

National Institute of Technology, Uttarakhand

Information Brochure Ph.D. Programme Spring Semester 2018



Applications are invited for admission to Ph.D. Programme Spring Semester 2018.

Application form and Information Brochure can be downloaded from NITUK website www.nituk.ac.in

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

A Master's degree in the concerned or an allied subject with a minimum of 1st class (C.P.I or C.G.P.A. greater than 6.75 on a 10 point scale if class is not provided) and GATE /UGC-NET/CSIR-NET in the concerned subject or discipline.

Or

A Bachelor's degree with minimum of 1st class (C.P.I or C.G.P.A. greater than 6.75 on a 10 point scale if class is not provided) with at least 55% marks at Master's level and GATE /UGC-NET/CSIR-NET in the concerned subject or discipline.

Note : GATE /UGC-NET/CSIR-NET in the concerned subject or discipline is mandatory.

Department/Subject wise list of Areas of Research in Ph.D. Programme is as under:

Sl. No.	Department/ Subject	No. of Seats	Areas of Research
1.	Civil Engineering	05* (UR-02, OBC-02, SC-01)	Structural Behavior of Concrete, Transportation Engineering, Soil Stabilization and Ground Improvement Techniques.
2.	Computer Science and Engineering		Pattern Recognition, Machine Learning, Image Processing, Computer Vision, Wireless Body Area Networks, Internet of Things, Cloud Computing, Biometrics, Pattern Recognition, Machine Learning, Image Processing, Cryptography, Cryptographic Key Agreement, Secure multicasting.
3.	Electrical Engineering		Analysis of micro grid, smart grid and its application. Wams based protection, adaptive protection of transmission line. DC grid protection. Control of micro grid.
4.	Electronics Engineering		Microelectronics and VLSI Design (MEV): Novel MOS based device circuit co-design, Variability and reliability issues in 3D architectures, Parasitic Extraction and RC modeling, Analog VLSI, Advance Memory Design, Spin Architectures and circuits.
5.	Mechanical Engineering		Manufacturing: Composite Materials and Advanced Manufacturing Process. Design: Computational Mechanics Piezoelectric Energy Harvesting, Smart Structures, Active Vibration Control. Thermal : Porous Medium, Combustion, Heat Transfer, Energy and Environment, Thermal: Computational Fluid Dynamics, Heat Transfer Enhancement, Fluid Flow.
6.	Mathematics		Computational Mechanics/Numerical Methods.
7.	English		Postcolonialism, Literature of the Indian Diaspora, South Asian Diaspora, Film Studies, ELT and Communication, Dalit Studies, etc.
8.	Chemistry		Total Synthesis of Bioactive Natural Products, Development of new Methodology Reactions, Medicinal Chemistry.

*** Restriction on number of seats is only for Full Time Research Scholars. No restrictions of seats for Part Time Research Scholars.**

Selection Procedure:

The eligible candidates will be called for written test. The candidate who secures at least 40% marks in the written test will be shortlisted for interview. Interview shall be conducted on the same day. The list of shortlisted candidates for written test will be uploaded on Institute's website: www.nituk.ac.in. No separate letter/communication will be made to any individual for written test.

Important Points:

- Candidates MUST specify broad areas of research in the application form.
- Candidate has to attach a demand draft of Rs. 500/- as application fee (Non-Refundable) with the application form. Application form without demand draft of Rs. 500/- will be rejected.
- Incomplete Application Forms received after the last date will be rejected. Institute will not be responsible for any postal delays.
- Full time research scholar having GATE/NET/CSIR-NET qualification will be awarded fellowship as per Govt. of India norms. The amount of the fellowship will be released after the confirmation of the Ph.D. Registration.
- Part time research scholars will not be provided any fellowship from the Institute.
- List of shortlisted candidates for written test will be displayed on institute website.
- No separate letter / communication will be made to any individual for written test.
- Candidates are advised to visit Institute's website to know the Ordinances, Rules & Regulations for Ph.D Programme.
- The candidates are advised to visit the Institute's website for Faculty Expertise and also for updated information about the Ph.D. Programme Spring Semester 2018.
- Research scholar selected for the Ph.D. Programme Spring Semester 2018 will have to complete the specified course work.
- Accommodation is NOT available for the Ph.D. scholars in the hostel of the Institute.
- Candidates will not be given TA/DA/ any allowances for attending written test/interview.
- Name of the qualified candidates for Ph.D. Programme will also be displayed on the Institute website.
- Institute does not guarantee availability of supervisor in the area of research desired by the candidate. Candidates are advised to discuss with faculty of the department to identify whether their research interest match with the facilities / expertise available and whether any supervisor is willing to offer project in the desired area.
- Other relevant information regarding admission to Ph.D. Programme will be informed to the selected candidates after 04.04.2018 through an official letter from the Institute.

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.*

How to apply for admission to Ph.D. Programme Spring Semester 2018 :

The application form and other relevant information for admission to Ph.D. Programme Spring Semester 2018 can be downloaded from the Institute website: www.nituk.ac.in.

Duly filled Application form along with DD of Rs. 500/-, issued by any Nationalized bank, **in favor of The Director, NIT Uttarakhand, payable at Srinagar (Garhwal), Uttarakhand**, and all the documents mentioned below should reach to Assistant Registrar (Academic), NIT Uttarakhand on or before **07.03.2018 by 05:00 PM**.

The following documents (whichever applicable) arranged in the order given below should be enclosed along with the duly filled application:

- i) Photocopy of High School (10th class) certificate.
- ii) Photocopy of Under-Graduate degree certificate and mark sheet.
- iii) Photocopy of Post-Graduate degree certificate and mark sheet.
- iv) Photocopy of GATE score card or CSIR/ UGC-NET qualifying certificate.
- v) Photocopy of caste certificate.
 - (a) 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).
 - (b) 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 have been issued after 31st March, 2017.**
- vi) Photocopy of the Migration Certificate.
- vii) If employed, No Objection Certificate (NOC) and other documents from the employer in support of your application.
- viii) Photocopy of all the publications (if any).
- ix) Photocopy of teaching/research experience certificate (if any).
- x) Profile of the Organization/ Employer in case of SRS category candidate.
- xi) Photocopy of credentials including AICTE recognized short-term courses attended, research publications, professional qualifications etc.

Note : (1) All the photocopies of documents attached with the application form should be self-attested by the candidate. Application without self-attested photocopies shall be summarily rejected.

(2) Incomplete / incorrect applications will not be considered for admission.

(3) If seeking admission to Ph.D. Programme as Part Time candidate, candidate has to show a proof at the time of interview that he/she will be granted leave for a minimum period of six months.

(4) The eligibility shall be determined on the basis of the documents received by the last day of receiving the applications.

Important Dates:

Last date for receipt of application form.	07.03.2018
Date of displaying the list of eligible candidates for written test on Institute website.	14.03.2018
Date, time and place of reporting for written Test.	Date :27.03.2018 Time : 09:00 AM Place : NIT, Uttarakhand Govt. I.T.I Campus Srinagar (Garhwal)
Date and time of interview at NIT, Uttarakhand.	27.03.2018 at 03:00 PM
Date of announcement of result on Institute website.	04.04.2018

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

How to reach NIT, Uttarakhand: Please visit institute website www.nituk.ac.in and click on **How to Reach** Quick link.

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.

ADDRESS FOR CORRESPONDENCE:

Assistant Registrar (Academic),
National Institute of Technology, Uttarakhand,
Govt. I.T.I., Srinagar (Garhwal),
District- Pauri Garhwal,
Uttarakhand - 246174.
Telephone: 01346-257404, E-mail: academic.nituk@gov.in

**Registrar
NIT, Uttarakhand**