GLA UNIVERSITY
ESTD. 2010

ऋते ज्ञानान्न मुक्तिः

# GLA UNIVERSITY
MATHURA
Recognised by UGC Under Section 2(f)

Accredited with A Grade by NAAC

12-B Status from UGC

## INFORMATION BROCHURE



For Admission to

# Ph.D

(Full Time & Part Time)

# Programme

(Odd Semester 2021-22)

# About **GLA University**

It was the year 1991 Shri Narayan Das Agrawal decided to fulfil the dream of his father, Late Shri Ganeshi Lal Agrawal, of establishing an institute for quality education to the people and the region & beyond. and initiated Sri Jagannath Prasad Ganeshi Lal Bajaj Charitable Trust Samiti in an attempt to make the holy city Mathura a recognized destination for knowledge seekers from different spheres of life. The key goal of GLA University is to create an atmosphere for the students, where higher studies, specialized research projects and effectual training can transpire. The expansion and advancement of any industry lies on innovation and modernization, which comes from new thoughts & ideas and open learning cultures. Students, under the guidance of the faculty members, undertake research projects in core areas of Applied Sciences & Humanities, Engineering, Pharmacy, Management, Education and law.



# Doctoral Programme

**Ph. D (Institute of Pharmaceutical Research)**

Pharmaceutics | Pharmaceutical Chemistry | Pharmacology | Pharmacognosy and Phytochemistry

**Ph. D (Institute of Engineering & Technology)**

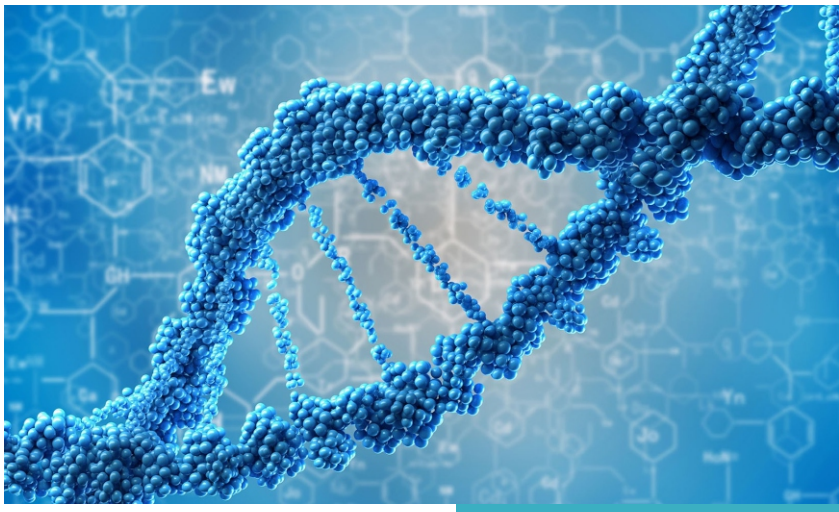
**Computer Engineering & Applications**

Image Processing | Bio Metrics | Computer Vision | Pattern Recognitions | Software Engineering | Information Retrieval | Networking | Data Mining | Network Security | Bioinformatics | Clinical Informatics | Machine Learning | Artificial Intelligence | Machine Learning

**Civil Engineering**

Hydrologic Modelling | Geographic Information System | Remote Sensing | SAR | Geopolymer Concrete | Durability of Concrete | Bio-Concrete | Green Concrete | Structural Durability and Fire Safety | Modelling of Non-Linear Structural Response to Corrosion and Fire | Dynamic Soil-Structure Interaction/Fluid Structure Interaction | Pavement Monitoring | Geosynthetic | Seismic Research Area | Thermo-gravimetry Study | Heavy Metal Assessment | Environmental Engineering | Water Quality monitoring and Assessment | Surface Water Quality





**Electrical Engineering**

Power Electronics for Renewable and Sustainable Energy | Solar Energy | Power Electronics Converter | WAMS | WACS | AI Applications | Power System Stability | Renewable Integration Impacts on Power System Oscillations

