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

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Advt. No IIITK/Acad/Phd-Vis/24-25/57   **Date: 12.07.2024**

Walk-in for Visvesvaraya JRF 24-25 (Round II)

Applications are invited from eligible Indian Nationals for admission to the Doctor of Philosophy (Ph.D.) programme under **Visvesvaraya Fellowship** in the Autumn Semester, 2024 - 2025. The candidates who had **applied against advt. no. IIITK/Acad/Phd-Vis/24-25/53 dated: 01.05.2024 and appeared for test and interview, should not apply against this advertisement**.

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: 1
   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: 1
   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	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

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	development (FPGA and ASIC), 5G and Beyond, IoT based Embedded System, AI in Wireless Communication, Embedded VLSI Design	Battery, Flexible Bio-electronics, AI-ML in sensing,
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:

1. At least 55% in both X and XII Board with 1st class in any one of them.

2. BE/B.Tech and ME/M.Tech in CSE/ECE and other allied discipline with minimum 65% marks (or 7.0/10 CGPA) in both BE/B.Tech and ME/M.Tech.
OR
Candidates with only BE/B.Tech (no postgraduate degree) in CSE/ECE and other allied discipline with minimum CGPA of 8.0/10.0 (75%) with a valid GATE score.
OR
First Class (7/10 CGPA) or 65% marks in Masters or equivalent degree in Physics or relevant science subject/B. Tech. in engineering physics with a valid GATE score or UGC/CSIR-NET or an equivalent qualification.

3. 5% relaxation in marks/grade will be provided for candidates applying under SC/ST/OBC/PwD/EWS categories as per MoE, Govt. of India norms.

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.

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APPLICATION PROCEDURE:

Interested candidates are requested to apply by **filling up and submitting Google form** (https://forms.gle/HuxcpiRt5pTSgQLC9) **along with the application form available in the link** (https://iiitkalyani.ac.in/images/PhD%20Application%20form_2024.pdf).

Candidate should **bring 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) along with originals of all certificates/relevant documents **on the date of admission test and interview.**
The Institute reserves the right not to fill any or all the positions for Visvesvaraya JRF positions.

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: **05.08.2024 (4pm)**
Walk-in (written test and interview): 06.08.24   **Time:10am onwards**

Venue
Indian Institute of Information Technology Kalyani,
14, Adivasi Para, Webel IT Park (Near Buddha Park),
Kalyani – 741235. Nadia, West Bengal

                                                                                    Registrar