



Advertisement No: AU/R&D/PhD/Adm/032025-SUMR.

Date: 3rd March, 2025

PhD Admission Summer Session 2025-26 at Adamas University

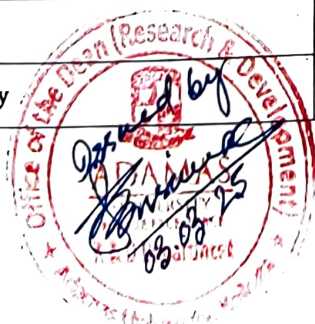
Apply by 22nd May- 2025

A constant endeavour towards innovation coupled with a powerful spirit of research has been the hallmark of Adamas University since its inception. With a robust infrastructure and a strong/powerful research orientation, Adamas University is all set to offer Ph.D. programme in the areas of Basic & Applied Sciences / Engineering & Technology / Humanities & Social Sciences / Law / Management/Education.

As per the UGC guidelines 2022 and its amendments, the academic programme leading to the Ph.D. degree at Adamas University involves a course work program (one semester) followed by a research project leading to thesis submission. Adamas University also actively encourages research in interdisciplinary areas through a system of joint supervision and interdepartmental group activities. The University also undertakes sponsored research and development projects from industrial and other organizations in public as well as private sectors.

List of PhD Program (s) running under Adamas University:

Discipline	Field of Specialization (s)
Mechanical Engineering	Vibration, MEMS, Piezoelectric Materials
Electrical Engineering	Control system analysis and identification
Civil Engineering	Concrete & Construction Technology Innovative & Sustainable Building Materials Rubberized Concrete Composites Geopolymer Concrete Construction Management Nanomaterials and its Application, Waste Water Treatment using Membrane Technology Removal of Decontamination of Arsenic and Fluoride from Ground Water Waste Management
Electronics & Communication Engineering	MEMS, NEMS, Devices, Bio-Medical Electronics, Nano Technology and sensors, Signal and Image Processing, Pattern Classification, Gesture Recognition
Computer Science & Engineering	Formal Methods, Symbolic Logic, Application of MI/AI Cloud base infrastructure, Nano communication networks, 5G wireless, network and IoT, Information centric networks, Quantum, Dot Cellular Automata (Nano Computing)
Physics	Condensed matter physics, Electronics, Solid-state physics & electronics, High-energy Physics, LASER & Fiber optics
Chemistry	Physical chemistry, organic & inorganic chemistry, material science, nano-science, environmental chemistry, industrial chemistry



Mathematics	Hydrodynamics and Analytical/Numerical Modeling solute transport in geological formations, Mathematical Modelling of Biosciences, Fuzzy Set Theory, Multi-criteria Decision Making, Abstract Algebra, Module theory and Number Theory, Production Inventory and supply chain management, Data mining and machine learning, Ocean data analysis, numerical/statistical modeling and forecasting, Thermoelasticity, Numerical Methods in Finance,
Geography	Urban Geography and Environmental Geography Hydrology and Disaster Management, Medical Geography and Social Geography, Water Resource Management and Fluvial Geomorphology
Psychology	Clinical psychology, Cognitive psychology, Social psychology, Forensic psychology, Counseling psychology
Biotechnology	Microbial Bioremediation, Medicinal plants and ayurveda, Biosurfactants as antimicrobial agents, Enzyme technology, Nanobiotechnology, Natural Product Development, Protein folding and role of chaperone, Computational Biology, Bioinformatics and AI in healthcare and diseases, MicroRNA and infectious diseases, Space biology, Plant secondary metabolites, Environmental biotechnology Nutraceuticals and its applications, Microbial ecology
Microbiology	Antimicrobial activity and AMR, Nanobiotechnology, Symbiotic plant-microbe interaction, Applied Microbiology in Food and Public Health, Phage based target discovery in designing novel antimicrobial compounds, Tissue engineering and Biomaterials
Biochemistry	Protein Biochemistry, Plant Biochemistry and Biotechnology,
Media, Communication & Fashion	Journalism, Advertising, Film Studies, New Media, Media & Communication
Bengali	Language, Poetry, Society, Novels
English	Comparative Literature, Dalit Study, Children literature, Environmental literature
History	Colonial Bengal, History of Medicine, Folk & Tribal Culture, Ancient Indian History
Political Science	International relations & diplomacy, Governance
Sociology	Ageing, politics, culture, urban sociology, clinical sociology, ethnicity and race
Law	Business law, Environmental Law, Arbitration, Information Technology Law, Family Law, Intellectual Property Law, Procedural Law and Substantive Law.
Economics	General economics, Transport economics, finance, market, macro & micro economics agriculture economics, socio-economics
Commerce	Accounting, Finance, Marketing
Management	Marketing/General Management, Human Resource Management, Finance
Education	Psychology of Education, History of Education, Women Education, Inclusive Education, Special Education, Music in Education, Creativity in Education
Pharmacy	Pharmacology, Pharmaceuticals, Pharmaceutical Chemistry, Pharmaceutical Analysis
Environmental Science	Sustainable Technology, Climate Change, Water, Health
Stem Cell Biology and Regenerative Medicine	Human germline specification and gametogenesis, totipotency and pluripotency, human embryonic and placental development, epigenetic reprogramming and RNA mediated genome control, epigenetic inheritance and genomic imprinting, infertility and ageing
Forensic Science	DNA fingerprinting, Genetic profiling, Serology and body fluid identification, Drug and poison analysis, Alcohol and narcotics testing, Cybercrime investigation

