

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.

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

Advt. No IIITK/Acad/Phd-Vis/24-25/53

Date: 01.05.2024

Ph.D. Admissions: Visvesvaraya JRF 24-25 (Autumn)

Applications are invited from eligible Indian Nationals for admission to the Doctor of Philosophy (Ph.D.) programme under **Visvesvaraya Fellowship** in the Autumn Semester, 2023 - 2024.

Visvesvaraya Fellowship:

- 1. Full Time:** Candidates with BE/B.Tech/equivalent **and** ME/M.Tech in CSE/ECE/allied discipline may apply in this category. Fellowship will be awarded to **for 5 years** as per Visvesvaraya fellowship Phase II norms (**1st and 2nd year: Rs. 38,750/- per month, 3rd, 4th, 5th year: Rs. 43,750/- per month with RoR (reimbursement of rent) and Research contingency as per norms**).

Number of vacancies: 4

For details, please visit <https://phd.dic.gov.in>.

- 2. Part-time:** A candidate with BE/B.Tech/equivalent **and** ME/M.Tech in CSE/ECE/allied discipline, be professionally employed in a reputed place/organization and not availing any fellowship/stipend/scholarship from any other scheme of Central or State government is eligible to apply under this category. The candidate will pursue the Ph.D programme while continuing the duties of his/her service. He/she must be a regular employee of that organization with at least **two years** of professional experience in the respective field. **Fellowship@3 Lakhs on PhD completion** will be awarded to the candidate as per Visvesvaraya fellowship Phase II norms for Part-time scholars.

Number of vacancies: 2

For details, please visit <https://phd.dic.gov.in>.

LIST OF RESEARCH DOMAINS:

Discipline	Full-time	Part-time
ECE	Fabrication of Bio and Gas sensors, Supercapacitors and Battery, Flexible Bio-electronics, AI-ML in sensing, Wireless Communication in the Physical Layer, 5G Antenna Design, Microwave Passive Components, Federated Learning Based Blockchain security, Integrated Sensing and Communication for 5G/6G, Post-quantum Cryptography-Codebased and Lattice Based, RISC-V Processor and Co-Processor Development for Low Power IoT development (FPGA and ASIC), 5G and Beyond, IoT based Embedded System, AI in	Wireless Communication in the Physical Layer, Federated Learning Based Blockchain security, Integrated Sensing and Communication for 5G/6G, Post-quantum Cryptography-Codebased and Lattice Based, 5G and Beyond, IoT based Embedded System, AI in Wireless Communication, Fabrication of Bio and Gas sensors, Supercapacitors and Battery, Flexible Bio-electronics, AI-ML in sensing,

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	Wireless Communication, Embedded VLSI Design	
CSE	Coding Theory, Cryptography, Blockchain, Communication Signal Processing, Information/Network Security, IoT & Blockchain Security, Federated Learning Based Blockchain security, Integrated Sensing and Communication for 5G/6G, Post-quantum Cryptography-Codebased and Lattice Based, Computer Vision and Image Understanding, Computational Topology, Steganography/Steganalysis, Quantum Computing and Quantum Machine Learning, Quantum Cryptography, AI and Data Science, Embedded VLSI Design	Federated Learning Based Blockchain security, Integrated Sensing and Communication for 5G/6G, Post-quantum Cryptography-Codebased and Lattice Based, Steganography/Steganalysis, Quantum Computing and Quantum Machine Learning, Quantum Cryptography, AI and Data Science

ELIGIBILITY CRITERIA:

Master's degree in Engineering/Technology in CSE/ECE/relevant discipline with a minimum CGPA of 6.5 (in a 10 grade point scale) or 60% of marks.

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**

(https://docs.google.com/forms/d/e/1FAIpQLSel14zZJWnw93qaqNxVfFLXYEldYD0CT-0ToimhJPATo-jisA/viewform?usp=sf_link) **along with the application form available in the link**

([http://iiitkalyani.ac.in/images/PhD Application form VP.docx](http://iiitkalyani.ac.in/images/PhD%20Application%20form%20VP.docx)). 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) in the following address preferably through speed post/courier. Mention "**Application for Visvesvaraya JRF (Autumn 2024)**" on the top of the envelope. The Institute reserves the right not to fill any or all the positions for Ph.D. program.

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Hard copy should be sent to the following Address:

To

The Registrar,

Indian Institute of Information Technology Kalyani,

14, Adivasi Para, Webel IT Park (Near Buddha Park),

Kalyani – 741235. Nadia, West Bengal

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

SELECTION PROCEDURE:

Selection will be based on the fulfilment of eligibility criteria and performance in the written test and interview.

Important Dates:

Last date of application: **04.06.2024**

Publication of candidate list selected for test/interview: **10.06.2024** (tentative, check institute website)

Test and interview: Between **18.06.24 – 21.06.24** (tentative, will be declared on Institute website)

Venue

Indian Institute of Information Technology Kalyani,

14, Adivasi Para, Webel IT Park (Near Buddha Park),

Kalyani – 741235. Nadia, West Bengal

Registrar