

Indian Institute of Information Technology Kalyani

An Institute of National Importance

(Autonomous Institution under MOE, Govt. of India & Department of Information Technology & Electronics, Govt. of West Bengal)

WEBEL IT Park, Near Buddha Park, Dist. Nadia, P.O. Kalyani - 741235, West Bengal

Email: office@iiitkalyani.ac.in, website: www.iiitkalyani.ac.in

Advt. No. IIITK/Acad/PhD/2025/13

Date: 21.05.2025

Ph.D. Admissions 2025 - 2026 (Autumn Semester)

Applications are invited from eligible Indian nationals for admission to the Doctor of Philosophy (Ph.D.) programme in the Autumn Semester, 2025 - 2026. This programme will be offered in Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), Mathematics and Physics. Admissions are offered in the following categories:

i) Research Fellow under (NET/INSPIRE/TA, etc.) Fellowship:

No. of vacancy: Unreserved: 115, SC: 41, ST: 20, OBC: 75, EWS: 27 (Total: 278)

- a. **Fellow with confirmed fellowship (NET/INSPIRE, etc.):** A student with confirmed fellowship from any recognized funding agency may apply in this category. The student has to devote **full-time** in research and help in the teaching process of the Institute.
- b. **Institute Teaching Assistantship:** A student without any fellowship, may apply for Teaching Assistantship (TA) @25,000/- per month which may be available for a period of a maximum of 05 years. All the students in this category is required to provide service of atleast 06 hours per week as teaching assistant in theory and/or laboratory courses.

ii) Research fellow under Visvesvaraya Fellowship:

No. of vacancy: Unreserved: 03

Students with B.E./B.Tech and M.E./M.Tech in CSE/ECE/allied disciplines may apply in this category. Fellowship will be awarded to **03 students (02 for ESDM/IT-ITES domain and 01 for C2S research domain*)** for 05 years as per Visvesvaraya fellowship Phase II norms (1st and 2nd year: fellowship of Rs. 38,750/- per month, 3rd, 4th, 5th year: Rs. 43,750/- per month with HRA and research contingency as per norms). For details, please visit <https://phd.dic.gov.in>.

*Electronics System Design and Manufacturing (ESDM), IT/IT Enabled Services (IT/ITES), Chip to Startup (C2S).

iii) Sponsored: A student may be sponsored by a recognized R&D organization, academic institution, government organization or industry for doing research in the Institute on a **full-time** basis. He/she must be a regular employee of the sponsoring organization with at least two years of professional experience in the respective field.

iv) External: A student should be employed in an R&D organization/academic institution of national repute/industry having adequate research facilities. The research work leading to the Ph.D. degree may be carried out largely in the parent organization of the candidate under a Local Supervisor from the organization but with the overall guidance provided by a faculty member (Institute Supervisor) of the Department/Centre in which he/she is registered. Such a candidate will have to complete the course work and other requirements of the Institute and will have to take official withdrawal after completion of the requirements to continue work in his/her parent organization.

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v) Part-time: A student be a professionally employed person who pursues the Ph.D. programme while continuing the duties of his/her service. He/she must be a regular employee of a reputed organization with at least **two years** of professional experience in the respective field.

vi) Project Staff: A student should be working on a sponsored project at IIIT Kalyani. The remaining duration of the project at the time of admission should be at least one year.

Major Research Domains: Applications are invited in the domains mentioned below but are not limited to.

Discipline	Major Research Domains
ECE	AI in Wireless Communication, 5G and Beyond, Microwave Filters, Microwave Diplexers, Fabrication of Biosensors, 2D Nano-materials, Nano-biotechnology, Energy Storage Devices, Reflective Intelligent Surfaces, Backscatter Communications for 6G and IoT-type Communications
CSE	Cryptography (Post-Quantum & Quantum), Information Security, Computer Vision, Machine Learning, AI, Blockchain Technology, PQC, Coding Theory, Signal Processing for 6G, Steganography, Quantum AI
Physics	Atmospheric Sciences
Mathematics	Mathematical Modelling

ELIGIBILITY CRITERIA: For admission to the Ph.D. Programme in other categories (other than Visvesvaraya Fellowship) a candidate must satisfy the following criteria:

For Engineering Disciplines: One of the following criteria be satisfied:

1. Master's degree in Engineering/Technology in a relevant area (in accordance with the research domains mentioned above) with a minimum CGPA of 6.5 (in a 10 grade point scale) or 60% of marks.
2. Bachelor's degree in Engineering/Technology in a relevant area (in accordance with the research domains mentioned above) with a minimum CGPA of 7.5 (in a 10 grade point scale) or 70 % of marks. The candidate should be GATE/NET qualified.

For Science Disciplines:

Master's degree in Science in a relevant area with a minimum CGPA of 6.5 (in a 10 grade point scale) or 60% of marks. The candidate should be GATE/NET qualified.

Mere fulfilment of eligibility criteria does not ensure an applicant's right to admission in the Ph.D. programme. The decision of the selection committee will be final in this regard. Reservations will be applicable as per MoE, Govt. of India norms.

