



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

**INFORMATION  
BROCHURE**

Accredited with **A** Grade by **NAAC**

**12-B Status from UGC**



For Admission to

**Ph.D**

(Full Time & Part Time)  
**Programme**

(Odd 2022-23)

# About GLA University

GLA University is a lush green campus having more than 12,000 students enrolled in various professional courses. GLA University, Mathura is a living, learning, and working community dedicated to personal and academic growth of its students and serves as an educational, cultural, and economic driver for greater public good. GLA University has emerged as research driven institute. There are 15 departments in the university and 12 research centres equipped with latest technology and research equipment. Besides this, University has signed a number of MoUs with leading research organizations from India and abroad. We envision being one of the world's leading academic institutions by pursuing excellence in research and promoting innovation, by offering world-class education to prepare future leaders in science and technology and applying scientific and technological breakthroughs to India's wealth creation and social welfare. Every year many students and researchers are honored by multiple organizations for their patents and high-quality research contributions.

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## 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

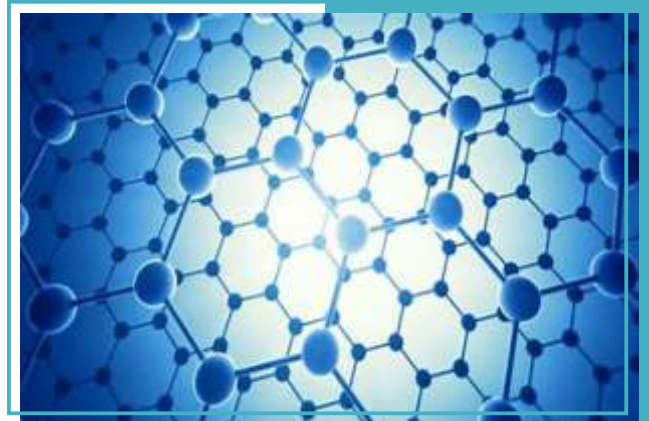
Power Electronics for Renewable and Sustainable Energy | Solar Energy | Power Electronics Converter | WAMS | WACS | AI Applications | Power System Stability | Renewable Integration Impacts on Power System Oscillations

#### 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 (Centre for Cosmology, Astrophysics and Space Science)**

Cosmology | Dark Energy | Modified Gravity | Astrophysics | High Energy Physics | Astroparticle Physics | Radiation Physics | History & Philosophy of Science | Space Science Technology

## **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 & Proteomics | 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**

Medical 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)**

Marketing | Human Resource Management | Organizational Behavior | Finance | Entrepreneurship | International Business | Economics | Operations Management and other allied areas

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

Insolvency Law | Banking and Security Law | Cyber Law | Data Privacy | International Commercial Arbitary 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 | Special Education | Innovations in Education | Gender Issues | School Education | Recent Trends in Education | Inclusive 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 (Without Stipend)
- c. Externally Funded Research Scholar
  - Fellowship
  - Foreign Nationals
  - Project Funded

#### **2. Part-time Research Scholar**

- a. Internal
- b. External





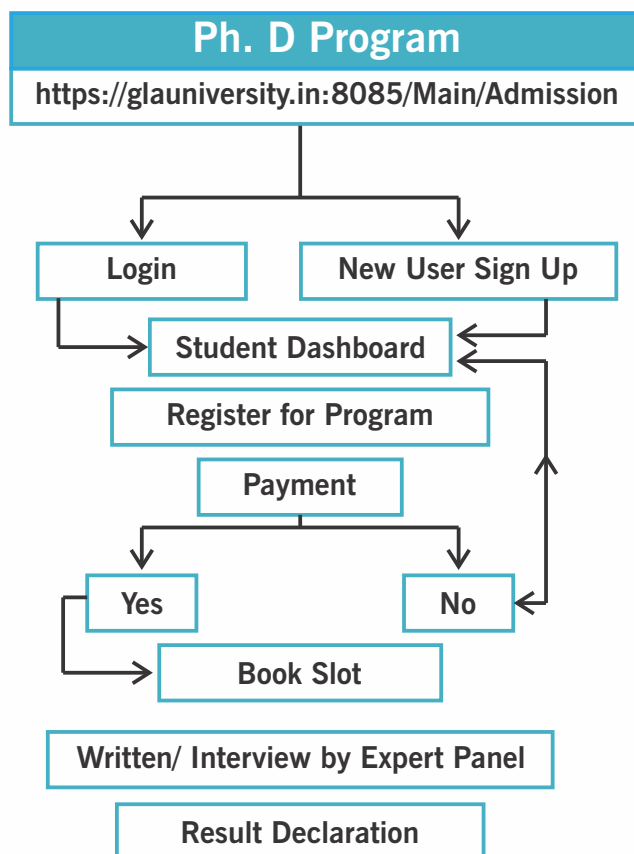
## Eligibility Criteria

An applicant belonging to the previously mentioned category should possess the following minimum qualifications in appropriate areas to be eligible to apply for 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 Sciences)
- 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/GPAT scores are exempted from written test.**

## Admission Process

The applicant 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.



\*Flow chart for presentation purpose only. This is subjected to fulfillment of university norms.



## Stages in Ph. D Completion

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

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

1. For each semester, candidate required to register him/her self.
2. Once candidate is selected for Ph.D courses offered at GLA University, he/she need to submit his/her Research Proposal along with his/her Research Topic.
3. Then, candidate is allocated a research supervisor/ guide.
4. After these, candidates are provided with the 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 submit his/her semester progress.
6. Ph.D. student need to publish at least two research papers in a peer reviewed/referred Journal (SCI/Scopus/SSCI/ABDC) and two conference papers.
7. Before aspirants submit their thesis, the candidate has to appear for "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. Candidate then need to incorporate all the changes and submit a summary of the thesis to his/her supervisor
9. Finally, candidate need to submit his/her 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 will be 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. 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.

For more information please visit: <https://www.gla.ac.in/admissions/scholarship>

## Important Dates

Candidates can apply online through <https://glauniversity.in:8085/Main/Admission>. Hard copy of the application need not to be submitted.

**Last Date of Application**

**20<sup>th</sup> June 2022**

**Date of Entrance Test & Interview**

**2<sup>nd</sup> July 2022**

**Total Grant Received from  
Government Sponsored Projects**

**₹ 12 Crore<sup>+</sup>**

**Patent Published**

**300+**

**Patent Granted**

**23+**

**Total Publications**

**2800+**



For more information, visit [www.gla.ac.in](http://www.gla.ac.in)

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