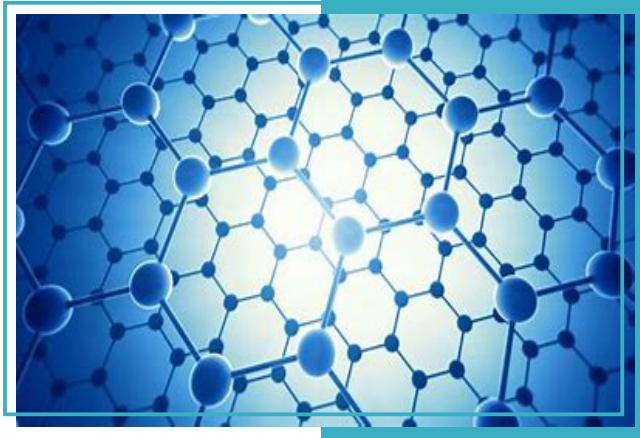
**Electronics & Communication Engineering**

Intelligent Control System | Signal & Image Processing | Nonlinear Systems | Adaptive Nonlinear Control | Process Control | Wireless Communication | VLSI Design | Communication Engineering | Signal & Image Processing

**Mechanical Engineering**

Supply Chain Management | Modelling, Simulation and Characterization of Nanoparticle Reinforced Composites | Modelling Analysis of Bearings | Tribology | Modelling analysis for welding processes | Solar and Thermal Energy Application Using Nanofluids | Two Phase materials Hot Deformation Microstructural Characterization Mechanical Properties CNT-Polymer Composites | Agile Manufacturing | Welding Technology | Simulation of Welding | Friction Stir Welding | Material Processing





**Ph. D (Institute of Applied Sciences & Humanities)**

**Biotechnology**

Genetic Research | Stem-Cell Research | Environmental Science | Environmental Biotechnology | Cancer | Immunology | Forensics | Pharmacology | Food Science | Bioinformatics | Biochemical and Biological processes | Immune System | Immunology | Agriculture Microbiology | Plant Microbe Interaction | Mycology & Plant Pathology | Microbiology & Proteomits | Vermicomposting | Medicinal plants

**Applied Mathematics**

Cosmology | Dark Energy | General Relativity & Gravitation | Modified Gravity | Numerical Solution of Fractional Differential Equations | Fuzzy Mathematics | Operation Research | Fluid Dynamics | Complex Analysis | Bio Mathematics | Special Functions | Functional Analysis | Differential Equations

**Applied Physics**

Theoretical Solid-State Physics | Nano Science | Nano technology | Cismo-Electro Magnetics | Plasma Physics | Modified Theory of Gravity | Photonics & Acoustics | Thin Film Deposition | Photonic Crystal | Relativistic Heavy Ion Collision | Dark Matter Physics | Neutrino Physics | Blackhole | Cosmology

**Applied Chemistry**

Inorganic and Organic Compounds | Material Science | Nano Material Science | Organic Synthesis | Chemical Kinetics | Bio Sciencing & Bio Remedial | Polymers | Proteins

**English**

Linguistics & Applied Linguistics | Literature | Business Ethics | Literature | Stylistics

**Ph. D (Institute of Business Management)**

Corporate restructuring | Organizational behaviour | Financial regulations | Business excellence | Strategic management |Supply Chain Management | Behavioural finance | Entrepreneurship

**Ph. D (Institute of Legal Studies & Research)**

Insolvency Law | Banking and Security Law | Cyber Law | Data Privacy | International Commercial Arbitrary and Mediation Law | Competition Law | Regulation of AI/Robotics | Political Sciences | Constitution Law | Child Law | Corporate Law | Criminal Law | Technology Law

**Ph. D (Faculty of Education)**

Educational Psychology | Educational Philosophy | Educational Technology |Cognitive Development | Teacher Education | Methods of Teaching English | Special Education | New Innovations in Education | Gender Issues |Educational Psychology | Educational Philosophy | Recent Trends in Education

**Category of Ph. D Students**

Applicants for admission to the Ph. D programme shall be classified under any one of the following categories which will be decided and recommended by

Departmental Research Degree Committee (DRDC).

