भारतीय सूचना प्रौद्योगिकी संस्थान भागलपुर
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY BHAGALPUR
(An Institute of National Importance under Act of Parliament)

Azadi Ka Amrit Mahotsav

Advt. No.: IIITBH/Advt/2022/MTech&PhD/03   **DATE: 10-06-2022**
Ref: IIITBH/Admission/383/Reg/2022/1060

PhD Admission Brochure

1. About The Institute

Indian Institute of Information Technology, Bhagalpur (IIIT Bhagalpur) is one of the IIITs set up by MHRD, Govt. of India in Public-Private-Partnership (PPP) mode and it is an institute of national importance. It started functioning in the academic year 2017 in the city of Bhagalpur. Bhagalpur is a city 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 started with B.Tech courses in two branches, namely Computer Science & Engineering, and Electronics & Communication Engineering. Later considering the need for skilled manpower in the industry in the field of automation, a new branch called Mechatronics Engineering was introduced in the year 2018. To excel in the field of research in the respective areas the institute is running M.Tech and PhD programs in the respective areas. 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. Admission to Ph.D. Program for Autumn Session 2022-2023

Online applications are invited for admission to the Doctor of Philosophy (PhD) Program beginning in August 2022 (Tentatively). 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 Areas:

Sl. No.	Name of the Department	Research Areas
1	Computer Science and Engineering (CSE)	a) Computer Architecture b) Data Science and AI c) Bioinformatics d) Cloud Computing e) Computer Networks and Wireless communications f) Fault tolerance systems g) IoT and Sensors
2	Electronics and Communication Engineering (ECE)	a) Communication Systems b) Signal and Image Processing, Biomedical Engineering c) VLSI & Microelectronics d) RF & Microwave Engineering e) IoT & Sensors
3	Mechatronics Engineering (MEA)	a) Machine Design b) Electric Vehicle Technology c) Manufacturing
4	Basic Science and Humanities (BSH) "Mathematics"	a) Word Combinatorics, String Algorithms, Graph algorithms b) Mathematical Modelling of ecological/ epidemiological/ biological systems.

2.2. Categories of PhD Program:

A. Full Time Research Scholars:

i) 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.

ii) Sponsored:

- A student in this category is sponsored by a recognized industrial, R&D organization, academic institution (universities/colleges), government organization (defense 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.
- The Institute does not provide any assistantship/fellowship in this category.
- Candidate in Sponsored 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 PhD while continuing her/his services.
- Foreign students shall be sponsored by their Government or awarded scholarship by Govt. of India, Indian Council for Culture Relations (ICCR) or other such agencies/organizations.

iii) Self-financed:

- An Indian student in this category may work full-time towards the PhD Program. The Institute does not provide any assistantship/fellowship to such a student.
- An NRI student in this category may work full-time towards the PhD Program. The Institute does not provide any assistantship/fellowship to such a student. However, student needs to do the following:
  - ➢ On approval/selection of student by concerned department/center, the student will be required to send a signed statement certifying that he/she will bear all the charges including the tuition fees, accommodation, food charges and all other incidental charges during the course of their stay at IIIT Bhagalpur. He/she will also bear travel cost from his/her home country to India (Bhagalpur).
  - ➢ Student should attach either a bank statement showing that they have enough finances in their own bank account or a letter from their parents or sponsors certifying that they will support all the expenses incurred by the student as mentioned above.

iv) 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 PhD 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 PhD Program, his/her category will be converted to that of Self-Financed.

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

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

2.3. Qualification for Eligibility Criteria:
  A.   PhD in 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.

<p align="center">**OR**</p>

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.

<p align="center">**OR**</p>

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.

<p align="center">**OR**</p>

A student of IIIT Bhagalpur who is continuing his/her B.Tech studies and having a minimum CGPA of 8.0 at the end of sixth semester may be enrolled in the PhD Program of the Department in the beginning of his/her seventh semester of study. However, he/she has to complete seventh and eighth semester of B.Tech Program. Such students can receive dual B.Tech and PhD Degree.

