



DECCAN EDUCATION SOCIETY - Since 1884

**DES PUNE  
UNIVERSITY**

## PhD Admissions Notification

As per University Grants Commission (Minimum Standards and Procedures for Award of Ph.D. Degree)

Regulations, 2022, [No. F. No. 1-3/2021(QIP)]

August 2024

### 1. Eligibility Criteria

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

1.1. 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/DT-A/NT-B/NT-C/NT-D, \*SEBC & OBC (Non creamy layer)/Differently abled category, Economically Weaker section (EWS) and other category of candidates as per the decision of the UGC 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.

1.2. 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/DT-A/NT-B/NT-C/NT-D, \*SEBC & OBC (Non creamy

layer)/Differently abled category, Economically Weaker section (EWS) and other category of candidates as per the decision of the UGC from time to time.

*\*SEBC Reservation is subject to the final outcome at Writ Petition No. 3468/2024 filed in Hon'ble Mumbai High Court.* 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.

## **2. Procedure for Admission**

- 2.1. 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.
- 2.2. 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.
- 2.3. 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/DT-A/NT-B/NT-C/NT-D, \*SEBC & OBC (Non creamy layer)/Differently abled category, Economically Weaker section (EWS) and other category of candidates as per the decision of the UGC from time to time.

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- 2.4. The syllabus of the entrance test shall consist of 20% of research methodology, 20% Quantitative Aptitude and 60% shall be subject specific.
- 2.5. 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.

- 2.6. The recommended candidates will be intimated through email about their selection and the candidates will be offered Ph.D. provisional admission.
- 2.7. 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).
- 2.8. 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.
- 2.9. 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.

### 3. Details of the Entrance Test and Interview

<b>Entrance Test</b>	
<b>Date of Entrance Test</b>	Aug 31, 2024
<b>Reporting Time</b>	9.00 AM
<b>Venue</b>	Mukunddas Lohia Academic Complex DES Pune University Campus, Pune
<b>Interviews</b> (Will be held on the same day for students who qualify the test)	

#### 4. Research Areas and Vacancies

PhD Subject Specialization	Research Areas	Vacancies	
		Open	Category
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>	6	6
Electronics and Communication Engineering	<ul style="list-style-type: none"> <li>VLSI</li> <li>Stochastic Computing</li> </ul>	7	6
Economics	<ul style="list-style-type: none"> <li>Development Economics</li> <li>Microeconomics</li> </ul>	1	2
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>	0	2
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	6
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>	6	11
Marketing Management	<ul style="list-style-type: none"> <li>Marketing Management</li> </ul>	3	3
Media and Communication	<ul style="list-style-type: none"> <li>Media and Communication</li> </ul>	3	3
Humanities and Social Sciences	<ul style="list-style-type: none"> <li>Veda</li> <li>Vedanta</li> <li>Philosophy</li> </ul>	2	2

## 5. Syllabus for the PhD Entrance Test and Interview

Common section for all candidates	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
Computer Science and Engineering	Computer Networks, Theory of Computation, Artificial Intelligence, Machine Learning, Design and Analysis of Algorithms, Data Structures, Discrete Mathematics, Software Engineering, Probability
Electronics and Communication Engineering	Digital Electronics, VLSI
Economics	Basics of Economics, Development Economics and Microeconomics
Psychology	Basics of Psychology, Personality, Motivation and Emotion, Clinical Psychology, Industrial/ Organizational Psychology, Applied Psychology, Cognitive Psychology, Indian Psychology
Computer Science	Data Structures and algorithms, Operating system, Database systems, Computer Organization and architecture, Software Engineering, Computer Networks, Programming basics, Artificial Intelligence and Machine Learning.
Life Sciences	Environmental Sciences, Animal Sciences, Plant Sciences, Microbiology Genetics, Biochemistry, Cell Biology, Molecular Biology, Analytical Techniques.
Marketing Management	Marketing mix (4Ps and 7Ps), Consumer decision-making process. Factors influencing consumer behavior. Market segmentation, targeting, and positioning. Customer loyalty and retention. E-commerce and Omnichannel Marketing, Relationship marketing in B2B. Digital media marketing. Theories of motivation and personality. Brand architecture and portfolio management.
Media and Communication	History of Communication, Elements of Communication; Types of Communication, Principle and Barriers to Communication; Concept of Journalism and mass communication, mass communication in India, history, growth and development of print and electronic media; Models and theories of mass communication, media and culture, new media; Indian cinema, Film genres, Indian aesthetics and poetics, Bharat Natyashastra, World Cinema, New Wave cinema, Indian New Wave cinema, Media appreciation, Concept of media law and ethics in India and rest of the world.
Humanities and Social Sciences	Fundamental Understanding of IKS; Oral Tradition of India; Caturdaśa Vidyāsthānam; Indian Performative and Intellectual Traditions; Various Research Activities in IKS. <b>Sanskrit:</b> Fundamental Understanding of Upāya Śāstra (Vyākaraṇa, Nyāya and Mīmāṃsā) and Sanskrit Literature. <b>Vedic Literature:</b> Ṛgbhāṣyabhūmikā of Sāyaṇa, Fundamentals of Six Vedāṅgas, Western approaches to the Vedas. <b>Vedanta Philosophy:</b> Fundamentals of Indian Philosophy, Fundamental Understanding of Upāya Śāstra (Vyākaraṇa, Nyāya and Mīmāṃsā) and Sanskrit Literature

## 6. 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

## 7. 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

## 8. Admission Timeline / Important Dates

Online application Opens and Closes on	Aug 9 <sup>th</sup> , 2024 - Aug 25 <sup>th</sup> , 2024
Notification to shortlisted candidates for test / interview	Aug 25 <sup>th</sup> , 2024
Entrance Test and Interview	Aug 31 <sup>st</sup> , 2024
Notification to candidates for provisional admission	Sept 2 <sup>nd</sup> , 2024
Admission and fee payment	Sept 3 <sup>rd</sup> , 2024 - Sept 10 <sup>th</sup> , 2024
Verification of documentation and Eligibility and confirmation of admission	Sept 12 <sup>th</sup> , 2024
Reporting and Registration	Sept 16 <sup>th</sup> , 2024



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