



CENTRE FOR RESEARCH DHANALAKSHMI SRINIVASAN UNIVERSITY

Samayapuram, Tiruchirappalli – 621 112.

Ph.D. January 2024 Admission

Discipline Wise Vacancy List:

Sl. No.	Department / Discipline	No. of Vacancies
MEDICINE		
1.	Anatomy	3
2.	Physiology	7
ENGINEERING		
2.	CSE	10
3.	ECE	26
4.	EEE	6
5.	Mechanical Engineering	13
AGRICULTURAL SCIENCES		
1.	Agricultural Nanotechnology	5
2.	Agronomy	3
3.	Agribusiness Management / Agricultural Economics	4
4.	Agricultural Extension	3
5.	Horticulture	4
6.	Biotechnology	4
PHARMACEUTICAL SCIENCES		
1.	Pharmacognosy	5
2.	Pharmaceutics	2
SCIENCE & HUMANITIES		
1.	Mathematics	13
2.	Physics	4
3.	Chemistry	15
4.	Biochemistry	4
5.	Management	9
INTERDISCIPLINARY RESEARCH		
1.	Nanoscience and Nanotechnology	4
2.	Biomedical Sciences	2

ELIGIBILITY CRITERIA

1. Admission Requirement

A candidate with Master's Degree with not less than 55% marks or equivalent grade in the qualifying degree. 5% or equivalent relaxation may be permitted for the candidates belonging to SC/ST/OBC/differentially-abled/Economically Weaker Section (EWS).

2. Discipline wise eligibility

Sl. No.	Discipline	Eligibility
1.	A. Medicine-MBBS	MBBS with 50 % of marks can register for Ph.D., programme provided that the following criteria is met by the candidate. <ul style="list-style-type: none"> - Minimum of 2 years of work experience in a research department/Institution recognized by this University or NMC recognised institution. - Minimum of 1 article publication in their field of research in peer reviewed indexed journal. - Duration of the program is 4 years under full-time Ph.D., registration. No part time Ph.D., is permitted. - The candidate must have attended a Research Methodology Course conducted at any of the NMC recognized institutions.
	B. Postgraduate Medical Diploma	D.CH. D.O., D.Ortho. D.L.O., D.G.O., etc. or one year PG Diploma with research methodology as a component with 1 year experience.
	C. Post Graduate degree in Medicine / Surgery/Non-clinical Specialties	MD., MS. and equivalent.
	D. Medical Higher Specialties	DM. M. Ch and equivalent.
2.	Post graduation in Nursing, Paramedical courses and Allied Health Sciences	M. Pharm, M.Sc. Nursing. M. Sc in relevant allied health sciences etc.
3.	Bio-Medical Sciences	M.Sc./M.Tech. 2 years or 5 years integrated (Biotechnology, Biochemistry, Nutrition & Dietetics., Biostatistics, Medical Sociology, Bio-medical Engineering, etc) and related bio-medical, medical subjects.
4.	M.Sc. (Faculty of Science)	2 yr M.Sc. in Anatomy, Physiology, Biochemistry, Microbiology, Agricultural Sciences and related subjects.
5.	M.Sc. (Medical)	2 or 3yr M.Sc. in Medical Anatomy, Medical Physiology, Medical Pharmacology, Medical Biochemistry and Medical Microbiology and related subjects.
9.	M. E (Faculty of Engineering)	M. E / M.S / M. Tech in relevant engineering field and equivalent.
10.	Post Graduate degree in Law	2 year PG degree in Law
11.	M. Pharm	2 year PG program in pharmaceutical sciences.
10	Interdisciplinary Studies	2 year PG degree in the relevant disciplines concerned
11	Master of Philosophy in any discipline	M. Phil in relevant disciplines concerned with relevant PG degree

3. Qualifying the **Pre-registration Ph.D. Program Eligibility Entrance Examination** (Exemption to candidates under category 4. only)

4. **NET/SET/GATE/CEED** or similar National entrance exam qualified candidates or **JRF/SRF/Project Fellows** (Under sponsored research projects) shall be **exempted** from clearing the Pre-Registration Ph.D. Entrance Examination and they shall be eligible to appear for interview and register for Ph.D. Program.

5. **UG students** (B.E/B.Tech or equivalent) **with 75% marks** or 7.5 CGPA (on a 10-point scale) will also be eligible to register for full-time direct PhD Program. A relaxation of 5% or 0.5 score or equivalent may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-abled/ Economically Weaker Section (EWS).

DURATION

Sl. No.	Ph.D. Type	Duration (including course work)	
		Minimum	Maximum
1.	Full Time	3 years	6 years
2.	Part Time	4 years	6 years

A maximum of additional two (2) years can be given through a process of re-registration. Total period for completion of a Ph.D. programme should not exceed eight (8) years from the date of provisional Ph.D. registration order.

The women candidates and differently-abled candidates (more than 40% Disability) shall be allowed a further relaxation of 2 years in the maximum duration for Ph.D (maximum period should not exceed 10 years).

In addition, women candidates may be provided Maternity Leave/Child Care Leave for up to 240 days once in the entire duration of Ph.D. research.

ADMISSION PROCEDURE

- a) Advertisement for the Ph.D. admission subject to the available seats (accounting on scholar-to-supervisor ratio) per specialization will be posted on the University webpage and on the newspaper/social media twice a year.
- b) The candidates shall submit the online application on prescribed deadlines.
- c) The applications received will be scrutinized and eligible candidates will be called for Ph.D. pre-registration eligibility entrance exam.

Exam Pattern:

Pre-registration eligibility entrance examination for Ph.D. Program

Time: 3 hr

Sl. No.	Tests	No. of MCQs	Marks
1	Test of Research Methodology	50	50
2	Test of Relevant Subject Knowledge	50	50
Total		100	100

Research Methodology syllabus for Ph.D. entrance exam is attached in annexure A.

- **NET/SET/GATE/CEED** or similar National entrance exam qualified candidates or **JRF/SRF/Project Fellows** (Under sponsored research projects) shall be **exempted** from clearing the Pre-Registration Ph.D. Entrance Examination and they shall be eligible to appear for interview and register for Ph.D. Program.
 - Candidates who have scored 50 % marks in the entrance exam are eligible to be called for the interview. 5 % mark relaxation will be given in the entrance exam for the candidates belonging to SC/ST/OBC/differently-abled category, Economically Weaker Section (EWS) and other categories of candidates as per the amendments of the DSU regulation from time to time.
 - Number of candidates called for an interview will be based on the seats available in the specific discipline.
- d) Followed by the entrance test, interview will be conducted by the University wherein the doctoral candidates are expected to discuss their research interest/area before the Selection Committee. Weightage split-up for marks scored in entrance exam and interview round will be 70 and 30 %, respectively.

Based on the discipline of the shortlisted candidates, Deans of the respective school will nominate 3-5 faculty members who are recognized as supervisors for the Ph.D. interview selection committee.

The Ph.D. interview selection committee will consider the following aspects whether

- i) The candidate possesses the competence for the proposed research work;
- ii) The research work can be undertaken at the Institution
- iii) The proposed area of research can contribute to new/additional knowledge

Candidates will be selected and meritorious full-time candidates will be offered with DSU Doctoral fellowship based on their overall performance and as recommended by selection committee, and final approval by Dean – Research.

- e) Research scholars are encouraged to identify their prospective research supervisor from the list of recognized supervisors on the University webpage. Research scholars have the freedom to identify their supervisors.

FEES STRUCTURE

Program	Caution Deposit Fee (One Time)	Tuition Fee (Per Annum)	Online Application Fee (One Time)
Ph.D Full Time	Rs. 5,000	Rs. 40,000	Rs. 1,000
Ph.D Part Time (Internal)	Rs. 5,000	Rs. 30,000	Rs. 1,000
Ph.D Part Time (External)	Rs. 5,000	Rs. 40,000	Rs. 1,000

ANNEXURE – A

SYLLABUS OF RESEARCH METHODOLOGY for Ph.D. Entrance Exam

1. Meaning of research; objectives of research; basic steps of research; criteria of good research; types of research.
2. Meaning of research problem; selection of research problem.
3. Review of related literature- Meaning, necessity and sources.
4. Hypothesis- Meaning, function and types of hypothesis; Null/Alternative hypothesis
5. Variables- Meaning and types.
6. Research design: Types of research design- exploratory, descriptive, diagnostic and experimental.
7. Sampling- Meaning and types of sampling; Probability and Non-Probability.
8. Tools and techniques of data collection- questionnaire, schedule, interview, observation, case study, survey etc.
9. Statistics and its significance in research.
10. Research reports: Writing preliminaries, main body of research, references and bibliography; Meaning and importance of workshop, seminar, conference, symposium etc. in research.
11. Plagiarism- Concept and significance of plagiarism.

Reference

Kothari, C. R. and G. Garg (2019), Research Methodology: Methods and Techniques, Fourth MultiColour Edition, New Age International Publishers.