



# Graphic Era HILL UNIVERSITY

Established by an Act of the State Legislature of Uttarakhand (Adhiniyam Sankhya 12 of 2011)  
University under section 2(f) of UGC Act, 1956

GEHU/033/Acad./13/N.O/2024 /76

Dated: February 19, 2024

## **NOTICE for Ph.D. Admission January 2024 (REVISED)**

Applications on the prescribed form obtainable from the University website <https://dehradun.gehu.ac.in/research/doctoral-programs/> 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/GPAT scores or Entrance Test and Interview. The application form along with attested copies of Certificates may be submitted to the Office of Dean Research, Graphic Era Hill University, 510 Society Area, Clement Town, Dehradun-248002 along with the fee of Rs 1500/- in Cash or through NEFT latest by **Thursday, 29<sup>th</sup> Feb2024.**

\*Applications forms found incomplete or received after the prescribed date will be summarily rejected.

### **For NEFT**

**Beneficiary Name – GEHU UNIT OF GEES**

**Bank Name – HDFC BANK LTD**

**Branch Account Number – GRAERAHILUNIV**

**IFSC Code - HDFC0004989**

**Branch- Kanjur Marg Railway Station, Mumbai, Maharashtra.**

**UPI QR Code**

Scan here to pay



GRAPHIC ERA HILL UNIVERSITY  
DEHRADUN  
TID NO. 28178226

### **Important Dates:**

Last Date of Submission of Application Form	Thursday, 29 <sup>th</sup> February 2024
Entrance Test through Offline Mode (Valid GATE/ NET (UGC/CSIR)/GPAT) Qualified Candidates is exempted from Written test. However, they have to appear for the Interview on the same day.	Monday, 4 <sup>th</sup> March 2024
Declaration of Result.	Thursday, 7 <sup>th</sup> March 2024
Admission Reporting/ Registration	Monday, 11 <sup>th</sup> March 2024
Commencement of Ph.D. coursework classes	Friday, 15 <sup>th</sup> March 2024

**CONTACT INFORMATION:**

**Ph.D. Cell, GEHU**

**Graphic Era Hill University**

**510 Society Area, Clement Town**

**Dehradun - 248002**

**Contact No – 0135-2645566 Extn. 401 Ph: 8219107323, 7983715334 (9:30 AM to 4:30 PM)**

**Email: [phd@gehu.ac.in](mailto:phd@gehu.ac.in)**

**Notification Link: <https://dehradun.gehu.ac.in/research/doctoral-programs/>**

  
**Registrar** 

**Copy to:**

**PRO to Hon'ble President for his kind information**

1. Hon'ble Vice chancellor for his kind information
2. Pro Vice Chancellor
3. Director Bhimtal
4. Director Haldwani
5. All HOD/Deans/Directors/DRC Heads
6. ERP Cell for information
7. Research Scholars
8. Ph.D Cell
9. Web Administrator- for upload the above notice on University Website
10. Concerned File



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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 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.

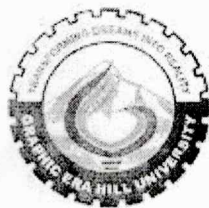
*\*The candidates who are pursuing final semester of respective degree/waiting for results may also apply*

(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.*





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## Entrance Test Details

Date of Entrance Test (Written & Interview): **Monday, 4th March 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	10:00AM – 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**

<u><b>S. No.</b></u>	<u><b>Department</b></u>	<u><b>Areas of Research</b></u>
1	Dept. of Computer Science / School Of Computing	Computational Methods, Machine Learning, IoT, Digital Communication, Data Analytics, Web Semantic, Theoretical Computer Science, Computational Learning, Image and Video Processing, Data Science, Distributed Computing, Deep Learning, Image Processing, Healthcare Informatics, Sensor Networks, NLP, Data Mining, Healthcare, Artificial Intelligence, Web GIS, Fractal Theory, Image Watermarking, Information retrieval, Web Mining, Networking, AI & ML, Power Electronics, RF Antenna and Microwave for 5G & IoT application, ANN, Cloud Computing, Big Data, E-Governance, Fuzzy Techniques, Soft Computing, Algorithms, AI
2	Dept. of Mechanical Engineering	Nano-Materials, Bio-Fuel, Natural Composite
3	Department of Electronics & Communication	Computational Electromangetics, Microwave & THz devices, RF propagation, Antennas, Communication, Soft computing techniques, MIMO, Signal Processing, VLSI and Remote sensing & Communication Soft computing techniques, Soft computing techniques, Energy systems, Low power circuit design, semiconductor device modelling & characterization, Remote sensing, NavIC, electronics in agriculture, machine learning, Organic thin film electronics devices, low power electronics, VLSI design, Organic sensor design, Circuit optimization, Antenna, VLSI, MEMS & MOEMS, Photonics modelling & Optimization, MEMS microfluidics, Organ on Chip, Lab on chip, VLSI circuit design & Optimization

4	SOM	Marketing, HR & OB, Digital Marketing, Business Analytics, Finance, International Business, Human Resource Management, Finance & Entrepreneurship, Finance & Accounting, Supply Chain and Operations Management, Finance & Economics, Business and Industrial Laws and General Management
5	Dept. of Commerce	HR & OB, Marketing, Agri Business, Economics, International Business, Finance, Stock Markets, Financial Institution
6	Department of Environmental Sciences	Climate change effects, Ecology, Natural resources and Bioremediation, Carbon Sequestration, Climate change, Wastewater management, Nanocomposite membranes
7	Department of Mathematics	Numerical analysis, ODE, PDE, Inventory models and SPM Vibration analysis, differential equations, Graph theory and mathematical modeling, Inventory models and their applications, Theoretical Astrophysics – Stellar structures, Mathematical modeling, Reliability theory, Fuzzy reliability, Fluid mechanics, nanofluid flow, irreversibility analysis, heat transfer, Inventory modeling and optimization, , artificial intelligence, machine learning using fuzzy logic, Wavelets, differential equations, uncertainty quantification, Computational fluid dynamics, numerical techniques, heat transfer problem, boundary layers theory, Inventory modeling, optimization and supply chain management, Queuing theory and its applications, Fractional calculus, controllability, Fuzzy optimization, Soft computing techniques, Computational fluid dynamics, Nanofluid, Heat & mass transfer, Simulation and hybrid nano fluid
8	Department of Physics	Recycling of waste paper, Bio-Electromagnetism, Material Science, Quantum Chemistry and Vibrational Spectroscopy, Statistical Mechanics, Soft condensed Matter Theoretical



		Physics, Bio Physics, Ionospheric Research, Natural Hazards, Seismo-Electromagnetics, Earthquake Precursory Research, Radioactive and Environmental studies, Metallurgy of Composites, Condensed Matter Physics, Solar Photovoltaics, Thin Films, Perovskite materials, Optical Fiber Plasmonic Sensors, Thermal Behavior of Nanomaterials, High energy physics (Theory & phenomenology) Atmospheric Physics, Astrophysics (Solar Physics)
9	Department of Chemistry	Carbohydrate Chemistry, Natural Products, Metal Complexes of Drugs, Medicinal Organic Chemistry, Medicinal & Computation Chemistry, Medicinal Chemistry, Nanomaterials, Phytochemicals, Environmental pollutants, Enzyme assays, Oxidative Stress
10	Department of Humanities	Mythology, Critical literary theories, Contemporary literature, Major literary trends, Application and Analysis of Literary Theories.
11	Department of Fashion Design	Sustainable fashion, textiles, fashion design, craft studies, fibers, yarns, wet processing, history of costume & fashion, design thinking, product development
12	School of Pharmacy	Ethnomedicine, Polyherbal formulation, Ethnomedicinal validation with novel approaches, Learning and memory, Brain stroke & Diabetes, , Computer-Aided Drug Design, Novel drug delivery system, Synthesis of heterocycles, Drug designing, Polymer chemistry, Pharmacy Practice with patient centric work on Pharmacovigilance, Neurological disease, Targeted delivery, Biopolymer & Nano-Sciences.

## PhD Fee Structure Details January 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.)
January 2024	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 on wards:**

Full time : Rs.39,900/-  
 Part-time(External): Rs.35,250/-  
 Part-Time(Internal): Rs.13,250/-

\*A relaxation of 25% on tuition fee will be given as State Concession, applicable to candidates from the Hilly States of India on the basis of merit. A student carrying a domicile from these states is eligible for this concession - the states included in this list are: Uttarakhand, Himachal Pradesh, Jammu Kashmir, Sikkim, Arunachal Pradesh, Manipur, Assam, Meghalaya, Mizoram and Tripura.

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





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## **RESEARCH ASSOCIATESHIP/FELLOWSHIP**

Graphic Era Hill 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 qualified / 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 (qualified for 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) Scholar ship 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)



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### APPLICATION FORM

### FOR ADMISSION TO Ph.D. PROGRAMME (January 2024)

Application No. \_\_\_\_\_

(For office use only)

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(Tick the appropriate)	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-MAILID:		MOBILE:			



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## 5. Education Qualifications

QUALIFYING DEGREE PARTICULARS*	<sup>th</sup> 10	<sup>th</sup> 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 \_\_\_\_\_ here by 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





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# **ADMIT CARD**

## **Ph.D. Entrance Test, January 2024**

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**Roll No. (Office use only):**

**(To be filled by candidate)**

**Department:**

**Centre Name:**

**Name of candidate:**

**Father's/Husband's Name:**

**Date of Test: 4th March 2024**

**Time: 10.00 AM to 12:00 Noon**

**Venue: GEHU Campus.**

**Paste photograph**

**Attested**

**In charge  
Admission Cell**

ANNEXURE-1 (FOR PART-TIME CANDIDATES ONLY)

No Objection Certificate from the Organization

*The application of ..... working as  
..... in .....  
since ..... is here with recommended and forwarded for admission under  
Internal/External  
Registration Scheme of the Graphic Era Hill University, Dehradun for part time Ph.D.  
programme in the Department of....., state  
that:*

- i. The candidate is permitted to pursue studies on apart-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 coursework*

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 Hill University, Dehradun.

- (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 Hill 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: