

27th May 2023

Ph.D. Admissions July 2023

Applications are invited for Full Time/Part Time admission to Ph.D. programs in various departments of the university. The admission is made on the basis of valid GATE/NET (UGC/CSIR/SLET) scores/qualifying of entrance examination. Application form found incomplete or received after the prescribed date will be summarily rejected. **Last date of application forms is June 15, 2023.**

Application form can be submitted as follows:

- Link for online submission of Application form: phd.geu.ac.in
- For filling the form in offline mode, the application form can be downloaded from the university website's link: www.geu.ac.in (Research Tab>Doctoral Programmes). However, the application form along with the attested copies of educational certificates may be submitted to the **Office of Dean Research, Ground Floor, CS/IT Block, Graphic Era deemed to be University, 566/6, Bell Road, Clement Town, Dehradun-248002** along with the fee of **Rs. 1500/- swipe** via debit card at account office of the university, by online payment: <https://link.geu.ac.in/phdfee> or NEFT Payment .

For NEFT:

Account Name: Graphic Era (Deemed to be University)
Branch: Graphic Era University, Clement Town, Dehradun,
Account No.: 6190002100000177,
IFSC Code: PUNB0602000,
Bank Name: Dehradun Infantry Division Army Complex Branch

The Entrance Test will be held in offline mode and candidates are required to come to the university.

Important Dates

Activity	Date
Last Date for submission of application form	June 15, 2023.
Entrance Test (Valid GATE/NET (UGC/ CSIR) qualified candidates are exempted from written test. However they have to appear later for interview)	June 24, 2023.
Declaration of Entrance Test results	June 30, 2023.
Reporting/Registration	July 8, 2023 to July 30, 2023.
Commencement of PhD coursework classes	August 1, 2023

Contact Information:

Toll free 1800 18000 14/15, 1800 2701280 Ph: +91-9997634684, +91-9634596042
Admission Cell: +91-135-2643421, 2642727


Registrar

ELIGIBILITY CRITERIA

(1) Candidates who have completed:

i. A 1-year/2-semester master's degree programme after a 4-year/8-semester bachelor's degree programme or a 2-year/4-semester master's degree programme after a 3-year bachelor's degree programme or qualifications declared equivalent to the master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of the educational institution.

A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates, in accordance with the UGC.

Provided that a candidate seeking admission after a 4-year/8-semester bachelor's degree programme should have a minimum of 75% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed. A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time.

**The candidates who are pursuing final semester of respective degree/waiting for results may also apply*

(2) Candidates who have completed the M.Phil. programme with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of educational institutions, shall be eligible for admission to the Ph.D. programme.

A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time.

**The admission norms are subject to any changes as recommended by UGC.*

Entrance Test Details

Date of Entrance Test: Saturday, June 24, 2023

Venue: GEU Campus.

Time of Reporting: 9:15 A.M with valid Photo ID (scan photo like PAN card, DL, Aadhar Card)

Valid GATE/NET (UGC/ CSIR) qualified candidates are exempted from written test.

**Candidates have to bring their updated Curriculum Vitae and Entire Qualification credentials with them before appearing in the interview*

S.No.	Exam	Marks	Syllabus	Duration	Timings
1	Entrance	100	The Question paper will comprise of MCQ of two sections on Research Methodology (50%) and Subject Specific (50%) (as per GATE/UGC NET syllabus)	2hr	10:00 AM – 12:00 PM
The Entrance test shall be qualifying with qualifying marks as 50%					
2	Interview	50	candidates are required to discuss research interest/project before duly constituted Department Research Committee	----	1:30 PM onwards

