



INFORMATION BROCHURE

Ph.D. Program 2025-2026



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**Phagwara-Hoshiarpur Road, Phagwara,
Punjab 144401 (INDIA)**

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🌐 www.gnauniversity.edu.in

✉ admissions@gnauniversity.edu.in

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From the Desk of the Chairman



I feel delighted to welcome you all to the GNA University. Our vision at GNA University is to develop a workforce having the professional capacity which is

acceptable across the globe. Once you finish your chosen area of study in the University it makes you ready for the desired employment. We ensure that your academic journey at GNA remains rich and rewarding. We at GNA University strives to provide technology driven and tech supported learning environment to enhance your experience of learning. The education sector is undergoing tremendous

S. Gursaran Singh
Chairman,
GNA University

From the Desk of the Chancellor



In the present world, there are revolutionary changes in all the learning domains. Knowledge and information are growing manifoldly. The

conventional disciplines are undergoing rapid changes. We at GNA University, are striving to bring that change in the learning and development activities of the students. To meet the expectations of the nation and aspirations of society we follow the highest institutional principles. We are committed to bring excellence in all the activities pertaining to teaching, learning, research and

S. Gurdeep Singh
Chancellor,
GNA University

VICE CHANCELLOR'S DESK



GNA University (GU) is a leading NAAC accredited University which was established in 2014 with a vision to impart education and promoting research in various disciplines of engineering, technology, science, management and medical science. GU focuses on providing an exciting research driven experiential learning experience to the students with a global perspective. Being a multidisciplinary University, we strive for achieving multi-faceted objectives, mainly including developing research acumen, encouraging entrepreneurial skills, fostering leadership, and above all, nurturing the students as responsible citizens. All academic programmes at GU are known for the excellence and highly valued by our students and industry partners.

GU offers PhD programmes in many disciplines. Besides, multidisciplinary and interdisciplinary research on doctorate level are highly encouraged. We have set up modern states of the art research laboratories which are equipped with the most sophisticated equipment and technology for the experimental research. Our library acquires excellent study material in digital form including reference books, research journals, magazines etc. by subscribing world's most reputed research data bases. It also extends access to PhD theses database to our scholar through delnet platform. It has also subscribed to "CMIE Prowess" database comprising the data of more than 40,000 government and private organizations and is mostly used by the scholars who pursue quantitative research. It has the latest plagiarism software "Turitin" to ensure the originality of research work. Moreover, our PhD supervisors are highly knowledgeable, dedicated, and ready to extend all possible support to the scholars. GU has a strong industry and community interface to engage the scholars on solving real life problems.

We at GU strive for research-driven education.

Finally, our University has a long tradition of striving for excellence in whatever we do. I hope we will be able to maintain this in the years to come.

Dr. Hemant Sharma
Vice Chancellor,
GNA University

DEAN's DESK



In 2016, University establishes its own Research and Development Cell (RDC) to start research programs. The first batch of Ph.D. programs started in the same year. The vision of the RDC is to represent the university as global research hub by putting a robust mechanism for developing and strengthening the research

ecosystem within university aligned with NEP-2020.

The mission of RDC includes

(i) To create supportive environment for Enhanced research productivity.

(ii) To encourage collaboration across industry, society and government based organizations and agencies.

(iii) To facilitate greater access to research through mobilization of resource and funding.

To promote excellence in education, Research at GNA University is promoted with a clear approach to bringing quality in the research and providing solutions to the

problems that exist in society. The University allocates a budget to each academic unit in every session for investment and research expenditure. In addition to the above, the University supports, monitors, and enhances the research efforts of faculty through various committees and policies. All the research policies are revised from time to time to promote future endeavors of the Research Scholars and Researchers.

Dr. Neeraj Puri
Asst. Dean Research,
GNA University



ABOUT GNA UNIVERSITY

GNA University (GU) is designed to be a leading higher education organization engaged in creating, preserving and imparting knowledge to a diverse community of students. The University aspires to nurture value based leaders who have knowledge and skills to create success in their organizations.