APPLICATION PROCEDURE:

Interested candidates are requested to apply by **filling up and submitting the form** (Form Link: <https://docs.google.com/forms/d/e/1FAIpQLSeEdsv1CC3H5bcFAvh7kBCIydhfgV5TlaQaxEpfkFvXgdin0Q/viewform>) **along with the PhD application form available on IIIT Kalyani website**. The candidate should also **send the hard copy of the application form duly signed and completed in all respects** (with a self-

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attested copy of all certificates/relevant documents and proof of online transfer of application fees) to the institute address, preferably through speed post/courier. Templates for no-objection certificates are available in **Annexure I** of the application form. Candidates should submit the no-objection certificate as applicable. Candidates must also mark the envelope with "**Application for Ph.D. Admission (Autumn 2025-26)**". The Institute reserves the right not to fill any or all the positions for the Ph.D. programme.

Application Fees:

Application fees of Rs. 500/- (Rupees five hundred only) [Rs. 300/- (Rupees three hundred only) for SC/ST/EWS] (Non-Refundable) should be paid (before submitting the Google form) through online transfer in the bank account of IIIT Kalyani (details given below). Reference no. of bank transaction should be mentioned in the specified section of the application form.

Bank Details:

A/c Name: Indian Institute of Information Technology, Kalyani

Bank Name: State Bank of India

A/c No: 33984361509

IFSC Code: SBIN0006701, MICR Code: 700002332

Hard copy should be sent to the following address:

The Registrar,

Indian Institute of Information Technology Kalyani,

Webel IT Park (Near Buddha Park),

Kalyani – 741235. Nadia, West Bengal

SELECTION PROCEDURE:

1. Admission will be made based on the fulfillment of eligibility criteria and performance in the written test and/or interview.
2. The candidates are requested to visit the Institute's website for the date of the interview.

Important Dates:

Last date of application: **20.06.2025**

Publication of shortlisted candidates selected for test/interview: **27.06.2025** (tentative, check institute website)

Written test and/or interview: **07.07.2025** and **08.07.2025** (tentative, check institute website)

Dr.Kaoushik K Mukherjee
Registrar, IIIT Kalyani

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Annexure I

FORM I : SPONSORSHIP LETTER

(This should be typed on the letter head of the sponsoring organization)

Reference No:

Date:

To
The Director
Indian Institute of Information Technology Kalyani
Kalyani - 741235

Sub : Sponsoring an Employee for Ph.D. Programme

Dear Sir/Madam,

We hereby sponsor the candidature of Mr./Ms./Mrs. who is an employee in our organization, for joining Ph.D. Programme in at your Institute as a full-time student.

It is certified that he/she has completed year(s) of service in our organization/Institute as a regular employee.

We shall relieve him/her of his/her duties in the organization during the Ph.D. programme.

Signature and Seal of the Sponsoring Authority.

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FORM II: NO-OBJECTION CERTIFICATE FOR IIIT KALYANI'S PROJECT STAFF

(This should be typed on the letterhead of IIIT Kalyani)

Reference No:

Date:

To
The Director
Indian Institute Information Technology
Kalyani - 741235

Sub: No-Objection Certificate for IIIT Kalyani's Project Staff

Dear Sir/Madam,

The concerned department of IIIT Kalyani, has no objection if Mr./Ms./Mrs. a project employee in the project under department, is admitted to the Ph.D. programme in

Principal Investigator of the concerned project/reporting head has agreed to allow him/her to attend classes/research work during the Ph.D. programme.

Signature and Seal of the
Head of the Department/
Head of the Institute

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FORM III : NO-OBJECTION CERTIFICATE FOR PART-TIME STUDENTS

(This should be typed on the letter head of the sponsoring organization)

Reference No:

Date:

To
The Director
Indian Institute of Information Technology
Kalyani - 741235

Sub : No-Objection Certificate

Dear Sir/Madam,

We have no objection if Mr./Ms./Mrs. an employee in our organization, is admitted to the Ph.D. programme in at your institute as a PART-TIME student.

It is certified that he/she has completed year(s) of service in our organization/institute as a regular employee.

We shall allow him/her to attend classes/research works at IIIT Kalyani during the Ph.D. programme.

Signature and Seal of the Sponsoring Authority

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FORM IV: SPONSORSHIP CERTIFICATE OF EXTERNAL CATEGORY REGISTRATION

(This should be typed on the letterhead of the sponsoring organization)

Reference No:

Date:

To

The Director

Indian Institute of Information Technology
Kalyani - 741235

Sub: Sponsoring an Employee for Ph.D. Programme for External registration

1. Name of the sponsoring organization:

Address:

2. Designation of the applicant:

3. Present status of the applicant:

4. List of Division/Section where research work is proposed to be done:

5. List of available local supervisor(s):

(Bio-data of local supervisor(s) to be enclosed giving details of designation, qualification, research experience with area of research etc. along with their consent for research guidance.)

6. Details of relevant facilities which will be made available to the candidate:

It is certified that he/she has completed year(s) of service in our organization/institute as a regular employee.

If Mr./Ms./Mrs. is admitted to the Ph.D. programme, we agree to relieve him/her to enable him/her to be available at IIIT Kalyani to attend classes for completion of his/her course works relating to the Ph.D. programme.

Mr./Ms./Mrs. will be permitted to carry out research leading to the Ph.D. degree at our organization under the guidance of selected local supervisor(s). The necessary facilities will be provided for the purpose.

Signature and Seal of the Sponsoring Authority