

## PhD Admissions

January 2024

### Research Areas and Vacancies

PhD Subject Specialization	Research Areas	Vacancies
Computer Science and Engineering	<ul style="list-style-type: none"> <li>Artificial Intelligence and Machine Learning</li> <li>Wireless Networks, Network Security, Cybersecurity, Data Science</li> </ul>	14
Electronics and Communication Engineering	<ul style="list-style-type: none"> <li>VLSI</li> <li>Stochastic Computing</li> </ul>	5
Economics	<ul style="list-style-type: none"> <li>Development Economics</li> <li>Microeconomics</li> </ul>	4
Psychology	<ul style="list-style-type: none"> <li>Health Psychology</li> <li>Yoga and Indian Psychology</li> <li>I/O Psychology</li> <li>Arts and Health</li> </ul>	4
Computer Science	<ul style="list-style-type: none"> <li>Data Science</li> <li>Soft Computing</li> <li>Machine Learning</li> <li>Deep Learning</li> </ul>	4*
Life Sciences	<ul style="list-style-type: none"> <li>Urban Biodiversity and Green Corridors</li> <li>Ecological Niche Modelling - Threatened and Endemic Fauna</li> <li>Biodiversity In Agricultural Landscape</li> <li>Ecology and Behavior of Birds</li> <li>Biodiversity and Ecosystem Services</li> <li>Human Animal Co-Existence</li> <li>Biochemistry</li> </ul>	20

\* Note: For the PhD admissions under Computer Science please contact [registrar.despu@despune.org](mailto:registrar.despu@despune.org) before applying.

## Eligibility Criteria

The following are eligible to seek admission to the Ph.D. programme

1. Candidates who have completed a 1-year/2-semester master's degree programme after 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 a 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 as per the decision of the Commission from time to time. 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.
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.

Reservation is applicable only to Maharashtra domicile candidates provided they submit the necessary documents for reservation before interview. Outside Maharashtra candidates will be considered in the OPEN category.

## Procedure for Admission

1. The admission shall be based on the criteria notified by the institution, keeping in view the guidelines/norms in this regard issued by the UGC and other statutory/regulatory bodies concerned, and taking into account the reservation policy of the Central/State Government from time to time.
2. Candidates satisfying the eligibility criteria mentioned above shall be notified over email to appear for the Ph.D. entrance test / interview conducted at DES Pune University, Pune.
3. PhD entrance test shall be qualifying with qualifying marks as 50% provided that relaxation from 50% to 45% shall be allowed for the candidates belonging to SC/ST/OBC (Non creamy layer)/Differently abled category, Economically Weaker section (EWS) and other category of candidates. The syllabus of the entrance test shall consist of 20% of research methodology, 20% Quantitative Aptitude and 60% shall be subject specific.
4. The interview/viva-voce will be conducted by the university for the candidates who qualify the test. For selection of candidates, a weightage of 70% to the entrance test and 30% to the performance in the interview/Viva-voce shall be given. For GATE/NET/JRF /SET/GPAT/CEED qualified students, the selection will be based on Interview/Viva Voce.

### Details of the Entrance Test and Interview

Entrance Test	
Date of Entrance Test	Dec 24, 2023
Reporting Time	9.00 AM
Venue	DES Pune University Campus, Pune
<b>Interviews</b> (Will be held on the same day for students who qualify the test)	
PhD in Computer Science and Engineering	Dec 24, 2023
PhD in Economics	
PhD in Computer Science and Life Sciences	
Interviews for other specializations	Dec 27, 2023

## Syllabus for the Entrance Test and Interview

<b>Common section for all candidates</b>	Research Methodology: Data Analysis, Intellectual Property, Creativity in Research, Overview of Research, Literature Survey and Technical Writing and Presentation, Design of Experiments, Modelling Skills, Theoretical Research
<b>PhD in Computer Science and Engineering</b>	Computer Networks, Theory of Computation, Artificial Intelligence, Machine Learning, Design and Analysis of Algorithms, Data Structures, Discrete Mathematics, Software Engineering, Probability
<b>PhD in Electronics and Telecommunication</b>	Digital Electronics, VLSI
<b>PhD in Economics</b>	Basics of Economics, Development Economics and Microeconomics
<b>PhD in Psychology</b>	Basics of Psychology, Personality, Motivation and Emotion, Clinical Psychology, Industrial/ Organizational Psychology, Applied Psychology, Cognitive Psychology, Indian Psychology
<b>PhD in Computer Science</b>	Data Structures and algorithms, Operating system, Database systems, Computer Organization and architecture, Software Engineering, Computer Networks, Programming basics, Artificial Intelligence and Machine Learning.
<b>PhD in Life Sciences</b>	Environmental Sciences, Animal Sciences, Plant Sciences, Microbiology Genetics, Biochemistry, Cell Biology, Molecular Biology, Analytical Techniques.

The recommended candidates will be intimated through email about their selection and the candidates will be offered Ph.D. **provisional** admission.

The eligibility of a candidate is provisional as per information provided by the candidate in his/her application form and is subject to verification of minimum eligibility conditions for admission to the program, educational documents and reservation documents (if any).

University keeps rights to cancel admission of the Ph.D. scholars in the case of misconduct by the scholar, unsatisfactory progress/absent for consecutive two progress seminars, failure in any examination related to Ph.D., fabrication found in educational and reservation documents, candidate is found ineligible, involved in plagiarism in paper publications and thesis.

Provisional eligibility to appear in the selection process is no guarantee for admission to the program.

PhD admission will be confirmed after successful completion of the course work as per UGC norms.

## Fee Structure

Fee type	Indian nationals (INR)	International Students (INR)
Entrance exam application (One Time)	1500	2250
Course Work (One Time)	15000	22500
Tuition fee (Per Year)	60000	90000
Final Defense Fee (One Time)	8000	12000

## Duration

PhD (After PG)	Maximum five years from the date of registration
Direct PhD (Directly After UG)	Maximum six years from the date of registration

## Admission Timeline / Important Dates

Online application opens on the website	Dec 11, 2023
Online application closes	Dec 20, 2023
Notification to shortlisted candidates for test / interview	Dec 22, 2023
Entrance Test and Interview	Dec 24 and 27, 2023
Notification to candidates for provisional admission	Jan 1, 2024
Admission and fee payment	Jan 1, 2024--Jan 10, 2024
Verification of documentation and Eligibility and confirmation of admission	Jan 22, 2024
Reporting and Registration	Jan 23, 2024



**Dr. Lalit Kulkarni**  
Dean, RDIC  
DES Pune University, Pune



**Dr. Prasad Khandekar**  
Vice Chancellor  
DES Pune University, Pune