The university seeks to improve the quality of life through eclectic blend of science, technology and humanities for innovative solutions to real life problems. The university is engaged in imparting, creating, preserving and propagating knowledge in the global context.

The unique feature of the programs conducted at the University is the focus on experiential learning, industrial internships, learning to learn principles, flexible, credit based study programs and holistic development of personality which in turn will ensure employability of the students.

The GNA University benchmarks itself with leading institutions across the world in terms of intellectual capital, academic quality, delivery practices and industry linkages. The University credo includes focus on meritocracy, transparency, accountability, ethical behaviour and service orientation.



GNA University Research and Development Cell (GURDC)

GURDC is research governing body that addresses all the research related matters. It offers an intellectually demanding doctoral program for high-potential applicants who already have a breadth of knowledge in functional area of their chosen sector and having an inclination towards research development.

Ph.D. PROGRAM

GU is committed to create a pool of imaginatively gifted leaders who can push the boundaries of knowledge and skills, challenge the intellectual threshold to address the problems of the society via cutting-edge research and collaborative projects between academia & industry.

Ph.D. Program at GU is committed to train scholar and researcher to attain excellence in scientific & technical education, portraying the nation as a research hub at global platform. This program is design to shape research centers at GU to be truly Global Interdisciplinary Research Center of Excellence where Teaching and Research are closely interwoven representing all academic disciplines.

GNA University offers Ph.D. program in following streams:

Business Management and Commerce / Hotel Management / Tourism / Physical Education / English / Journalism and Mass Communication / Physics / Chemistry/ Mathematics / Mechanical Engineering / Computer Science Engineering / Electronics and Communication Engineering / Computer Application/ Pharmaceutical Sciences

APPLICATION CATEGORIES

- Regular Self - Financed: Regular candidates affording the cost of research working at GU.
- GU Research Assistant (GRA): Exceptional candidates receiving assistantship from GU.
- MoU Candidates: Candidates working under any MoU between with GU and external organization.
- NET/GATE/SLET Candidates with or without fellowship.
- JRF/SRF/RA: Candidates carrying own Fellowships from Govt. bodies.
- JRF/SRF/RA Under Funded Research Projects in GU.
- Regular Academic Staff of GU: Register for part time Ph.D.
- Non-academic Staff of GU: Register for part time Ph.D. while fulfilling eligibility criteria
- Sponsored/Corporate Candidates: Sponsored by organizations/corporate houses
- Working faculty other than GU: Register for part time Ph.D. while fulfilling eligibility criteria.

**Eligibility Criteria: 55% marks in Master's Degree
(50% in case of SC/ST/OBC)**

ELIGIBILITY

For admission to the Ph.D. programme at GU, applicants fulfilling the following criteria shall be treated as eligible:

- Candidate having passed Post Graduate Degree (Master Degree) Examination with at least 55% marks (50% marks in case of SC/ST/OBC) or equivalent Grade Point Average (GPA).
- The Entrance Exam and interview carry 70% and 30% weightage respectively for the final selection.
- Candidates possessing a Degree considered equivalent to Post Graduation / Master's Degree of an Indian Institution, 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 for the purpose of assessing, accrediting or assuring quality and standards of educational institutions, shall be eligible for admission to Ph.D. programme.

ENTRANCE EXAMINATION

- Entrance Examination shall be conducted twice in a year for the admission cycle beginning in July and January respectively depending on the number of vacancies.
- Entrance Examination will be valid for consecutive two semesters.
- Application fee shall be as per university norms prescribed from time to time.





