

27th June 2024.

Ph.D. Admissions July 2024

The University cordially invites applications for both Full-Time and Part-Time enrollments in Ph.D. programs across diverse departments. Admission decisions will be based on valid GATE/NET (UGC/CSIR/SLET) scores or successful performance in the entrance examination. Incomplete applications or those received after the specified date will be promptly dismissed. Ensure that your application form is properly filled and submitted before the deadline of Monday, July 29th, 2024. For the Submission of application process: candidates have two options for submission:

- a. Online Submission:** Access the online application form at <https://phd.geu.ac.in>. **OR**
- b. Offline Submission:** Download the application forms from the university website: www.geu.ac.in. Complete the form offline, attach attested copies of educational certificates, and submit the application along with a fee of Rs. 1500/- through online payment at <https://link.geu.ac.in/phd24>. Dispatch your application promptly via Speed Post or submit it in person at the Office of the Director Research, Ground Floor of the CS/IT Block at Graphic Era (Deemed to be University), 566/6, Bell Road, Clement Town, Dehradun, 248002.

c. Entrance Test Centers:

The Entrance Test will be conducted at two centers (as per the choice of the applicant):

- (i.) Dehradun- Address: Graphic Era (Deemed to be University), 566/6, Bell Road, Clement Town, Dehradun.
(ii.) Mangalore - Address: Door no 15-9-486/7, Second floor, Carmeline Mansion, Malikatte kadri , Mangalore
575002, DK district, Karnataka

d. Exam Mode and Venue:

The Entrance Test will be conducted in offline mode. Candidates must appear at the chosen center specified in their application form.

Important Dates

Last Date for submission of application form	Monday, July 29 th , 2024
Centers of Examination (by Choice)	a. Dehradun Center b. Mangalore Center
Day of Entrance Test	Saturday, August 10 th , 2024
Declaration of Entrance Test results	Tuesday, August 20 th , 2024
Reporting/Registration	Saturday, August 24 th , 2024 to Thursday, September 5 th , 2024
Commencement of PhD coursework classes	Monday, September 9 th , 2024
Last Date for submission of application form	Monday, July 29 th , 2024

*Valid GATE/NET (UGC/ CSIR) qualified candidates are exempted from written test. However, they have to appear for interview on the day of entrance examination. (Please refer fellowship rules as mentioned in page no. 3)

For any further details or clarifications, please refer to the official website or contact the university office

Contact Information:

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

For Dehradun Center: +91-9997634684, +91-9634596042 and Mangalore Center: +91 9724720427


Registrar

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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, August 10th, 2024

Venue: Dehradun Centre / Mangalore Centre

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	Department of CSE and Department of Computer Application	Wireless Networks and Distributed Systems, Ubiquitous Computing, Cloud Computing, AI & Machine learning, Natural Language Processing, Cyber Security and Block chain, Decentralized Systems, Software Engineering, Quantum Computing, Computational Biology, AI & Robotics, Distributed and High Performance Computing, Computer Vision, E-Learning, Deep Learning, Recommender system, Information retrieval, Explainable AI, Image Processing and Computer Vision, Healthcare Informatics, Formal Methods, IOT, Bioinformatics, Artificial Intelligence, Intrusion Detection System, LLMs SNA, Network Science, Wireless Networks, 5G & 6G, Big Data Security, Soft Computing, Parallel Processing, Parallel Computing Robotics	102
2	Department. 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	28
3	Department of Civil Engineering	Hydraulic & Water Resources, Geotechnical Engineering, Remote Sensing & GIS, Structural Engineering, Materials Engineering, Construction, Project & Management,	47
4	Department of ECE	Wireless Communication, Image Processing using A/ML, Process Control, Mobile Ad Hoc Networks, Flexible wearable sensors, piezoelectric and pyroelectric nano-generator, waste water treatment membranes, Machine Learning Techniques for Fibre and Integrated Optic Devices, Bio-photonics, Optical sensors for Structural Health Monitoring, Remote Sensing, VLSI, Microwave and Satellite Navigation, Energy. Embedded System. IoT, Wide bandgap Semiconductor (SiC/GaN), Analog/Digital Circuit Design, Digital Circuit Design, FPGA, DSP, Neural Network, Conducting Polymer composites and its Applications, Digital signal processing and microwave engineering, Nanotechnology and Energy Storage Devices, Ionic polymer sensors, Nano Scale Electronics Devices, TFET, Junction-less TFET, Semiconductor Devices, UWB Antennas, Wireless Communication, Signal Processing for Next-Generation Fiber Communication System, Optical Fiber Communication and Biosensors, Surface plasmon resonance sensor, photonic crystal fibre sensor	49
5	Department of EE	Power Quality/Renewable Energy, High Voltage Smart Grid, Electrical Power System Management, Machine learning based prediction analysis in micro-grid application. Power Quality Renewable Energy, Solar Energy Renewable and its waste management, Renewable Energy, Control System, Power Systems	16
6	Department of Food Science & Technology	Cereal Chemistry, Algae based value added products and waste treatment, Processing of cereals and pulses, functional food development	4
7	Department of Microbiology	Immunology, Environment Microbiology, Microbial Pathogen Diagnosis, Microbial Fuel Cell, Biosensor, Environment Microbiology, Waste water, Medical Microbiology, Molecular Biology, Microbial Genomics, Microbial Forensics, Bacteriology, Antimicrobial Resistance, Bioprocess, Industrial Microbiology, Nanotechnology, Agro Microbiology	8
8	Department of Biotechnology	Biomedical Sciences, Bioinformatics, Microbiology, Fungal Biology, Animal Science, AI based solution in Life Sciences, Agro-biotechnology, Bioremediation, Molecular Biology, Biochemistry	8
9	Department of Allied Science		
	a. Chemistry	Biomass, Applied Chemistry, Waste bio refinery; waste water treatment, Materials Chemistry	3

	b. Mathematics	Mathematical modelling, Astrophysics, Image processing, 3D reconstruction, NURBS, Inverse reconstruction, Biofluid Dynamics, Biomathematics, Fluid Dynamics, Abstract Algebra, Reliability Theory, Fixed Point Theory, Differential Equations, Inventory Theory, Fluid Dynamics	24
	c. Environmental Science	Waste water treatment, Bioenergy, Waste water analysis and treatment, Biodiversity, Ecology	8
	d. Physics	Atmospheric Physics, Solid state Physics Nanocomposite based materials for Super capacitor, Sensor, and Photocatalytic activity, Corrosion study, Nano Composite coating, Thin films deposition, nanomaterials, Vibrational spectroscopic and DFT studies of hard and soft materials, Space Physics, Theoretical Physics Fundamental of Plasma Physics, Radio Frequency Heating of Plasmas, High Power Laser Plasma Interaction, Parametric Instabilities in Laser Produced Plasmas, Laser Driven Charged Particles Acceleration, Laser Driven Fusion, Novel Concept for Free Electron Lasers (FELs), Compact Radiation Sources Coherent (Terahertz Ray, X-Ray, and Gamma Ray), Light Matter Interaction at Nanoscale, Nanostructured Plasmas, Plasmonic, Graphene Plasmonic, Terahertz Plasmonic, Plasmonic Lasers, Surface Enhanced Raman Scattering (SERS). Material science, synthesis and characterization perovskite and spinel ferrite based ceramics	13
10	Department of Management Studies	Marketing, Finance, Human Resource Management, Supply Chain Management, Economics, Operations General Management, Organizational Behaviour	16
11	Department of Commerce	Human Resource Management, Finance, Marketing	7
12	Department of Humanities & Social Sciences	English	4
		Economics	2
		Sociology	2
		Total	8
13	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, Palaeoceanography, Global Change , Natural Resources, Marine and Terrestrial environment	06
		Total	347a

PhD Fee Structure Details July 2024

Batch	Reg. Fee/ Admission Fee, non- refundable (One Time)	Caution Money (refundable) (One Time)	Course work Examination 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.)
July 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/-

**Thesis Submission fee - Rs. 20,000/- (applicable at the time of thesis submission)*

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 – NET-JRF / CSIR – NET to full time research scholars.
- b) Institutional fellowship upto 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)/GATE qualified candidates may be exempted from written test however Institutional fellowship upto 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 full time scholars may get research grant upto 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 2024)

Application No. _____

(For office use only)

Fee details:

Cheque No. _____ Date: _____

Amount inRs. _____ BankName: _____

Center opted (Tick any) : a. Dehradun

b. Mangalore

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

DEPARTMENT	
AREA OF RESEARCH	

Space for
Photo

(Passport size)
(Attested)

(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*	th 10	th 12	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 2024

Roll No. (Office use only):

(To be filled by candidate)

Department:

Centre Name:

Name of candidate:

Father's/Husband's Name:

Date of Test: Saturday, August 10th, 2024

Time: 10.00 AM to 12:00 Noon

Venue: Dehradun Centre/Mangalore Centre

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: