



Information brochure for full time and Part-Time PhD for Odd Semester 2024 under “Visvesvaraya PhD scheme” Sponsored by MEITY, Govt. of India

Applications are invited for admission to Ph.D. Programme **Full Time and Part Time Ph.D under Visvesvaraya Ph.D. Scheme sponsored by MEITY for Odd Semester-2024** in the Department of Electronics Engineering at NIT Uttarakhand.

Salient features of the Visvesvaraya PhD Scheme for Electronics and IT: Phase-II

A. Full-Time PhD Candidates

- ❖ The full-time candidates would be enrolled at the supported institution (NIT Uttarakhand) under the scheme as per the procedural norms and ‘Terms & Conditions’ of that institution as well as the Terms & Condition of the Visvesvaraya Ph.D. scheme: Phase -II
- ❖ Financial support provided to each Full Time PhD candidate is as mentioned below.
 - Fellowship: Revised to Rs 38,750/- per month (I & II year); Rs 43,750/- (III to V year).
 - Research Contingency Grant Support: An amount of Rs. 1,20,000/Year/Full-time PhD candidate for support duration of Ph.D. candidate.
 - Reimbursement of Rent for those Full Time Ph.D. candidates who are not provided hostel/institute accommodation: The ceiling for Reimbursement of Rent would be 24%, 16%, and 8% of the fellowship amount as per the Government of India norms for class X, Y or Z cities respectively.
- ❖ One-time support for attending International Conference for selected candidates fulfilling eligibility criteria based on the guidelines to be provided in due course.
- ❖ One-time support for visit to Labs abroad for selected candidates fulfilling eligibility criteria based on the guidelines to be provided in due course.

B. Part-Time PhD Candidates

The Part-time PhD candidate is eligible to receive a One-time incentive of Rs. 3.00 Lakhs on successful completion of PhD and required formalities with the institution and the scheme; such as submission of requisite completion documents, claims, etc. through the institution to Digital India Corporation.

For more details regarding the Visvesvaraya Ph.D. scheme, interested candidates may explore the webpage: <https://phd.digitalindiacorporation.in>

Eligibility: A candidate is eligible for registration to Ph.D. Program if he/she satisfies the following conditions:

A Master’s degree in the concerned or an allied subject with a minimum 6.5 CGPA or 60% for General/OBC and 6.0 CGPA or 55% for SC/ST/PWD candidate and GATE / NET (CSIR/UGC/LS) in the concerned subject or discipline.

Or

A minimum of 6.5 CGPA or 60% for General/OBC and 6.0 CGPA or 55% for SC/ST/PWD at Bachelors level with at least 55% marks at Master’s level and GATE / NET (CSIR/UGC/LS) in the concerned subject or discipline.

Note: GATE/NET (CSIR/UGC/LS) in the concerned subject or discipline is mandatory for full-time Ph.D Program. However, relaxation from the requirement of GATE/NET will be given only for admission into part time Ph.D. Program, for part time candidate candidates with minimum two years of relevant experience in reputed Academic/Industrial Organizations or Govt. funded Research Projects. Minimum 2 year serving experience is

mandatory (spell of one contract should be minimum 6 months) and the candidate should be in service at the time of application. NOC in case of regular serving candidate is mandatory with the application form.

However, fees structure, essential qualifications, other terms & conditions will be same as per Ordinances of the Institute.

Application form, Guidelines, Terms & Conditions are available at NITUK website www.nituk.ac.in

Department-wise vacancy for admission in Ph.D. Programme under Visvesvaraya Ph.D Scheme:

S. No	Department	Number of Seats (Total : 03 [#])
1.	ECE	Full-Time – 02* Part-time - 01

#Reservation roster is applicable as per Gov. of India norms.

*To work in the Chip to Startup (C2S) funded project

Minimum Qualification(s) required for shortlisting of Ph.D applications:

Department	Minimum Educational Qualification
ECE	B.E./B. Tech. and M. Tech.in Electrical/ Electronics/ Computer/ Communication/ Telecommunication/ Instrumentation/ Control/ Microelectronics/Signal Processing or equivalent discipline consistent with research areas of the department, MSc in Physics or Electronics with valid GATE Score.