PhD Tentative Vacancy List: Summer Session; 2025-26 Academic Year

Sl. No	PhD Program	PhD Seat Vacancy (UR)
1	Microbiology	05
2	Biochemistry	05
3	Biotechnology	05
4	Electrical and Electronics Engineering	05
5	Computer Science & Engineering	05
6	Mechanical Engineering	05
7	Civil Engineering	05
8	Mathematics	05
9	i) Physics ii) Medical Physics & Instrumentation	05
10	Chemistry	05
11	Geography	05
12	Environmental Science	05
13	Forensic Science	04
14	Political Science	01
15	History	01
16	Management	05
17	Education	05
18	Journalism / Communication Management	05
19	Law	05
20	Bengali	01
21	English	01
22	Pharmaceutical Sciences	07
23	Stem Cell Biology and Regenerative Medicine	01

WRITTEN EXAMINATION AND INTERVIEW:

The Examination will be conducted online.

- *The Examination will start at 11:00 a.m..*
- *The Examination will be for Two hours duration.*
- *The Examination will test candidates' General Research Aptitude and Core Knowledge in the relevant discipline.*
- *The candidates, who qualify the RET examination are eligible to appear in the Interview, and accordingly the qualified candidates will be intimated for appearing in the interview.*

Note: -Candidates who have qualified in UGC NET / CSIR (JRF) Examination / SLET / GATE are exempted from the RET examination (Written Admission Test).



Eligibility

Qualifying Degree: Master's or equivalent degree in the relevant branch (or allied subjects).

All candidates seeking admission to the PhD program shall have to possess the requisite marks / grades in qualifying examination as indicated below:

Master's Degree or equivalent as approved by Association of Indian Universities (AIU) in Arts, Science, Commerce, Engineering, Technology or any other discipline.

Graduate in Professional courses recognized by law, such as, Medical, Law, Chartered Accountancy, Cost Accountancy, Company Secretary, etc. with good academic record and having aptitude for research.

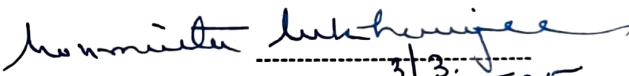
The qualifying marks for Social Science / Humanity is 55% in PG level and for others 60% or equivalent grade in PG level.

Filled in application form (download from web-site) with supporting documents (certificates, mark-sheets, NET / GATE or equivalent qualification proof / certificate) and on-line application fees submission receipt/proof are to be sent in the following mail ID on or before 22nd May- 2025 (3:00 PM):

secretary.phdcell@adamasuniversity.ac.in

N.B. Considering the unpredictability of these present times, the University may, at its sole discretion, modify the above-stated Guidelines of entrance, vacancy list and eligibility, with or without notice to the applicant. Any such modification will be effective immediately upon public posting. The continuance of the applicant in proceeding with application, following any such modification, constitutes the applicant's acceptance of these modified terms.

Date: 3rd March, 2025


3/3/25
Dean (Research & Development)/ PhD Cell in-Charge
Adamas University
Kolkata 700126