EXEMPTION FOR ENTRANCE EXAMINATION

- A candidate having qualified SLET/NET/JRF/SRF examination of the apex bodies such as CSIR/UGC/ICAR/ICMR/DST/DBT/ICSSR and/or any equivalent test/exam/fellowship received will be exempted from Entrance Examination.
- Foreign candidates holding valid visa for PhD studies under ICCR or any other exchange programme shall be considered for exemption from entrance test examination. However, the decision of the research committee will be final in such circumstances.
- Candidates entitled for exemption from the Entrance Examination shall submit the Registration Form along with relevant supporting documents within the stipulated period before the date of interview.

STRUCTURE OF THE ENTRANCE EXAMINATION

The test will be conducted in two phases (or as per UGC Guidelines) comprising objective type questions in Paper I and II. Paper I and II will be carrying 100 marks each having 60 questions out of which 50 are to be attempted in 60 minutes per paper.

Paper I – Research Methodology (MCQ)

Paper II– Subject Specific (MCQ)

Minimum 50% marks are required to be considered as “Qualified” to appear in personal interview. There shall be no negative marking.

INTERVIEW / ADMISSION / REGISTRATION

- All eligible candidates shall be required to appear for interview to make a presentation on proposed research before Interview Committee / Doctoral Research Committee (DRC)/ Research Advisory Committee (RAC).
- After satisfactory presentation, the list of selected candidates shall be sent to the Dean, Research.
- The Registration will be confirmed after the approval of Research Advisory Committee (RAC). Dean Research shall admit and register the candidate(s) as per the rules and regulations of the University.
- All the successful candidates seeking admission to the Ph.D. programme shall apply to the Registrar, GNA University in the prescribed Application Form along with the registration fee as may be prescribed from time to time.
- The registration shall be valid for six years.

PH.D. THROUGH PART-TIME MODE

- Ph.D. programmes through part-time mode will be permitted only for working officials, provided all the conditions stipulated in the Ph.D. Regulations 2022 are fulfilled.
- The candidate shall submit a “No Objection Certificate” for a part-time Ph.D. programme from the appropriate authority in the organization where the candidate is employed, clearly stating that:
 - The candidate is permitted to pursue studies on a part-time basis.
 - His/her official duties permit him/her to devote sufficient time for research.
 - If required, he/she will be relieved from the duty to complete the course work.
- The institute do not conduct Ph.D. programmes through distance and/or online mode.

COURSE WORK

The qualified candidates must undergo course work which is compulsory as under:

- Research Methodology (Quantitative Methods and Computer Applications).
- Research and Publication Ethics.
- Advanced Level Subject Specific Course.
- Seminar/Presentation.

The course work will be for a minimum Period of one semester. It is mandatory (as per UGC norms) for every candidate to clear / pass the course work examination.

ALLOTMENT OF RESEARCH SUPERVISOR

Allotment of Research Supervisors for selected candidates shall be decided by the University in a formal manner depending on the number of seats or the available specialization among the faculty members. Research Supervisors and the research interest as indicated during interview by the candidates will form the basis of supervisor allotment.

According to the UGC regulations 2022, the allocation of Ph.D. supervisors is structured as the main Supervisor is a permanent faculty member from the department where the Ph.D. candidate is enrolled. In cases of interdisciplinary or multidisciplinary research, a co-supervisor may be appointed from other departments of the same or any other Universities with the permission of the main supervisor and three-member committee composed of Vice Chancellor, Dean-Academics and Dean-Research. It's noteworthy that adjunct faculty members are not permitted to act as main research supervisors but may serve as co-supervisor.