Department-wise Areas of Research for admission in Ph.D. Programme under Visvesvaraya fellowship:

Department	Area of Research
ECE	1. Biomedical Signal and Image Processing, Speech Signal Processing, Signal Processing and AI/DL/ML Algorithms for Communications and VLSI Design**
	2. Signal Processing, Robust Control, Robotics and Computer Vision
	3. Optical Communication and Sensors, Optoelectronics Devices & Interconnects, 4. AI/ML based sensors
	5. Planar Antennas, THz mmwave Applications, Remote Sensing,
	6. VLSI and Microelectronics, 3D ICs, Low Power Circuit Design**
	7. Device Circuit Interaction of Novel Semiconductor Devices, FeFET for Inmemory Computation and Neuromorphic computing, Self-Heating Effects on Novel Semiconductor Devices**
	8. Microelectronics & VLSI Design: Modeling and Simulation of CMOS Nanoscale Device, Thermal Analysis of Semiconductor Devices, AI & ML based Nanoscale Device Modeling**
	9. Circularly Polarized Patch Antennas, Beamforming Antennas, THz Antennas

**To work in the Chip to Startup (C2S) funded project

Selection Procedure:

Whole selection process will be through offline (physical) mode. The shortlisted candidates will be called for written test. There will be objective type questions as per Gate/NET syllabus. **The candidate who secures at least 40% marks in the written test will be shortlisted for online/offline interview. List of shortlisted candidates for**

written test and Interview schedule will be displayed on Institute website www.nituk.ac.in separately. No separate letter/communication will be made to any individual for written test/Interview. Candidates are advised to visit the Institute website regularly in this regard.

Important Points:

- Candidates may specify at least one broad area of research in the application form in which he/she is interested to work. However, Institute does not guarantee the allotment of supervisor in the area of interest filled by the candidate in the application form.
- Candidates are required to submit duly filled Application form along with all the enclosures and fee deposit slip through online mode only.
- Candidates are required to pay Rs.500/- as application fee (Non-Refundable) through online mode (SBI Collect) Fee link will be available on Institute Website. Transaction ID along with date should be mentioned on the application form. In case of missing of transaction ID or wrong transaction ID on the application form, application will be summarily rejected.
- Candidate has to produce all the Original documents against the documents attached with the application at the time of reporting for written test and admission. In case of failure to produce any original document, the candidature will be cancelled.
- Clear passport photograph should be attached on the application form.
- Conversion from Part Time to Full Time and from Full Time to Part Time at a later stage will not be allowed.
- List of shortlisted candidates for written test will be displayed on institute's website.
- Candidates are advised to visit Institute's website to know the Fees structure, Ordinances, Rules & Regulations for Ph.D. Programme. For details regarding the Visvesvaraya Ph.D. scheme, the candidates are advised to visit <https://phd.digitalindiacorporation.in>
- The candidates are advised to visit the Institute website for Faculty Expertise and also for updated information about the Ph.D. Programme of Odd Semester-2024.
- Research scholar selected for the Ph.D. Programme will have to complete the specified course work as per Ordinances.
- Hostel accommodation is not available for PhD scholars.
- The rules & regulations regarding Ph.D program are mentioned in the Ph.D Ordinances and the same is uploaded on Institute website.
- A candidate applied under part-time category will not be allowed for admission in full-time Institute fellowship although the seat is available in the Department during allotment.
- Institute reserves the right to cancel the admission of a student at the time of joining or at any stage of Ph.D. Program, if it is found that the candidate provided wrong information in the application form.
- Institute reserves the right to cancel the admission of student at any stage of Ph.D. Program, if it is found that the candidate did not fulfill the essential qualifications/experiences/other terms & conditions as per the requirements of the Advertisement.
- Institute reserves the right to cancel the process of Ph.D admission at any stage without assigning any reason.

Details of Ph.D. Fee Structure:

a) Application fee for Ph.D. registration: Rs.500/-

b) Other fees :

(I)	Registration	Rs. 5,000/- (one time)
	Tuition Fee	Rs. 15,000/- (annual)
	Caution money	Rs. 3,000/- (refundable)
	Library fee	Rs. 2,000/- (one time)
	Development fee	Rs. 10,000/- (annual)

TOTAL **Rs. 35,000/-**

Rs. 35,000/- is to be paid before 31st January / 31st July.

