



PhD and M.Tech Admission Brochure

1. About the Institute

Indian Institute of Information Technology Bhagalpur (IIIT Bhagalpur) is one of the IITs set up by Ministry of Education (MoE), Govt. of India in Public-Private-Partnership (PPP) mode and it is an institute of national importance. The inauguration of permanent campus of the institute was done by Hon'ble Prime Minister, Shri Narendra Modi, and all the academic activities will be operated from permanent campus. It started functioning in the academic year 2017 in the city of Bhagalpur which is of historical importance on the southern banks of the river Ganges in the state of Bihar. The region has witnessed great educational history by having ancient universities such as Vikramshila University and Nalanda University. Indian Institute of Information Technology Bhagalpur is a joint venture of Govt. of India (50%), Govt. of Bihar (35%), and BELTRON (15%). The institute currently offering B.Tech courses in four branches, namely Computer Science and Engineering, Electronics and Communication Engineering, Mechatronics and Automation Engineering, and Mathematics and Computing. To excel in the field of research in the respective areas the institute is running M.Tech and PhD programs in the respective areas since 2021. The UG & PG batches passed out in last three years and achieved 100% placement. PhD students are getting opportunity to work on real time problems in collaboration with industry and academia. The PhD students have also got opportunities to work in collaboration with foreign Universities. The institute has well-equipped state-of-the-art laboratories to provide real-time experiment-based hands-on experience to students. IIIT Bhagalpur has also well-qualified and experienced faculty from IITs/NITs etc., and dedicated supporting staff.

2. Departments and Specializations.

Online applications are invited for admission to the Doctor of Philosophy (PhD) Program and Master of Technology (M.Tech) program beginning in August-2024 from Indian Citizens. The disciplines and research areas in which these Programs to be offered are given below.

2.1. Name of the Departments offering the Ph.D. Program and Research

Sl. No.	Name of the Department	Research Areas
1	Computer Science and Engineering (CSE)	Computer Architecture, Data Science and AI, Bioinformatics, Cloud Computing, Mobile Computing, Fault tolerance systems, Computer Networks and Wireless communications, IoT and Sensors.
2	Electronics and Communication Engineering (ECE)	Communication Systems, RF & Microwave Engg, Signal and Image Processing, Biomedical Engineering, IoT & Sensors, VLSI & Microelectronics, Artificial Intelligence, Soft Computing.
3	Mechatronics and Automation Engineering (MAE)	Machine Design, Electric Vehicle Technology, Manufacturing Engineering, AI Applications in Electrical Machines.
4	Basic Science and Humanities (BSH) [Mathematics]	Word Combinatorics, String Algorithms, Graph algorithms, Mathematical Modelling of ecological/epidemiological/ biological systems.

2.2. Name of the Departments offering the M.Tech Programs and Specializations

Sl. No	Specialization	Number of Seats*	Department
1	Artificial Intelligence and Data Science	20 (5 CCMT +15 Direct Admission)	Computer Science and Engineering (CSE)
2	Electrical Vehicle Technology	20 (5 CCMT +15 Direct Admission)	Mechatronics and Automation Engineering (MAE)
3	VLSI and Embedded Systems	20 (5 CCMT +15 Direct Admission)	Electronics & Communication Engineering (ECE)

*Reservation for SC/ST/OBC (Non-Creamy Layer)/EWS/PWD candidates will be as per Government of India rules.

**Further details about fee structure, ordinances, and faculty profile, departmental profile, notifications, etc., can be found on institute webpage.

***Direct Admissions shall be from categories 4.1.2, 4.1.3, 4.1.4, 4.2.

3. Categories of PhD Program

3.1. Full Time Research Scholars (Regular):

3.1.1. Institute Fellowship

The selected student in this category works full time towards PhD degree. **Institute scholarship of @ Rs. 35,000/- per month, will be provided to the scholars** and they will be assigned Teaching Assistantship duties. The student must be GATE qualified in respective areas.

3.1.2. External Funding

A student in this category has CSIR-JRF, UGC-JRF, Google PhD Fellowship, NBHM, INSPIRE, Microsoft Research Fellows Program etc. as external funding for PhD program already approved by the concerned authority/organization. The Institute does not provide any assistantship/fellowship in this category.