RESEARCH PROGRESS

- Followed by the coursework the candidate is required to make a presentation of his/her Final Synopsis/Research Proposal (in the format described) in consultation with research supervisors before the RAC.
- If the presentation is unsatisfactory, the proposal shall be revised and the applicant shall be required to submit a fresh proposal and make a presentation again after a gap of one month and/or as suggested by the RAC.
- Followed by the coursework, the candidate is required to submit his Synopsis/ Research Proposal within 12 months from the date of successful completion of PhD course work. However an extension of maximum period of six months shall be given by Vice Chancellor of the university on the recommendation of Research Advisory Committee. If the research work of a PhD student involves experiments /data collection related to the medical field, environment issues etc.; he will require the approval from Ethics Committee of University through Supervisor /Co-supervisor to pursue that research work.
- The RAC may also recommend a Co-Research Supervisor/s (in case of inter-disciplinary subjects) from any recognized University.
- During the execution of research work if the candidate and supervisor find the need of minor modifications in the title and the proposed plan of the research, the supervisor shall approach the DRC with justifications. The DRC in consultation with RAC shall approve such changes.
- As per provisions of Ordinance, registered candidates shall not be allowed to register simultaneously for any other degree course in regular mode.
- All the registered candidates shall be required to deliver a presentation and submit a progress report to the DRC in consultation with Research Supervisors after every six months. If a candidate fails to submit three reports consecutively, his/her registration may be treated as cancelled on recommendation of DRC.
- DRC shall also send a copy of the progress report submitted by the candidate to the Dean Research. Dean Research shall forward the copy of the progress report to RAC for further approval. RAC shall scrutinize the progress reports and prepare a brief statement on the progress of the candidate.

CANCELLATION OF REGISTRATION

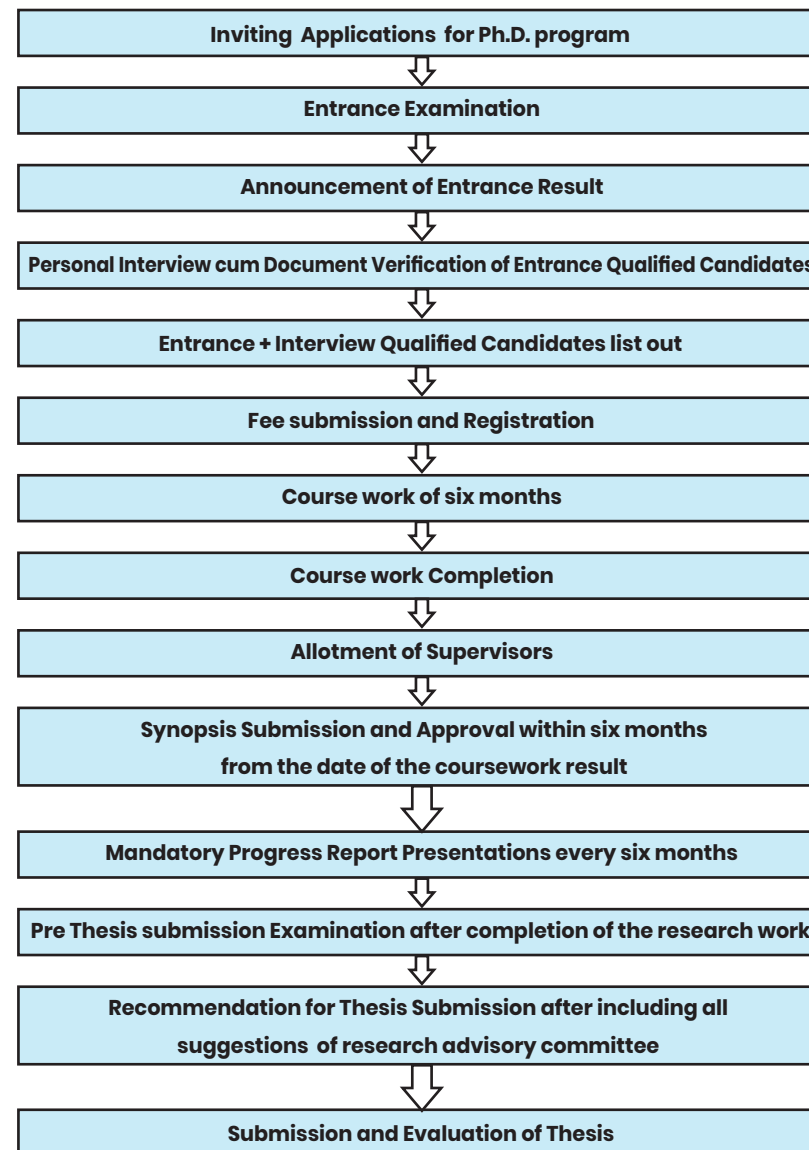
- The registration of a research Scholar, who has exceeded the maximum period stipulated for Ph.D. program and also because of disciplinary action, shall stand cancelled automatically.
- In case of indiscipline at any stage, registration will stand cancelled if found guilty of indiscipline by the committee constituted by Vice Chancellor.
- The registration of a research scholar is liable for cancellation by RAC if
 - If he/she has not paid the fee for continuous two semesters.
 - The PhD work performance is not satisfactory to the DRC/RAC and accordingly recommended for cancellation.
 - The PhD scholar withdraws the course and wishes to cancel her/his registration.