Research Areas and Vacancies

S.No.	Department	Areas of Research	Total No.
1	Dept. of CS/IT and Computer Application	Cyber Security, Information Security, Cloud Security, Quantum Computing and its security issues, Software Engineering, Machine Learning , Cyber security, AI, Machine Learning, Big Data, Data Science, Cloud Computing, Deep Learning, AI, Machine Learning, AI, Deep Learning, Computer Vision, MANET, WSN, VANET, Cloud Computing, Data Science, ML, Blockchain ,Machine Learning, Deep Learning, Big Data Analytics, Data Science and Graph Database, Machine Learning, Artificial Intelligence, 5G, Deep Learning, Brain computer Interface(EEG,EMG,ECG), Smart Antenna Design with machine learning, WSN, 6G Propagation Modelling, Robotics, Soft computing, Machine Learning, Artificial Intelligence, Robotics, Soft computing, Machine Learning, Artificial Intelligence, Self Configurable Network, Mobile Adhoc Network, Wireless Sensor Network, Intrusion Detection System, Machine Learning, Machine Learning, Deep Neural Networks and optimizations, NLP and its Applications, Time series data mining, Data Science, Artificial Intelligence, Machine Learning and Deep Learning, Wireless Network, WSN, IoT, Artificial Intelligence, Machine Learning, Cloud computing and security, Bigdata Analytics, Computer Vision, MANET, WSN, VANET, Cloud Computing, Data Science, ML, Blockchain, High Performance Computing, Biomedical image processing, Machine learning, Cloud computing, Software Engineering, Data Science, Artificial Intelligence, Machine Learning, MLOps, SDN, MEC, BCI, AR, VR, Knowledge Graph, QML, AI, ANN, Software Definition Networking, Cloud computing, IoT, WSN, Cyber Security, Machine Learning ,Computer Vision, Machine Learning, AI, Deep Learning, Algorithms ,Machine Learning , Computer Graphics, Resource Optimization, Social Networks Analysis, NLP, Data Science, Online Harm, Wireless Sensor Networks, MANET, IoT, Machine Learning, Security of smart heath care system, IoT, Machine learning, cyber security, Deep Learning, Image Processing, Artificial Intelligence, Machine Learning, Deep Learning, Image Processing, Signal processing, AI, Data Science, Social network analysis	76

2	Deptt. of Mechanical Engineering	Industrial Engineering Quality Management, Design Thinking Sustainability Supply Chain Management, Composite Materials, Dynamics and Control with application in robotics, Mechatronics, Automobile, Drones and Energy Systems, Tribology ,Fluid Mechanics, Polymer Composites, Alloys, water Filtration, Semi-Active Automotive, Suspension, Vehicle Dynamics, Aerospace Engineering UAV	17
3	Department of Civil Engineering	Water Resources , Fluid Dynamics , Geotech Engineering,	08
4	Deptt. of ECE	Wireless Communication, Process Control, Mobile Ad-hoc Network, Polymer sensors and Actuators Devices, Temperature Sensors and devices, Temperature Sensors and Biosensors devices, Remote sensing, Wide Band Gap, semiconductor (SiC/GaN), ckt Design with parameters, characterization of Devices, IoT, embedded Systems, Energy Harvesting Systems, Microwave, Ionosphere and Navigation, VLSI, Semiconductor Devices Modelling , Material Science, EMI Shielding Application, Microwave and Digital signal processing, Digital Systems: FPGA'DSP	27
5.	Deptt. of EE	Power System, Renewable Energy, Power Quality, Powersystem operation and control, renewable energy, Battery, Control System Process & Control, Smart Grid renewable integration issues , Electric Vehicle Challenges in Grid, Solar PV Cells Renewable energy, HV Engineering , Machine learning prediction of remaining capacity of batteries and renewable sources, sizing and optimization of hybrid energy system, battery energy management.	17
6.	Department of Food Science & Technology	Food Science & Technology	06
7.	Department of Microbiology	Microbial Diagnosis Nutraceutical & Value Added Product, Biomolecules, Environment Biology, Bioprocess Industrial Micro/Biotech , Nano biotechnology, Environment & Climate Modelling, Microbial	04
8.	Department of Biotechnology	Molecular Biology, Omics Tech., Plant Biotechnology , Microbiology, Bioinformatics , Biochemistry ,Computational Biology & Fermentatia , Animal Biotech	11
7.	Department of Allied Science		
	a. Chemistry	Nanomaterials , Pulp & Paper Technology, Nanomaterials green synthesis & Applications, Wastewater Treatment , Green Synthesis Waste to energy , Materials Development wastewater treatment	06
	b. Mathematics	Operations Research and Optimization/ Mathematical Modelling,Reliability theory, Inventory Control, Supply Chain ,Differential equations, Analytical solution, Lie group theory , Numerical methods/ Astrophysics , Boundary Layer Theory,Image processing and computer vision, Operations Research/	20