(II)	Subsequent years: Annual fees	
	Tuition fee	Rs. 15,000/-
	Development fee	Rs. 10,000/-

TOTAL **Rs. 25,000/-**

Rs. 25,000/- is to be paid before six monthly seminars of June / December.

Examination fee:

The examination fee of Rs. 5000/- shall be paid by the candidate prior to the Submission of the thesis.

Note:

- 1. The delay in payment of semester fees may invite cancellation of registration. Payment of fees is annual. Six-monthly seminar shall not be conducted without payment of fees.*
- 2. If the thesis is submitted after 31st December /30th June, candidates are required to pay the fees for next academic session.*

The self-attested copies of the following documents (whichever applicable) should be enclosed along with the duly filled application:

- Photo ID card (Aadhar Card/Driving License).
- High School (10th class) certificate.
- Under-Graduate degree certificate and all mark sheet(s).
- Post-Graduate degree certificate and mark sheet.
- GATE score card or NET (CSIR/UGC/LS) qualifying certificate.
- Caste certificate (if applicable):
 - In case of SC/ST candidates, Caste Certificate (In Central Govt. Format) should be issued by the competent authority (not below the rank of SDO/SDM/Tahsildar).
 - In case of OBC candidate, Caste Certificate (In Central Govt. Format) should be issued by the Competent Authority (not below the rank of SDO/SDM/Tahsildar) indicating the status regarding Non Creamy Layer (NCL). **The certificate should be issued on or after 1st April, 2024.**
- EWS certificate (if applicable), the Certificate (In Central Govt. Format) should be issued by the Competent Authority (not below the rank of SDO/SDM/Tahsildar) indicating the annual income of the family for last financial year. **The certificate should be issued on or after 1st April, 2024.**
- PWD certificate (if applicable), the Certificate (In Central Govt. Format) should be issued by the authorized medical authority.

- (ix) If employed, No Objection Certificate (NOC) from the current employer in support of your application must be attached with application form.
- (x) All the publications (if any).
- (xi) Teaching/research experience certificate (if any).
- (xii) Profile of the Organization/ Employer in case of SRS category candidate.
- (xiii) Credentials including AICTE recognized short-term courses attended, research publications, professional qualifications etc.

Notes:

1. Same photo ID card should be produce at the time of reporting.
2. For seeking admission to Ph.D. Programme as Part Time candidate, candidate has to attach original NoC in format as given in application form at the time of applying that he/she will be granted leave for a minimum period of six months for course work. In case of failure to produce the same, the candidate will not be allowed to appear in written test.
3. The eligibility of the candidate shall be determined based on the documents attached with the application form.
4. Application forms received after the deadline will not be considered for short listing and no amount of fees will be refunded to the candidate.
5. Original TC/Migration certificate has to be submitted at the time of joining.

How to apply for admission to Ph.D. Programme in Odd Semester 2024:

The application form and other relevant information for admission to Ph.D. Programme Odd Semester 2024 are available at Institute website: www.nituk.ac.in.

Please email the softcopy of the duly filled application form and other supporting documents in a single PDF file to office.adacademics@nituk.ac.in on or before 11/09/2024 upto 5.00 PM

Important Dates:

Last date for receipt of application form.	11/09/2024
Date of displaying the list of eligible candidates for written test on Institute website.	13/09/2024
Date & time for written Test.	16/09/2024, 11.00 AM
Date and time of interview.	16/09/2024, 03.00 PM

Visit institute website: www.nituk.ac.in regularly for more details and updates.

Disclaimer:

The statement made in the Information brochure and all other information contained herein is believed to be correct at the time of publication. However, the Institute reserves the right to make any changes in and additions to the regulations, conditions governing the admission, requirements, seats, fees and any other information, or statements contained in this information brochure, at any time without notice. No responsibility will be accepted by the Institute for hardship or expenses encountered by its students / any other person for such changes, additions, omissions or errors, no matter how they are caused.

**Registrar
NIT, Uttarakhand**