3.1.3. Sponsored

- i) A student in this category is sponsored by a recognized industrial, R&D organization, academic institution (universities/colleges), government organization (defence or other ministries of the Government of India or any other government organizations including PSUs and autonomous bodies) or reputed industries (as may be recognized by this Institute) for doing research in the Institute.
- ii) The Institute does not provide any assistantship/fellowship in this category.
- iii) Candidate in this category must be an employee of the sponsoring organization (of repute) with a minimum of two-year job experience in the respective field. A student in this category is therefore a professionally employed person, who pursues the program while continuing her/his services.

3.1.4. Self-Financed

A student in this category may work full-time towards the Program. The Institute does not provide any assistantship/fellowship to such a student.

3.1.5. Project Staff

This category refers to a student who is working on a sponsored project in the Institute and willing to be admitted to the Program to work on a full-time basis. The duration of the project should be at least one year. If the project gets completed before the student completes his/her Program, his/her category will be converted to that of Self-Financed.

3.2. Part-Time

Students need to physically attend classes at IIIT Bhagalpur for course work.

3.2.1. Employed

A student in this category is an employed person (including the staff of IIIT Bhagalpur), who wants to pursue the Program, while continuing the duties of her/his service. The Institute does not provide any assistantship/ fellowship to such a student.

3.2.2. Project Staff

This category refers to a student who is working on a sponsored project and willing to be admitted to the Program to work part-time basis. The duration of the project should be at least one year.

4. Categories of M.Tech Program

4.1. Full Time (Regular, 02 year Program- 01 year Course Work, 01 Year Thesis)

4.1.1. Institute Fellowship: Only for those students who will be admitted through CCMT.

4.1.2. Sponsored: Same as 3.1.3.

4.1.3. Self-Financed: Same as 3.1.4.

4.1.4. Project Staff: Same as 3.1.5.

4.2. Part-Time (03 year program- 01 year Course Work, 02 Year Thesis)

Students need to physically attend classes at IIIT Bhagalpur for first two semesters with regular M.Tech students.

4.2.1. Employed: Same as 3.2.1.

4.2.2. Project Staff: Same as 3.2.2.

5. Eligibility Criteria and Required Qualification

5.1. Ph.D (For all categories mentioned in 3)

5.1.1. Engineering

Master's degree in Engineering/Technology in a relevant area with a minimum Cumulative Grade Point Average (CGPA) of 6.5 or 60% of marks or first class or equivalent.

OR

Bachelor's degree in Engineering/Technology/Medical Sciences in a relevant area with a minimum CGPA of 8.0 and/or 75% of marks or equivalent with qualified GATE score.

OR

Bachelor's degree from IITs/NITs/IIITs or any Institute of repute in a relevant area with a minimum CGPA of 7.0 and/or 70% of marks or equivalent.

5.1.2. Mathematics

Master's degree in Mathematics or equivalent with a minimum CGPA of 6.5 and/or 60% of marks or first class or equivalent.

5.2. M.Tech (For all categories mentioned in 4)

Minimum CGPA of 6.5 or 60% of marks or First Class or equivalent in the qualifying degree (Preference will be given to the GATE qualified candidates)

OR

Bachelor's degree from IITs/IIITs/NITs/IISc or any Institute of repute with a minimum CGPA of 7.5 and/or 70% of marks or equivalent.

5.2.1. CSE: B.Tech or Equivalent in CSE/IT/Data Science/AI, M.Sc in CSE/IT, MCA

5.2.2. ECE: B.Tech or Equivalent in ECE/EEE/E&I or equivalent, M.Sc in Electronics.

5.2.3. MAE: B.Tech or Equivalent in ME/Mechatronics/EE/ECE/E&I/PI or equivalent.

6. Selection Procedure (Combined for M.Tech and PhD)

The selection procedure for admission to PhD and M.Tech (other than CCMT) Program is based on consistently good academic record, written test/interview conducted by the Institute. The admission procedures are as follows:

- 6.1. Application for admission is to be done through online portal which will remain available on the IIIT Bhagalpur website www.iiitbh.ac.in from **June 18, 2024**.
- 6.2. Candidates can also apply for more than one Program by paying application fee for each program separately.
- 6.3. Non-refundable application fee of PhD Program in different department/program for candidates is Rs. 1000.00/- each for all the categories. Payment need to be done through SBI Collect (<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=3661358>) only and select Application fee for PhD. You must attach payment copy as the attachment in online application form.
- 6.4. Non-refundable application fee of M.Tech Program in different department/program for candidates is Rs. 500/- each for all the categories. Payment need to be done through SBI Collect (<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=3661358>) only and select Application fee for M.Tech. You must attach payment copy as the attachment in online application form.
- 6.5. List of applicants shortlisted for further participation in the selection process such as written test/Interview will be displayed on the Institute website. No separate communication/intimation in this regard shall be made by the Institute. The date and time of written-test and/or Interview will be informed only through the Institute website.
- 6.6. It is the responsibility of the candidate, to ensure that he/she satisfies all eligibility criteria for a particular Program, as mentioned in this information brochure.
- 6.7. The following documents are required to be uploaded on the online application portal
 - 6.7.1. Recent passport size photograph with signature.
 - 6.7.2. PG (if applicable) M.Tech/MS/M.Sc equivalent Degree Marks-Sheet of final semester and certificate.
 - 6.7.3. Graduation B.Tech/BS/B.Sc/MCA Degree Marks-Sheet of final semester and certificate.
 - 6.7.4. 10th & 12th Passing Certificate and Mark sheet.
 - 6.7.5. Migration certificate (original to be submitted to the Institute at the time of admission).
 - 6.7.6. GATE/NET/etc. score card as indicated in the application form.
 - 6.7.7. Curriculum Vitae (max 2 page)
 - 6.7.8. Payment Slip (SBI Collect payment copy)
 - 6.7.9. Caste certificate to avail seat reservation under respective reserved category. (The OBC (NCL) /EWS format certificate issued on or after April 01, 2024). Parental Income Certificate for EWS category (as per GoI) must be produced by candidate in the format for 'Admission to Central Educational Institutions (CEIS) under the Government of India' and should be issued on or after April 01, 2024.
 - 6.7.10. PWD persons are required to attach a certificate of disability from the authorized medical board attached to one of the following - Vocational Rehabilitation Centre (VRC) for Physically Handicapped persons/ Special Employment Exchange for Physically Handicapped/ Government Hospital (District and State level).
 - 6.7.11. Sponsorship certificate (Format attached in Annexure-01) from the present employer (for Sponsored candidates).
- 6.8. The candidate has to report physically on the scheduled date and time for appearing the written test and/or interview along with the relevant certificates.

7. Important Dates

Advertisement on the Institute website and newspaper.	18-June-2024
Last date for submission of online application forms.	12-Jul-2024
Intimation regarding written test/interview call will be uploaded on institute website.	15-Jul-2024
Tentative Date of written test/interview in offline mode	22-Jul-2024
Tentative Date of announcement of results	29-Jul-2024
Last date of fee submission and Registration	05-Aug-2024

8. General Instructions

- Candidates should specify department and broad areas of research in the online application form.
- Incomplete application forms and uploaded after the last date will be summarily rejected.
- List of short-listed candidates for the written test/interview will be uploaded on the Institute website only.
- The candidates are required to visit our website for fee structure/faculty expertise etc. and also advised to visit our website regularly for updated information about the admission to PhD an M.Tech Program for 2024-25.
- No separate interview letter / communication will be sent to any individual
- All candidates selected for admission shall be required to deposit the Institute fee before the admission.
- In the event of any information being found false or incorrect or incomplete or non-eligibility being detected at any time before or after admission, his/her candidature is liable to rejection without further communication.
- Applicants are required to observe prescribed Rules & Regulations and orders issued by the IIIT Bhagalpur authorities from time to time.
- The decision of the competent authority of IIIT Bhagalpur regarding the admission will be final.

Annexure-I

[This should be typed on the letter head of the organization]
Strike out the options not applicable

Reference No.:

Date:

Sponsorship/NoC Letter for PhD/M.Tech Full-Time/ Part-Time Category Candidates

To
The Director
Indian Institute of Information Technology Bhagalpur

Sub.: Sponsorship/NoC to an Employee for PhD/MTech (Full-Time/Part Time) at IIIT Bhagalpur

Dear Sir,

It is certified that Mr./Ms./Mrs has completed years of service in our organization/institute as an employee. If he/she is admitted to the PhD/MTech Program, we agree to relieve him/her to enable him/her to be available at IIIT Bhagalpur to attend classes for completion of his/her course work relating to the Program.

Mr/Ms./Mrs. will be permitted to carry out thesis research/project work at IIIT Bhagalpur.

Signature & Seal of Head/Team Leader of the
Organization/Institute/Department