.00
9.	Library Fee	1000.00
10.	Registration & Examination Fee	1500.00
11.	Central Computing facility & Internet fee	1500.00
	Total of other fee	**8500.00**
	Grand Total (Tuition fee + semester fee + other fee)	**28500.00**
	Medical and other Fee	**600.00**
	Total Rs.	**29100.00**
	Hostel Fee will be paid extra if required	

For further information,

Please contact:

Admission Section
Maulana Azad National Institute of Technology Bhopal,
Link Road No.- 03
Bhopal – 462 003 (Madhya Pradesh)

Contact No. - 0755-4051055, 0755-4051056