**1. Full-time Research Scholar**

a. Institute Sponsored (With Stipend)

b. Self-Sponsored (Non-Stipend)

c. Externally Funded Research Scholar

- Fellowship
- Foreign Nationals
- Project Funded

**2. Part-time Research Scholar**

a. Internal

b. External





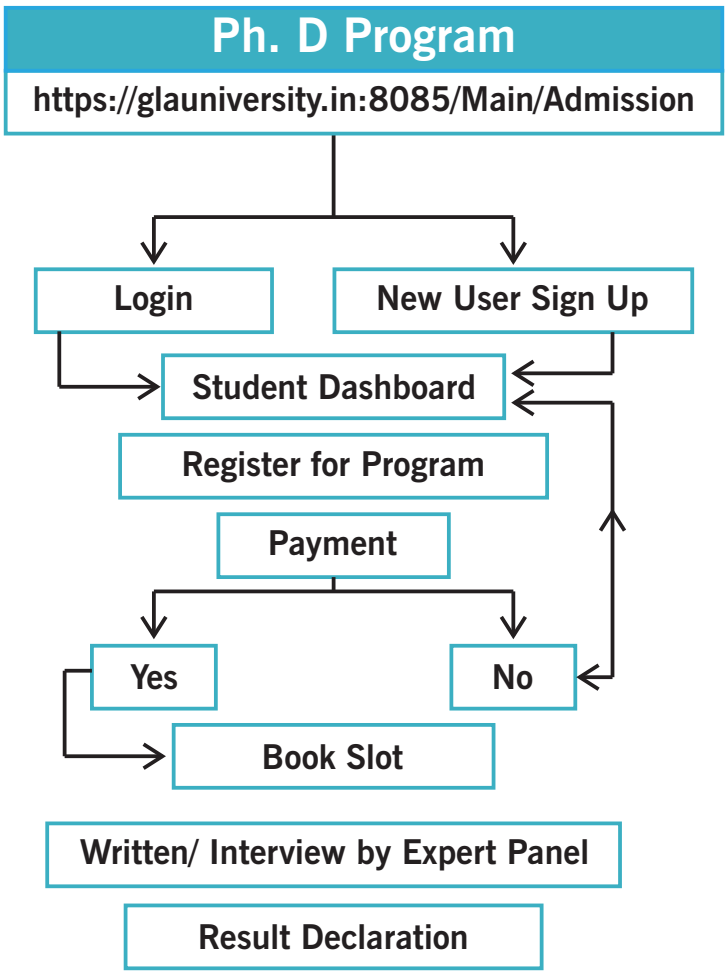
## Eligibility Criteria

*An applicant belonging to the above category should possess the following minimum qualifications in appropriate areas to be eligible to apply for admission for the Ph. D programme of the University:*

- *Candidates for admission to the Ph. D program shall have 55% marks in Master's degree for the admission in Applied Science & Humanities (Biotechnology, Applied Physics, Applied Chemistry, Applied Mathematics, English), Law, Management and Education.*
- *However, 60% marks in Master's degree remaining Courses (Civil Engineering, Computer Engineering & Application, Electrical Engineering, Electronics & Communication Engineering, Mechanical Engineering, and Pharmaceutical Research)*
- *Five Percent Relaxation in the minimum eligibility is provided to SC/ST Category Students.*
- *It is desirable that the applicants, who possess minimum prescribed qualifications for admission to Ph. D program, should have an excellent academic/professional track record in the relevant discipline.*
- ***Candidates with valid M.Phil/NET/JRF/SLET/GATE scores are exempted from written test.***

## Admission Process

The applicant will have to qualify the Ph. D entrance test conducted by the University or central bodies such as UGC /CSIR etc. The qualified applicant will be interviewed by the respective departmental research committee.