<p align="center">**OR**</p>

A regular student of IIIT Bhagalpur who is continuing his/her M.Tech studies and having a minimum CGPA of 8.0 at the end of second semester may be enrolled into the PhD Program of the Department in the beginning of his/her third semester of study. Such students can receive dual M.Tech and PhD Degree.

<p align="center">**OR**</p>

An M.Tech degree holder of IIIT Bhagalpur, with a minimum CGPA of 8.0, up to a period of 02 (two) years from his/her completing the Program, may be considered for direct admission into the PhD Program of the Institute, in the same department.

<p align="center">**OR**</p>

In exceptional cases an NRI applicant with B.Tech degree or equivalent in respective discipline with excellent academic record (with a minimum CGPA of 7.5 and/or 70% marks or equivalent) may be considered eligible for admission.

  B.   PhD in 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. There will be no Institute stipend, however candidates with valid CSIR-JRF, UGC-JRF, NBHM, INSPIRE or any other equivalent Funding recognized by MHRD are eligible for award of fellowship from the concerned organization in relevant field.

3. **Financial Assistance:**

   3.1. 50% tuition fee waiver will be offered to full time Self-financed Indian Research Scholars only having qualified GATE score.

4. **Selection Procedure**

   The selection procedure for admission to PhD Program is based on consistently good academic record, written test and interview conducted by the Institute. The admission procedures are as follows:

   A.

   i) 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 13, 2022 to July 06, 2022.

   ii) After filling the form, the candidates are advised to take a print of your application, fee receipt and other supporting documents and send hard copies with self-attestation to:

   Academic Affairs,
   IIIT Bhagalpur, BCE Campus,
   Sabour 813210, Bhagalpur,
   Bihar

   (Dispatch date must be on or before July 06, 2022).

   iii) The submitted online application form in a single PDF should be sent on or before July 06, 2022 to the Email id: admission@iiitbh.ac.in. The Email subject should be super scribed as "PhD Admission (Full-time/ Part-time) in ECE/CSE/MEA/BSH Department" (whichever is applicable).

   iv) Candidates can also apply for more than one Program by paying application fee for each program separately.

   B. Non-refundable application fee of PhD Program in different department/program for candidates is Rs. 1,000/- each for all the categories. Payment need to be done through SBI Collect portal only.

   C. List of applicants shortlisted for further participation in the selection process such as written-test and/or 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.

   D. 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.

   E. The following documents are required to be uploaded on the online application portal

   i) Recent passport size photograph with signature.

   ii) Qualifying M.Tech/MS/B.Tech/M.Sc equivalent Degree Marks-Sheet of final semester and certificate.

   iii) Graduation B.Tech/BS/B.Sc/MCA Degree Marks-Sheet of final semester and certificate.

   iv) 10th &12th Passing Certificate and Mark sheet.

   v) Migration certificate (original to be submitted to the Institute at the time of admission).

   vi) GATE/NET/etc. score card as indicated in the application form.

   vii) Curriculum Vitae.

   viii) Caste certificate to avail seat reservation under respective reserved category. (The OBC (NCL) format certificate issued on or after April 01, 2022). 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, 2022.

ix) 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).

x) Sponsorship certificate (Format attached in Annexure-01) from the present employer (for Sponsored candidates).

F. The candidate has to report physically on the scheduled date and time for appearing the written test and/or interview.

5. Important Dates

Advertisement on the Institute website and news paper	13/06/2022
Last date for receipt of application forms	06/07/2022
Intimation regarding written test/interview call will be uploaded on institute website	08/07/2022
Date of written test/interview in offline mode	16/07/2022 17/07/2022
Date of announcement of results	25/07/2022
Last date of fee submission	10/08/2022
Registration	16/08/2022
Beginning of classes	17/08/2022

6. 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 rejected.
- List of short-listed candidates for the 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 Program for 2022-23.
- 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.

[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
Full-Time/ Part-Time Category Candidates

To
The Director
Indian Institute of Information Technology Bhagalpur

Sub.: Sponsorship/NoC to an Employee for PhD (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 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