

Ph.D. Programme Guidelines

Doctor of Philosophy Programme (Ph.D.)



PPSU

P P SAVANI UNIVERSITY

Effective From: Academic Year 2017-18

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1. Preamble

P P Savani University shall award the degree of Doctor of Philosophy (Ph.D.) to the candidate who successfully accomplishes the Research Program in the respective field at the University. These guidelines have been framed in accordance with the UGC (Minimum Standards and Procedure for Awards of Ph.D. Degree) Regulation, 2016 and subject to vary time to time based on UGC guidelines.

2. Launch of the Program

The program is launched in Academic Year 2018 in the fields of Engineering, Sciences, Management, Physiotherapy and Nursing. Further programs will be added based on the launch of new courses/programs/schools at the University.

3. Important Terminology

- Candidate/Scholar: Any person who satisfies the prescribed eligibility criteria and who gets registered for the Ph.D. Degree Program.
- Research Supervisor: The recognized person, who supervises the Ph.D. work of a candidate.
- Coursework: The compulsory study to be undertaken by the candidate during the course of Ph.D.
- Degree: The degree of Doctor of Philosophy (Ph.D.).
- Inter-disciplinary Research: Research that draws from two or more disciplines/faculty in order to gain a well-developed perspective or dimension to the study.
- Research Advisory Committee (RAC): The Committee constituted by the University with approval of Provost for monitoring the progress of the research work of the candidate registered under any discipline.
- University: P P Savani University.

4. Eligibility for Admission

Candidate, seeking admission in Ph. D, must have a Master's degree in the relevant field with at least 55% marks in aggregate or its equivalent grade from a university recognized by UGC, New Delhi. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/differently-abled and other categories of candidates as per the decision of the Commission from time to time.

5. Admission Process

- The admission for Ph.D. programme will be done twice a year i.e. in January and July of every year.
- The candidate must apply for the admission in the prescribed format. The same is made available on the University Website. Refer www.ppsu.ac.in.
- The admission shall be done through Ph.D. Entrance Test.
- The Entrance Test consist of:
 - Written Test (50 Marks);
 1. Domain Specific 25 Question & Research Competency 25 Questions
 2. For Research Competency Syllabus **Refer Annexure 1.**
 3. Each Question will carry One Mark, No Negative Marking.
 - Research Proposal Presentation & Interactions (50 Marks)
- The candidate who has qualified with NET (JRF)/ SLET / M Phil in the respective field shall be exempted from the Written Test. However, it does not guarantee the direct admission for Ph.D. Final admission shall be done based on Research Proposal Presentation & Interaction.
- Candidate willing to register for Ph. D. Programme should fill up application form available on website and submit the dully filled hard copy to mentioned address with all supporting documents & Demand Draft on/before last date as mentioned in the advertisement.
- The candidate must submit a copy of Research Proposal & Presentation on/before the day of Ph.D. Entrance Test.

6. Category of Admission

Research Scholar will be admitted to Ph. D. Program under following categories:

- **Full Time:** A Candidate willing to pursue Ph. D. in full time category will carry out the research activity within the campus under the supervision of respective Research Supervisor on full time basis. Attendance record of such research scholars will be maintained at the Institute Level. A full time Research Scholar can complete the research work in minimum **03 years** and in maximum **06 years**.
- **Part Time:** The candidates who are professionally employed may be admitted as Part Time Research Scholars. These candidates may meet supervisor regularly at the University for guidance for their research work. The applicant must be a regular employee of a recognized R&D organization, national institute, academic institution, government organization or industry at the time of admission and be engaged in professional work in the discipline in

which admission is sought. Part time research scholar can complete the research work in minimum **04 years** and maximum **08 years**.

- The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation two years for Ph.D. in the maximum duration. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of Ph.D. for up to 240 days.
- The Full Time Research Scholar will be eligible for Stipend if registered under Research Project of Supervisor.
- In case of vacancy available at the department/institute, Research Scholar will be offered Teaching Assistantship with an Academic Assignment of 12 hours/week for the relevant course/subject/field for which he/she shall be eligible for the stipend based on University Guidelines time to time.

7. Fee Structure (Applicable from July-2021 Batch onwards.)

Sr. No.	Admission In	Application Form & Entrance Test Fee	Enrollment Fee (One Time)	Tuition Fee
1.	Engineering (CE/IT)	3000	10000	30000
2.	Engineering (All Other Branches)	3000	10000	40000
2.	Science	3000	10000	40000
3.	Nursing	3000	10000	30000
4.	Physiotherapy	3000	10000	30000
5.	Liberal Arts & Management	3000	10000	30000
Semester Evaluation Fees (Till Synopsis Approval)				4250
Thesis Evaluation & Viva Voce Fees (To be paid along with Thesis Submission)				15000

(Above Fee Structure may change based on University Guidelines)

8. Allocation of Supervisor

After the confirmation of the admission based on Entrance Test Results, the candidate shall be allotted to the Research Supervisor as per the availability and expertise in the same field at the University. No External Research Supervisor shall be provided. However, in case of Interdisciplinary research, the candidate may be given an expert as a co-supervisor by the University. In case the Supervisor leaves the University during the ongoing research of a Candidate, the supervisor may continue guiding the candidate (As Co-Supervisor) if he/she is willing to continue for the same, subject to approval from University.

9. Course Work

The candidate should undertake following Course Work of 16 credits offered by the University within one year of enrollment as PhD scholar. *The candidates, who have completed their M. Phil, shall be exempted from the Course Work.*

No.	Course	Credit	Remarks
1.	Research Methodology	04	To be conducted at University Level
2.	Academic Writing	04	To be conducted at University Level
3.	Core Course I	04	To be conducted/recommended by Supervisor
4.	Core Course II / Seminar	04	To be conducted/recommended by Supervisor

Upon completion of above mentioned courses, a certificate will be issued stating completion of coursework from University Exam Cell.

10. Progress of Research Work

- To undertake quality research work, research scholar must report to the supervisor on regular basis and work in close coordination & guidance of the supervisor.
- It is mandatory to report to supervisor in person/electronically based on guidelines of the supervisor.
- The Research Supervisors will monitor the progress of Research Scholars assigned to the them.
- Noncompliance to research requirements may lead to cancellation of admission if reported by research supervisor.
- Progress of Research Work will be reported to Research Advisory Committee for evaluation.

11. Contact Details:

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P P Savani University

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ANNEXURE 1

DOCTOR OF PHILOSOPHY (Ph.D.) PROGRAMME**Ph.D. Entrance Test
Syllabus for Research Competency**

Questions for Ph.D. Entrance Test will be from (but not restricted to) the Research Topics mentioned below:

- **Foundation of research:** *Aims and objectives of research, Types of research – basic, novel and applied research, Research methods vs Methodology - Meaning, aims, nature and scope of research Prerequisites of research Types of research - Descriptive vs. Analytical, Applied vs. Fundamental, Quantitative vs. Qualitative, Conceptual vs. Empirical.*
- **Research Problem and its design:** *Significance of research problem, Sources & characteristics of a research problem, selecting the problem, Techniques involved for a good research problem, Meaning and types of research design.*
- **Data collection:** *Methods of Data Collection- Observation, Interview, Questionnaires, Schedules, Survey and Experimental. Selection of Appropriate Method for Data Collection.*
- **Data analysis:** *Variables, Numerical, Categorical, Central measures (mean median and mode), Dispersion measures (range, standard deviation), Probability co-relation and regression, Binomial position and normal distribution, parametric and non-parametric, Basic Statistical Methods of Data Analysis such as Frequency distribution, chi-square test.*
- **Research writing & ethics:** *Synopsis, Article/Research Paper, Book-Review, Case Review, Criteria of Good Research, Environmental impacts and Ethical issues, Plagiarism, Citation, Referencing style and acknowledgement.*
- **Information and communication technology (ICT)/General knowledge:** *Need of ICT in research, Word Processing, Excel, Power Point, Basics of internet and e-mailing, current political, economic, social, cultural and legal affairs in India.*

Reference Books:

1. *Garg, B.L., Karadia, R., Agarwal, F. and Agarwal, U.K. Reprint 2019 edition. An Introduction to Research Methodology, RBSA Publishers, New Delhi.*
2. *Kothari, C.R. 2018 (4th edition). Research Methodology: Methods and Techniques. New Age International, New Delhi, 418p.*
3. *Sinha, S.C. and Dhiman, A.K., 2002. Research Methodology (set Of Two Vol.) (vol. I), Ess Ess Publications.*
4. *John W. Creswell and J. David Creswell, 2018 (5th edition). Research Design: Qualitative, Quantitative and Mixed methods approaches, SAGE Publications, Inc.*
5. *Trochim, William M.K., 2005. Research Methods: The Concise Knowledge Base, Atomic Dog Publishing, New Delhi, 270p.*
6. *Montgomery D.C., 2001 (5th edition). Design and Analysis of Experiments, John Wiley and Sons, New York, 684p.*
7. *Gupta, S.P., 2021 (46th edition). Statistical Methods. Sultan Chand and Sons, New Delhi.*
8. *Wadehra, B.L. 2004. Law Relating to Patents, Trade-marks, Copyright, Designs and Geographical indications. Universal Law Publishing Co Ltd., New Delhi*
9. *Leedy, P.D. and Ormrod, J.E., 2010 (9th edition) Practical Research: Planning and Design, Prentice Hall, Upper Saddle River, N.J..*

Sample Questions for the Ph.D. Entrance Test

- Q1.** *A good piece of research is the product of*
- (a) A good research library*
 - (b) Collective scholarship*
 - (c) A penetrating and analytical mind*
 - (d) A touch of genius*
- Q2.** *Which of the following skills/qualities is most important for a researcher?*
- (a) Desire to discover the truth*
 - (b) Communication skills*
 - (c) Ability to gather data*
 - (d) Ability to work hard*
- Q3.** *Research can be conducted by a person who:*
- (a) Has studied research methodology*
 - (b) Holds a phd degree*
 - (c) Possesses thinking and reasoning ability*
 - (d) has attain a requisite age*
- Q4.** *Which of the following gives the measure of consistency of data ?*
- (a) Mean*
 - (b) Standard deviation*
 - (c) Mode*
 - (d) Median*
- Q5.** *Which of the following is database of online journals ?*
- (a) Scopus*
 - (b) Medical*
 - (c) Engineering*
 - (d) Science*
- Q6.** *What is Plagiarism ?*
- (a) Air borne disease*
 - (b) Practice of showing someone's work as own without proper consent*
 - (c) A magazine*
 - (d) Holy place*

Q7. Which of the following is not a “Graphic representation” ?

- (a) Pie Chart
- (b) Bar Chart
- (c) Table
- (d) Histogram

Q8. Which of the following tools is best for calculation with the help of formulae ?

- (a) Excel
- (b) Power point presentation
- (c) Word
- (d) Notepad

Q9. Census of India is a _____

- (a) Syndicate data source
- (b) Internal data source
- (c) Government data source
- (d) Non-government data source

Q10. Film and TV institute of India is located in _____

- (a) Vadodara, Gujarat
- (b) Pune, Maharashtra
- (c) Kolkata, West Bengal
- (d) Panjim, Goa