



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, 14, Adivasi Para, Opposite of Kalyani Water Treatment Plant

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

Advt. No. IIITK/Acad/Phd/24-25/62

Date: 25.11.2024

Ph.D. Admissions 2024 - 2025 (Spring Semester)

Applications are invited from eligible Indian Nationals for admission to the Doctor of Philosophy (Ph.D.) programme in the Spring Semester, 2024 - 2025. This programme will be offered in Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), Mathematics and Physics (Space and Atmospheric Sciences). Admissions are offered in the following categories:

i) Research Fellow:

No. of vacancy: Unreserved: 26, SC: 08, ST: 04, OBC: 15, EWS: 05 (Total: 58)

- 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.
- 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) 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.

iii) 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.

iv) 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.

v) 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.



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, 14, Adivasi Para, Opposite of Kalyani Water Treatment Plant

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

List of Research Domain:

Discipline	Research Domain
ECE	5G and 6G Antennas, 5G and Beyond, Metamaterials and Its Applications to Antennas, Fabrication of 2D, Nanomaterials based Biosensors, and Supercapacitors, Next Generation Multiple Access Techniques in 6G Type Wireless Networks
CSE	Coding Theory, Cryptography, Blockchain, Blockchain Security, Communication Signal Processing, Explainable Artificial Intelligence, Post-quantum Cryptography, Computer Vision, Image Processing, Computational Topology
Physics	Space and Atmospheric Sciences, Application of AI / Machine Learning in Atmospheric Sciences
Mathematics	Mathematical Modelling

ELIGIBILITY CRITERIA: For admission to the Ph.D. Programme in various disciplines 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 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 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** Google form available here (https://docs.google.com/forms/d/e/1FAIpQLScGVuaSwaND9eTg8TFidsW1Nte1W9VVVFWCefUttw40AWqYzQ/viewform?usp=sf_link) **along with the PhD application form available on IIIT Kalyani website** (http://iiitkalyani.ac.in/images/PhD/PhD_Application_form_-_Spring_2024-25.pdf). The candidate should also **send the hard copy of the application form duly signed and completed in all respect** (with self 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 are requested to check the form submission guideline available on institute's website before filling up the form. Candidates are also requested to mark the



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, 14, Adivasi Para, Opposite of Kalyani Water Treatment Plant

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

envelope with “**Application for Ph.D. Admission (Spring 2024-25)**”. The Institute reserves the right not to fill any or all the positions for Ph.D. program.

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 Detail:

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: **12.12.2024**

Publication of shortlisted candidates selected for test/interview: **16.12.2024** (tentative, check institute website)

Written test and/or interview: Between **02.01.2025 and 03.01.2025** (tentative, will be declared on Institute website)

Dr. Kaoushik K Mukherjee
Registrar, IIIT Kalyani



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,14, Adivasi Para, Opposite of Kalyani Water Treatment Plant
Near Buddha Park, Dist. Nadia, P.O. Kalyani - 741235, West Bengal.

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 inat 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.



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,14, Adivasi Para, Opposite of Kalyani Water Treatment Plant

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

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 projectunder.....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



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,14, Adivasi Para, Opposite of Kalyani Water Treatment Plant
Near Buddha Park, Dist. Nadia, P.O. Kalyani - 741235, West Bengal.

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/ to attend classes/research works at IIIT Kalyani during the Ph.D programme.

Signature and seal of the Sponsoring Authority



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,14, Adivasi Para, Opposite of Kalyani Water Treatment Plant

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

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. The necessary facilities will be provided for the purpose.

Signature and seal of the Sponsoring Authority