



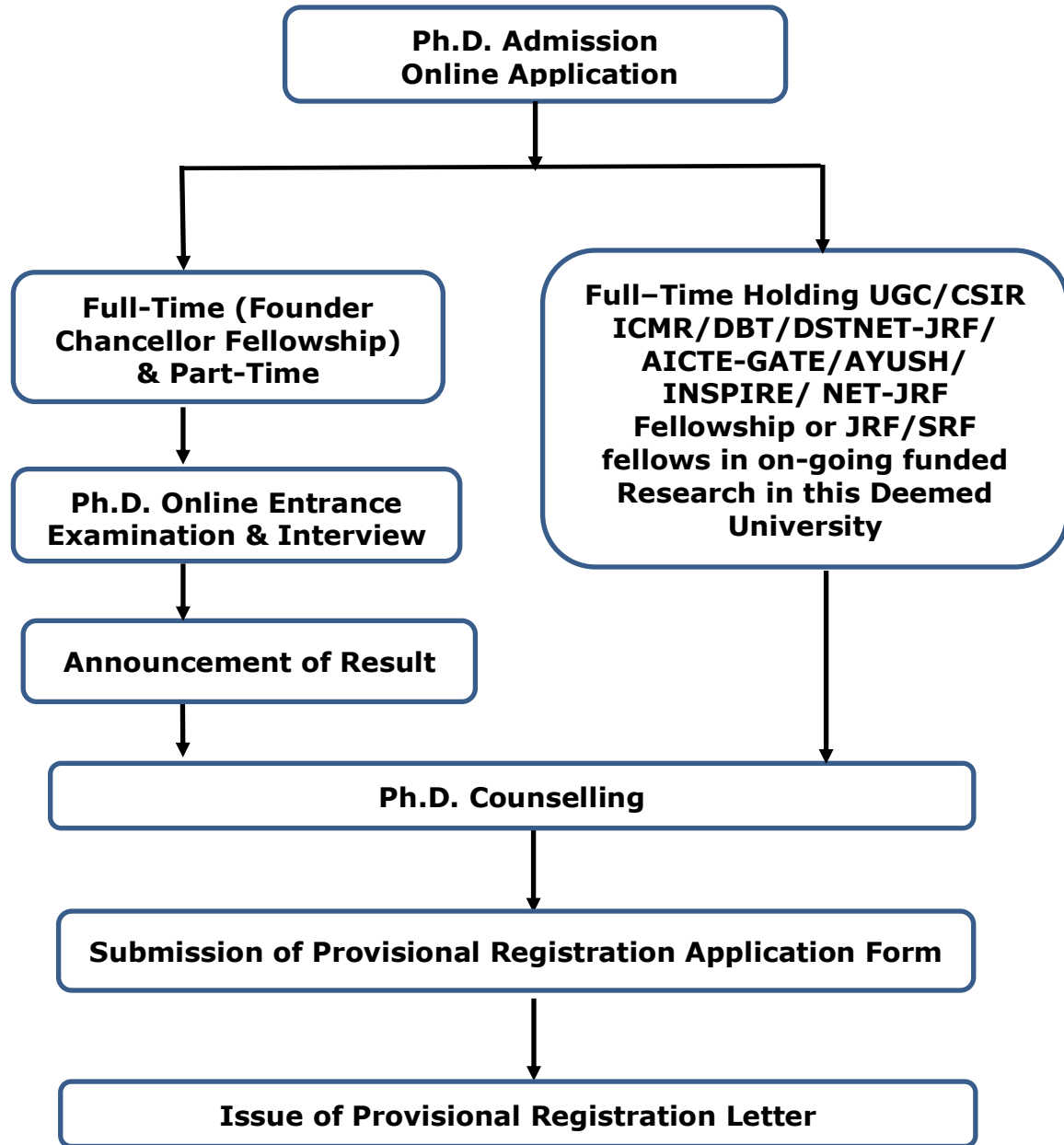
**SRI RAMACHANDRA**

**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**

(Category - I Deemed to be University) Porur, Chennai

**ADMISSION PROCESS, TIMELINE AND PROSPECTUS FOR  
Ph.D. PROGRAM APRIL, 2022 SESSION**

## ADMISSION PROCESS AND TIMELINE FOR Ph.D. PROGRAM APRIL, 2022 SESSION



TIMELINE	
Issue of Advertisement	10.01.2022
Submission of Online Application	02.02.2022 (Wednesday)
Entrance Examination	22.02.2022 (Tuesday)
Interview	22.02.2022 (Tuesday A.N. & 23.02.2022 (Wednesday)
Announcement of Ph.D. Result	02.03.2022 (Wednesday)
Ph.D. Counselling	07.03.2022 (Monday) - To be confirmed
Submission of Provisional Application Form	19.03.2022 (Saturday) - To be confirmed
Issue of Provisional Registration Letter	30.03.2022 (Wednesday) - To be confirmed



### **PROSPECTUS FOR ADMISSION TO Ph.D. PROGRAM APRIL, 2022 SESSION)**

**Applications are invited from eligible candidates for admission to Ph.D. program offered by this Deemed University:-**

#### **1. Categories of Ph.D. Program**

- a) Full time (Stipendiary/Fellowship holders);
- b) Part Time: Internal;
- c) Part Time: External; and
- d) Part Time: Internal Independent

#### **2. Eligibility Criteria**

Candidates applying for admission to Ph.D. program should have qualified with at least 55% marks in aggregate or its equivalent grade "B" in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) in PG course.

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Eligibility Criteria</b>
1.	a) Faculty of Medicine  b) Faculty of Dentistry	A candidate who has passed D.M./M.Ch./M.D./M.S./PG Diploma in the Faculty of Medicine/Diplomat in National Board (DNB) Degree in the subject concerned with at least 55% marks in aggregate.  A candidate who has passed Master's Degree in Dental Surgery (MDS) Degree examination in different branches/specialities with at least 55% marks in aggregate
2.	Non-Medical Disciplines  a) Faculty of Medicine; b) Faculty of Pharmacy; c) Faculty of Nursing; d) Faculty of Physiotherapy; e) Faculty of Allied Health Sciences; f) Faculty of Biomedical Sciences & Technology; g) Faculty of Management Sciences; h) Faculty of Public Health; i) Faculty of Clinical Research; and j) Faculty of Sports & Exercise Sciences.	A candidate who has passed Master of Science in the Faculty of Medicine (M.Sc.- Non-medical 3 years course)/ Pharmacy/Nursing/Physiotherapy/Allied Health Sciences/ Biomedical Sciences & Technology/Management Sciences/ Public Health/Clinical Research/Sports & Exercise Sciences with at least 55% marks in aggregate or its equivalent grade "B" in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) in PG course.

3.	Faculty of Engineering & Technology	<p>A candidate who has passed</p> <p>a) Master's degree in (M.Tech. /M.E.) in Technology, Engineering, Computer Science, Information Technology, Engineering Management or Technology Management</p> <p>b) Master's degree in (M.Sc. /MCA/M.S.) in Physical and Biological Sciences, Computers, Computer Applications, Engineering, Technology, Engineering Management or Technology Management</p> <p>with at least 55% marks in aggregate or its equivalent grade "B" in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) in PG course.</p>
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Further relaxation of 5% marks i.e. from 55% to 50% or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/ persons with disability (more than 40%)

b) Part – Time Internal Candidates – for additional information regarding eligibility please refer Clause No. 2.4 in the Ph.D. Regulations, 2020 (link given below)

c) Part – Time External Candidates – for additional information regarding eligibility please refer Clause No. 2.6 in the Ph.D. Regulations, 2020 (link given below)

d) Part Time: Internal Independent – for additional information regarding eligibility please refer Clause No. 2.5 in the Ph.D. Regulations, 2020 (link given below)

<https://www.sriramachandra.edu.in/university/pdf/admission/phd-regulations-2020>

### 3. Duration of the Ph.D. Program

Sl. No.	Category	Duration
1.	Full – Time Candidates (Except degrees mentioned in Sl.No.2)	<b>3 years</b>
2.	Full – Time Candidates with a) MD/ MS/ DNB/ MDS/ DM/ M.Ch. qualifications b) M.Tech./M.E in Technology, Engineering, Computer Science, Information Technology, Engineering Management or Technology Management	<b>2 years</b>
3.	Part Time Candidates (Except degrees mentioned in Sl.No.4)	<b>4 years</b>
4.	Part-Time Candidates with a) MD/ MS/ DNB/ MDS /DM/ M.Ch. Qualifications b) M.E./M.Tech. in various disciplines of Engineering & Technology	<b>3 years</b>

#### 4. Fees Structure

Sl. No.	Particulars	Fees in Rs.
1.	Online Application Fee	2000/-
2.	Provisional Admission Application Fee	5000/-
3.	Provisional Admission Registration Fee	25000/-
4.	Annual Fee for a) Full Time Candidates b) Part-Time Candidates	25000/- 50,000/-

#### **Procedure for Admission**

**a)** Candidates desiring to register for the Ph.D. Program (Full-Time and Part-Time) should, in the first instance submit an application online along with the prescribed fee of Rs.2000/-.

#### **b) Admission through Online Entrance Examination (Written Test and Interview):-**

Candidates wishing to apply for admission to Ph.D. program under Full Time (seeking Founder- Chancellor Shri N.P.V. Ramasamy Udayar Fellowships) and Part Time (internal and external) categories will have to qualify through online entrance examination.

Performance of the candidate will be calculated on the marks obtained in a written test (70% weightage) and interview (30% weightage). Interview will be conducted online for each candidate after the entrance exam. The exact date and time will be intimated later.

The qualifying marks for provisional admission to Ph.D. program are 50% in the online entrance examination (i.e. aggregate of marks obtained in written test and interview taken together). However, a relaxation of 5% of marks (from 50% to 45%) shall be allowed for the candidates belonging to SC/ST/OBC (Non-Creamy layers) / Differently-abled category in the entrance examination.

#### **c) Admission through Online Counseling:-**

Candidates with UGC/CSIR/ICMR/DBT/DST/NET-JRF/AICTE-GATE/AYUSH/INSPIRE Fellowship or JRF/SRF fellows in funded research projects of this Deemed University will be called directly for counseling and admission. They should submit an application and meet eligibility criteria prescribed in Sl.No.2 above.

**Syllabus and Pattern of Online Entrance Examination:  
(for all faculties except Sri Ramachandra Faculty of Engineering and Technology)**

- a) Syllabus for Online Entrance Examination is available in the Ph.D. Regulation, 2020  
<https://www.sriramachandra.edu.in/university/pdf/admission/phd-regulations-2020>
- b) The duration of the examination will be 2 (two) hours.
- c) The Entrance Examination will be conducted in ENGLISH only. The question booklet will consist of 120 multiple choice questions (MCQ's) (single best response).
- d) The written test will have two sections, Section A & B.
  - a. Section-A Research Methodology: Common to all disciplines will have 60 questions (answer all questions)
  - b. Section-B Discipline Specific: Candidates will attempt questions from one of the following disciplines:- Medicine/Dentistry/Pharmacy/Nursing/ Physiotherapy/ Biomedical Sciences/Management/Allied Health Sciences/ Public Health/Sports & Exercise Sciences/Clinical Research. The candidates will indicate the selected faculty/discipline in the application form.  
  
The Section-B will have 75 questions and the candidate may attempt any 60 questions. The first 60 questions attempted will be considered for evaluation.
- e) All questions carry equal marks. There will be no negative mark for incorrect answers.
- f) Results will be published in Sri Ramachandra Deemed University Website  
[www.sriramachandra.edu.in](http://www.sriramachandra.edu.in)

**Procedure for Admission to Ph.D. Program under Sri Ramachandra Faculty of Engineering and Technology:-**

The admission process will involve the following steps for both Full-Time and Part-Time Candidates:-

Interested candidates will submit a CV along with a brief outline of the topic of interest to the Provost, Sri Ramachandra Faculty of Engineering and Technology.

If a potential supervisor and the needed facilities are available to carry out the research, the Provost, Sri Ramachandra Faculty of Engineering and Technology. will ask the candidate to submit the application for Ph.D. Entrance Examinations. If the faculty or the facilities are not available, the candidate will be advised to seek other avenues for research.

A candidate selected on the basis of the results of the entrance examination conducted separately in Sri Ramachandra Faculty of Engineering & Technology and the academic qualifications will be permitted to register as an internal Full-Time, internal Part-Time or external Part-Time Ph.D. student.

The entrance examination will be in the form of a written and an oral examination. The written examination involves writing an essay or a research paper detailing the student's area of interest. It may be a review of a research topic or a proposal dealing with a research problem. The student may take up to a week to complete the written examination. If justified for the nature of the problem involved, Sri Ramachandra Faculty of Engineering and Technology may provide additional time to complete the written examination. Oral presentation of the essay/paper will be to a team of examiners consisting of the potential research supervisor, a second member of Sri Ramachandra Faculty of Engineering and Technology and an industry or an academic expert appointed by the Vice Chancellor/Dean (Research)/Provost of Sri Ramachandra Faculty of Engineering and Technology. The written portion of the examination will carry 70% of the marks while 30% of the marks will be assigned to the oral examination. Multiple choice examinations will not be part of the written examinations in Sri Ramachandra Faculty of Engineering and Technology.

Those candidates who fulfill all criteria for provisional registration as per regulations (including those candidates who hold approved scholarships/fellowships) will be called for counseling. Counseling will be held at the Deemed University campus and those eligible will be notified to attend the counseling on the specified date and time. During counseling, Founder-Chancellor Fellowships will be offered to eligible full time candidates. Guidance to identify Research Supervisors will also be provided to the candidates. After counseling, all eligible candidates will be issued application for Provisional Registration for Ph.D. Program.

### **Brief Note on Sri Ramachandra Institute of Higher Education & Research (DU)**

Sri Ramachandra Medical College and Research Institute was established by Sri Ramachandra Educational and Health Trust in the year 1985 as a private non-profit, self-financing Institution dedicated to serve the society as a Centre of Excellence with emphasis on Medical Education, Research and Healthcare. In view of its academic excellence, the Government of India declared Sri Ramachandra Medical College & Research Institute as a Deemed University in September, 1994 under Section 3 of the University Grants Commission Act, 1956. The Trust achieved the task of establishing this institution as a "Centre of Excellence" under the leadership of Late Shri.N.P.V.Ramasamy Udayar who was the Founder & Managing Trustee of the Trust and also the first Chancellor of the Deemed University. Shri. V.R.Venkataachalam is currently the Chancellor of the Deemed University and also the Managing Trustee of the Trust. Shri.R.V.Sengutuvan is the Pro-Chancellor of the Deemed University. From 2018 onwards, the Deemed to be University is renamed as Sri Ramachandra Institute of Higher Education & Research (Deemed to be University).

## **Accreditations**

- Graded as a Category - I University by the University Grants Commission (UGC).
- SRIHER (DU) has been accredited (cycle-3) by National Assessment and Accreditation Council (NAAC) with CGPA of 3.53 on four point scale at 'A' Grade.
- In the National Institutional Ranking Framework (NIRF-2021), SRIHER has been placed at 47th rank among 362 Universities in the country.
- In the National Institutional Ranking Framework (NIRF-2021), SRMC & RI has been placed at 14<sup>th</sup> rank among 111 Medical Colleges in the country.
- In the National Institutional Ranking Framework (NIRF-2021), Sri Ramachandra Faculty of Pharmacy has been placed at 21st rank among 334 Pharmacy Colleges in the country.
- In the National Institutional Ranking Framework (NIRF-2021), Sri Ramachandra Faculty of Dental Sciences has been placed at 8<sup>th</sup> rank among 117 Dental Colleges in the country.
- The Clinical Laboratory is accredited seven times by National Accreditation Board for Laboratories (NABL).
- The ISO certified Central Research Facility with Sophisticated Instrumentation Laboratory, Clinical Trial Division and Sri Ramachandra Innovation Incubation Centre.
- The Centre for Toxicology & Developmental Research (CEFTE) is issued a Good Laboratory Practices (GLP) compliance certificate by NGCMA, DST, Govt. of India. Sri Ramachandra is the first Medical University in the country to get the GLP certification from the Department of Science and Technology (DST), Govt. of India.
- The Faculty of Public Health has the distinction of being recognized by the ICMR as a SRUICMR Centre for Advanced Research on Air Quality, Climate and Health<sup>II</sup> and also as a WHO collaborating Centre for Occupational & Environmental Health.
- UNESCO Chair in Bioethics has been established at the Deemed University.
- Department of Human Genetics accredited by AERB as Bio-dosimetry laboratory.
- SRIHER (DU) has received support from the Biotechnology Industry Research Assistance Council (BIRAC) of DBT, Govt. of India to establish a Bio-Nest incubator to develop entrepreneurs engaged in scaling health care technologies.

## **UG and PG Programs Offered by the Deemed University**

Currently, the university offers 152 undergraduate and postgraduate programs in medical, dental, para-medical and allied health sciences disciplines. The enrollment stands in excess of 7639 students.



### **Details of Ph.D. Scholars enrollment in Various Faculties of the Deemed University**

The Deemed University offers enrollment for Ph.D. in the several disciplines including Medicine & allied subjects, Surgery & allied subjects and Basic Medical Sciences/ Dentistry/Pharmacy/Nursing/Human Genetics/Biomedical Sciences/Biotechnology/Bioinformatics/Physiotherapy/Management/Allied Health Sciences/Audiology and Speech-Language Pathology/Clinical Nutrition/Clinical Psychology/Public Health/Sports & Exercise Sciences/Clinical Research/Engineering & Technology.

The Deemed University has awarded 288 Ph.D. Degrees in all faculties to date. There are currently over 462 Ph.D. Scholars on roll.

The Integrated MD/MS-Ph.D. Fellowships sponsored by ICMR is a flagship program of the Deemed University for medical postgraduates. The Deemed University offers Founder-Chancellor Shri N.P.V.Ramasamy Udayar Research Fellowship with stipend for full time scholars enrolled in Ph.D. program.

### **Brief Note on the Central Research Facility (CRF) of the Deemed University**

Research at SRIHER is driven by the institutional and national vision to contribute to the prevention and alleviation of disease and disability, leading to the betterment of the health of our population. A network of sophisticated research laboratories provides world class facilities to faculty and students for engagement in medicine, clinical, biomedical, public health, pharmaceutical, health sciences, engineering technology and healthcare management related research. There is special emphasis on multi-disciplinary and collaborative research where in faculty members drawn from different departments and divisions routinely take up high impact research to inform national and international health priorities.

Thrust areas of research are diverse and include non-communicable disease epidemiology, medical genetics and genomics, maternal health, child growth and development, cancer biology, molecular oncology, exercise physiology, occupational and environmental health, clinical virology, radiation biology, speech language and neurodevelopment, nursing care, drug development and discovery, bio-materials and nano-technology, stem cell and regenerative biology, preclinical toxicology, public policy and health care financing, artificial intelligence in healthcare technology, to name a few.

With a network of more than 60 institutional collaborators, that include numerous international (USA, European, Australia) and Indian universities, Governmental and non-governmental research institutions, the faculty at SRIHER have been involved in abundant national and global research and training efforts. Funders include major national agencies such as Department of Science and Technology, Department of Biotechnology, Indian Council

of Medical Research, AYUSH, Defense Research Development Organization and Ministry of Environment, Board of Radiation and Nuclear Sciences, International funding agencies like National Institutes of Health (USA), The Wellcome Trust and The Bill and Melinda Gates Foundation. SRIHER also has an excellent set of intra-mural funding support schemes to help undergraduate, postgraduate and PhD students as well as junior faculty seed their research explorations and build capacities for attracting extramural funds. Publications and citations from the SRIHER research community have been significant with over 8500 indexed articles and a cumulative H-Index of 83 to their credit.

The Office of Dean (Research) provides centralized administrative support for all aspects of research management including research planning, grant administration (including human resource, financial and equipment management) and registrations/ approvals from relevant national and international certifying bodies and infrastructure. A central shared sophisticated laboratory that includes instrumentation for bio- analytical chemistry, cell and molecular biology, genomics and proteomics, clinical virology and optical imaging cell provides support for internal and external student/faculty researchers for equipment requirements that cannot be ordinarily met from individual grants. The GLP accredited pre-clinical toxicology facility and FDA audited Clinical trial division cater the needs of Pre-Clinical and Clinical research requirements. In addition, SRIHER is a recipient of infra-structure grants from DST and DBT that support the maintenance and operation of the shared high-end instrumentation.

Recently SRIHER has received support from the Biotechnology Industry Research Assistance Council (BIRAC) of DBT, Govt. of India to establish a Bio-Nest incubator to develop entrepreneurs engaged in scaling health care technologies. Focal areas of the SRIHER Bio-Nest incubator will include Clinical Validation of Medical Devices, Point of Care Diagnostic Kits, Nanotechnology and Artificial Intelligence (AI) / Machine Learning (ML) based tools in healthcare. With access to multiple clinical specialties and clinical/basic science research groups within the same campus, the SRIHER Bio-incubator is poised to become a major player in nurturing health care related start-ups.

There are currently 42 functional MoUs between SRIHER and foreign/ Indian institutions/ Universities /Industries for academic & research collaborations, with provision for students and faculty exchanges and for conducting teaching & research programs. Recent MoUs include arrangements with Glasgow University UK and IISER Tirupathi.

In order to nurture research aptitude and skills, the Chancellor has instituted student fellowship and faculty seed grants. 85 undergraduate students, 21 Ph.D. students and 58 faculty members have benefited under these schemes in 2020.

## **Sri Ramachandra Hospital**

Sri Ramachandra Hospital is a major Tertiary care and Referral Centre located within the Deemed University campus. The hospital caters to the needs of the students for their learning and training in various specialities. Placed in a suburban locality and amidst major highways, the hospital serves a cross section of the community belonging to every economic segment of the society. On an average 5,000 patients visit the out-patient facility every day. The diagnostic capability available at the hospital is comparable to any University Hospital in any advanced country. The sophisticated clinical laboratory, AABB accredited blood bank and a wide range of imaging facilities including C.T.Scan, MRI, Multi Detector Slice Spiral CT, Cardiac Angiography, Cerebral Angiography and Gamma Camera add to the diagnostic armamentarium of the Hospital.

## **Library**

A centrally air-conditioned resource centre and Wi-Fi enabled premises largely known as Sri Ramachandra Central Library is spread in an area of 40,000 sq.ft. SRIHER Central library holds a rare book collection of ancient books. These resources are effectively utilized by the research scholars for their research. The central library has over 64000 books. 326 national and international journals are subscribed and are available both in hard copies and electronic versions. Over 285 Ph.D. Theses are uploaded in the national reservoir of Ph.D. theses called Infilbnet Shodhganga The library has Urkund Anti Plagiarism software tool which enables researchers to check their documents for plagiarism. The central library is a member of the National Digital Library and in the World eBook library. The resources available in these databases can be accessed by the members of the institute anytime and anywhere. For Ph.D. Part-Time External candidates this provision will be subject to conditions prescribed by the Central Library.

## **Hostels**

There are separate hostel facilities for both men and women students with 3500 single rooms inside the campus to accommodate undergraduate and postgraduate and research students in medical and other disciplines. The campus has continuous running soft water supply and power supply. The avenues of trees and green plants give a resort-like-ambience which is highly conducive to pleasant learning and peaceful living within the campus. Hostels are also equipped with internet facility for the benefit of the residents.

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