SUBMISSION AND EVALUATION OF THESIS

Submission and evaluation of pre-thesis, format and evaluation of thesis and viva voce in defence of the thesis will be organized as per GNA regulations and as per the guidelines of University Grant Commission.



COMPLETE PROCEDURE OF PH.D PROGRAM





FELLOWSHIPS AND CATEGORIES OF CANDIDATES

- The Ph.D. program leading to the doctoral degree is a self-financed program. No students / candidates can claim fellowships / scholarships / funds for research work other than what they have qualified for via competitive examination at national or International level.
- Research committee can consider any fellowships / scholarships if available to meritorious or exceptional candidates.

Fee Structure

Application Fee	Rs. 1000/- (For all Categories)
Tuition Fee	Rs. 50,000/- for first semester (Including Registration Fee of Rs. 10,000/-) Rs. 35,000/- for subsequent semesters

Note: Fee structure is subject to revision from time to time.

For Students from Abroad

Application Fee	\$ 100 USD
Registration Fee	\$ 150 USD (Included in Tuition Fee)
Tuition Fee	\$ 900 USD for 1 st semester \$ 600 USD for subsequent semesters

Note: Application fee, tuition fee and registration fee is Non-Refundable.
Fee structure is subject to revision from time to time.



GNA Business School



Dr. Hemant Sharma
Research Area: General and Operational Management



Dr. Monika Hanspal
Research Area: Banking and Finance



Dr. Sameer Varma
Research Area: Commerce



Dr. Rajinder Kaur
Research Area: Economics/General Management



Dr. Parveen Singh Kalsi
Research Area: Marketing



Dr. Ramandeep Singh
Research Area: Finance



Dr. Manpreet Kaur
Research Area: Marketing/Political Marketing/Social Media Marketing



Dr. Namita Kalra
Research Area: Finance and Marketing



Dr. Annumeet
Research Area: Finance and Management



Dr. Yuvika Midha
Research Area: Finance



Dr. Neetu
Research Area: Finance



Dr. Anjel Raj
Research Area: Digital Marketing

School of Hospitality



Dr. Deepak Kumar
Research Area: Hotel Management / Human Resource



Dr. Sumant Sharma
Research Area: Hotel Management/ House Keeping and Front Office



Dr. Prince Verma
Research Area: Pro-poor Tourism and Community based Tourism



Dr. Ishan Bakshi
Research Area: Hospitality Management / Guest Satisfaction/ Innovations in Food Service



Dr. Sonu Kumar
Research Area: Destination Development impact on local cuisine



Dr. Adorn Verma
Research Area: Sustainable Tourism

School of Engineering Design & Automation



Dr. C. R. Tripathy
Research Area: Additive Manufacturing



Dr. Vikrant Sharma
Research Area: Optical Fibre/Wireless Sensor Networks/AI



Dr. Anuranjan Sharda
Research Area: Thermal / Energy Engineering



Dr. Sunil Kumar Paswan
Research Area: Micro/nano machining processes and Industrial Automation



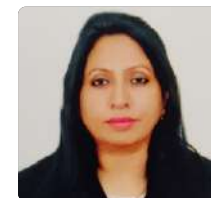
Dr. Ranvir Singh
Research Area: Additive Manufacturing, Material Composition, Biomedical Plants



Dr. Deepanshu Srivastava
Research Area: Computer Integrated Manufacturing, Automation, Robotics, Industry 4.0



Dr. Sumit Chopra
Research Area: Digital Image Processing/ Soft Computing / Machine Learning



Dr. Nipun Chhabra
Research Area: Cloud computing, Electronics, Microprocessor and Data Structures



Dr. Gagandeep Singh
Research Area: Cyber Security- Trust and Security for our Digital Life



Dr. Arvind Katayayn
Research Area: Computer Aided Design, Finite Element Method



Dr. Neeta Rana
Research Area: Machine Learning



Dr. Pallavi Sharma
Research Area: Machine Learning, Signal Processing

School of Computational Sciences



Dr. Hitesh Marwaha
Research Area: Cloud Computing/Data Analytics/Algorithm Design & Analysis



Dr. Anil Pandit
Research Area: Cryptography / Information Security / SNMP / Network Security



Dr. Rajdeep Kaur
Research Area: Open source software Projects



Dr. Harmeet Singh
Research Area: Wireless Sensor Networks



Dr. Salliah Shafi
Research Area: Machine Learning



Dr. Pooja Rana
Research Area: Machine Learning

School of Natural Sciences



Dr. Neeraj Puri
Research Area: Nano materials doped Ferroelectric Liquid crystals/ condensed Matter Physics



Dr. Yogesh Bhalla
Research Area: Industrial Mathematics / Differential Equations



Dr. Rashmi Sharma
Research Area: Analysis/Fixed Point Theory/Spaces in Real Analysis



Dr. Barjinder Kaur
Research Area: Nonlinear Dynamics/ Plasma simulation and Techniques/ Plasma physics



Dr. Isha Arora
Research Area: Nano materials, Thin films, Transparent conducting oxides



Dr. Shahnaz Kossar
Research Area: Nanofabrication and Nanoelectronics, Semiconductors and thin films technology



Dr. Kuljit Kaur
Research Area: Organic and Materials Chemistry/ Waste water treatment



Dr. Tanu Mittal
Research Area: Nanomaterial-Nano composite/Material Chemistry/Hybrid solar cells/water treatment



Dr. Rishi Kant
Research Area: Bioinorganic and Coordination Chemistry/ Computational Chemistry Synthetic chemistry



Dr. Aashima Beri
Research Area: Biophysical Chemistry/ Physical Chemistry



Dr. Jaya Gupta
Research Area: Wavelet Theory, Numerical Methods.

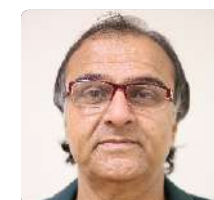


Dr. Rafiya Nazir
Research Area: Micropolar theory of elasticity

School of Liberal Arts



Dr. Ashwani Rana
Research Area: Contemporary Fiction, Drama and Literary Criticism



Dr. Dinesh Kumar Sharma
Research Area: English Literature

School of Physical Education & Sports



Dr. Parm Preet
Research Area: Sports Training, Officiating & Coaching



Dr. Suresh Kumar
Research Area: Test & Measurement in Phy. Edu & Sports and Sports Psychology



Dr. Mansi Singh
Research Area: Journalism/ Development Communication

School of Design & Mass Comm.

GNA School of Pharmacy



Dr. Lalit Kumar
Research Area: Pharmaceutics



Dr. Neeraj Choudhary
Research Area: Cognosy



Dr. Anchal Rani
Research Area: Biodegradation, Environmental Microbiology

School of Allied & Healthcare Sciences