		Reliability Engineering	
	c. Environmental Science	Development of wasteland, nutrient cycling, Restoration ecology, socio-economic studies, Environmental degradation	03
	d. Physics	Synthesis of Nanomaterials & Raman spectroscopy, Exp. Condensed Matter Physics (Nanophysics), Atmospheric Science, Material Science, Material Science: Si and conductive Nano composite for sensing and actuating property, Material Science: Si and conductive Nano composite for sensing and actuating property, Condensed matter physics, magnetism, Experimental (Optical Properties of 2D Materials)	10
8.	Deptt. of Management Studies	Marketing	10
		Finance	09
		Human Resource Management	04
		Supply Chain Management	01
		Economics	02
		Operations	02
		General Management	03
		Organizational Behaviour	02
9.	Deptt. of Commerce	Financial Accounting, Strategic HRM, Digital Marketing, Supply Chain Management, Corporate Laws, Human Resource Management, Organization Behavior	15
10	Department of Humanities & Social Sciences	English	02
		Sociology	02
11.	Department of Petroleum Engineering	Seismotectonics, Seismic Hazard , Stress Inversion , Remote Sensing & GSI especially In SAR studies, Electrical Resistivity, Engineering Properties , of rock/soil Landslide, Quantative Petrography, Paleoclimate, Paleooceanography, Global Change , Natural Resources, Marine and Terrestrial environment	04
Total			261

PhD Fee Structure Details July 2023

Batch	Reg. Fee/ Admission Fee, non- refundable (One Time)	Caution Money (refundable) (One Time)	Course work Examination n Fee, (One Time)	Enrollm ent Fee (One Time)	Tuition Fee (per sem)	Student Welfare Charges (per sem)	*Subsidized Transport Charges (per sem)	*Student Insurance Cover (Per Sem) (In Rs.)	*Library Fee (Per Sem) (In Rs.)	Online information (Per Sem In Rs.)
January 2023	Rs. 5000/-	Rs. 5000/-	Rs. 4000/-	Rs. 1500/-	Full Time scholar: Rs 35,000/-	Rs. 750/-	Rs. 1200/-	Rs. 450/-	Rs. 2000/-	Rs. 500/-
					Part Time (External): Rs. 32,000/-	Rs. 750/-	-	-	Rs. 2000/-	Rs. 500/-
					Part Time (Internal): Rs. 10,000/-	Rs. 750/-	-	-	Rs. 2000/-	Rs. 500/-

Total Fee for first semester:

Full Time : Rs. 55,400/-
Part Time(External): Rs. 50,750/-
Part Time(Internal): Rs. 28,750/-

Total Fee for Second Semester onwards:

Full time : Rs 39,900/-
Part-time(External): Rs35,250/-
Part Time(Internal): Rs13,250/-

RESEARCH ASSOCIATESHIP/ FELLOWSHIP

Graphic Era Deemed to be University Dehradun will award Associateships / Fellowships to the Full Time research scholars under following categories, viz.,

- a) Institutional fellowship of Rs. 36,000/- per month shall be awarded only to valid: UGC - JRF / CSIR – NET, GATE to full time research scholars.
- b) Institutional fellowship of Rs. 32,000/- per month shall be awarded to full time research scholars, those who will qualify the PhD entrance Examination and secure meritorious position with good academic credentials (candidate secured gold medal in qualifying degree will be preferred).
- c) UGC NET (Assistant Professor) qualified may be exempted from written test however Institutional fellowship of Rs. 32,000/- per month shall be awarded on the basis of criteria mentioned in *clause b*.
- d) Scholarship continuation will be subjected to satisfactory performance in each semester.
- e) The meritorious scholars may get Rs. 2,00,000/- per year based on their research credentials.