## Stages in Ph. D Completion

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| **Registration**<br>Every Six Month |
| **Semester 1 & 2**<br>Pre-Ph. D Stage (Coursework Papers-Compulsory, Domain and General)<br>Allocation of Internal Supervisor |
| **Semester 3**<br>Synopsis and Comprehensive Examination |
| **Semester 4**<br>Semester Progress Presentation (State of Art) |
| **Semester 5**<br>Semester Progress Presentation<br>(Research Publications and Conferences) |
| **Semester 6**<br>Pre-Ph. D and Thesis Submission |
| **Presentation**<br>Oral Defense & Award of Degree |

**Steps that candidates need to follow when pursuing a Ph. D course in order to be conferred a Ph. D degree are listed below:**

1. For each semester, candidate is required to register themselves.
2. Once candidate is selected for Ph. D courses offered at GLA University, they need to submit their Research Proposal along with their Research Topic.
3. Then, candidate is allocated a research supervisor/ guide.
4. After these, candidates are provided details of the Course Work, evaluation methodology and the teaching schedule by the Research Programme Coordinator/ Guide/ Supervisor.
5. For every semester, research scholars have to be submitted his/her semester progress.
6. Ph. D student need to publish at least two research paper in a peer reviewed/refereed Journal and one conference paper.
7. Before aspirants submit their thesis, their supervisor or guide will organise a "Pre-Submission & Thesis Seminar". As part of this seminar, a report will be submitted which will include suggestions for improvement and the supervisor would ensure that candidates incorporate all these suggestions in the final thesis.
8. Candidates then need to incorporate all the changes and submit a summary of their thesis to their supervisor or guide at least 45 days before the submission of the thesis.
9. Finally, candidates need to submit their thesis in hard copy/spiral binding as well as soft copy. This thesis will be examined by external experts. In case, any expert suggests any modifications in the thesis submitted by the candidate then he/ she needs to re-submit a modified thesis.
10. Next, a viva-voce is conducted wherein candidate has to defend his/her research work in oral defence.
11. Candidate who completes all these steps satisfactorily would only be conferred a Ph. D degree.

**Application Fee**

Application Fee (non-refundable) for **Ph. D is ₹1000/-** for all the candidates. The candidates can deposit the requisite application fee by using net banking/debit card/credit card or can send a Demand Draft of **₹1000/-** in favour of GLA University, payable Mathura/Vrindavan at the address GLA University, Mathura, 17 km Stone, NH-2, Mathura-Delhi Road, PO Chaumuhan, Mathura-281406 (Uttar Pradesh). The Fee will not be accepted through any other mode.

Candidate can opt for more than one department, then application fee should be paid in accordance to the number of departments.

**Course Fee Structure**

For details of course fee structure, please visit the following link:

**https://www.gla.ac.in/admissions/fee-structure**

The fee can be submitted by the research scholar in semester-wise/yearly as per the guidelines of University rules/ norms applicable from time to time.

**Financial Assistantship**

A financial assistantship of **₹25000**/- per month will be awarded for deserving full time Ph. D scholar. Also, candidates from academic/corporate having experience of three years or more will get an exceptional advantage.

For more information please visit: **https://www.gla.ac.in/admissions/scholorship**

**Important Dates**

Candidate can submit their application by online mode through **https://glauniversity.in:8085/Main/Admission.** Hard copy of the application need not be submitted.

## Last Date of Application

## 15th July 2021

## Date of Entrance Test & Interview

## 17th July 2021

**For more information, visit www.gla.ac.in**
**Call us at: +91-8126524400, 8476847655, 9927064017**
**Campus: 17 KM Stone, NH#2, Mathura-Delhi Road, P.O.: Chaumuhan, Mathura- 281 406 (UP), India**
**Email: deanresearch@gla.ac.in**



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