TUITION FEE WAIVER

Tuition fee waiver is also available on merit cum means basis (based on the merits of the case)

APPLICATION FORM

FOR ADMISSION TO Ph.D. PROGRAMME (July 2023)

Application No. _____

(For office use only)

Fee details: Cash / Cheque/NEFT (Non Refundable)

Cheque No. _____ Date: _____

Amount inRs. _____ BankName: _____

NEFT transaction number _____

Space for
Photo

(Passport size)
(Attested)

Application Category: Full-Time/ Part-Time-Internal/Part-Time-External

DEPARTMENT	
AREA OF RESEARCH	

(USE CAPITAL LETTERS)

1	NAME OF THE CANDIDATE					
	FATHER'S//HUSBAND'S NAME					
	MOTHER'S NAME					
	DATE OF BIRTH(DD-MM-YYYY)				AGE:	Years
	MALE / FEMALE			MARRIED / UNMARRIED		
2	CATEGORY (<i>Tick the appropriate</i>)	GEN <input type="checkbox"/>	PH <input type="checkbox"/>	OBC <input type="checkbox"/>	SC <input type="checkbox"/>	ST <input type="checkbox"/>
3	NATIONALITY					
4	ADDRESS FOR CORRESPONDENCE			PERMANENT ADDRESS		
	E-MAIL ID:				MOBILE:	

5. Education Qualifications

QUALIFYING DEGREE PARTICULARS*	10 th	12 th	UG	PG	OTHER
NAME OF DEGREE					
BRANCH/SPECILIZATION					
PERCENTAGE OF MARKS/CGPA					
YEAR OF PASSING					

NAME OF THE UNIVERSITY FOR UG	
NAME OF THE UNIVERSITY FOR PG	

6	GATE/NET/SLET(if applicable)	VALID SCORE/RANK		YEAR APPEARED	
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7. Details of Professional Experience (for Part Time External Candidature)

EMPLOYER NAME	POSITION HELD	DURATION FROM TO	

Declaration

I _____ hereby declare that:

- 1) I shall abide by the rules and regulations of the University. I shall not indulge in any activity affecting the status and prestige of the University.
- 2) If any entry made by me in this form is found to be false, my admission may be cancelled.
- 3) I certify that the particulars given above are correct to the best of my knowledge and belief.

Date:

Place:

Signature of the Candidate

ADMIT CARD

Ph.D. Entrance Test, July 2023

Roll No. (Office use only):

(To be filled by candidate)

Department:

Name of candidate:

Father's/Husband's Name:

Date of Test: Saturday, June 24, 2023

Time: 10.00 AM to 12:00 Noon

Venue: GEU Campus.

Paste photograph

Attested

In charge
Admission Cell

No Objection Certificate from the Organization

The application of working as in since is herewith recommended and forwarded for admission under Internal/External Registration Scheme of the Graphic Era deemed to be university, Dehradun for part time Ph.D. programme in the Department of....., state that :

- i. The candidate is permitted to pursue studies on a part-time basis.*
- ii. His/her official duties permit him/her to devote sufficient time for research.*
- iii. If required, he/she will be relieved from the duty to complete the course work*

Date:

Signature of the Officer

Name and Designation:

Seal of the organization/ Institution

Postal address:

Details of research facilities available in the sponsoring organization
(To be submitted by applicants belonging to Part-Time-External category)

Particulars of prospective co-supervisor/research coordinator in the sponsoring organization

(To be submitted by applicants belonging to part time external category if interested to have co-supervisor from his /her organization)

In addition to being in a position to ensure technical and logistic support to the scholar in his/her research work in the organization, the Co-Supervisor (or research coordinator) must have a minimum academic qualification of a Ph.D. degree. He/ she will be an invitee to the Doctoral Committee meetings at Graphic Era deemed to be university.

- (1) Name of proposed Co-Supervisor/ Research coordinator:(In block letters)
- (2) Designation of Co-Supervisor/ Research coordinator:
- (3) Academic qualifications of Co-Supervisor/ Research coordinator:
- (4) Membership of Professional Societies of Co-Supervisor/ Research coordinator:

Certificate of Co-Supervisor/ Research coordinator:

This is to state that in the event of Mr./Ms. _____ of this organization being selected for part time Ph.D programme in the Department of _____ under the External Registration Scheme of Graphic Era deemed to be university, I agree to be his/her Co-Supervisor/ Research coordinator and shall extend all possible guidance and facilities to enable him/her to carry out his/her research programme towards the submission of thesis.

Date:

Signature of the **Co-Supervisor/ Research coordinator:**

Name and Designation:

Seal of the organization

Postal address: