



# SRI RAMACHANDRA

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Deemed to be University)

Porur, Chennai – 600 116

Graded as a Category – I University by the UGC and

Accredited by NAAC with 'A' Grade

website: [www.sriramachandra.edu.in](http://www.sriramachandra.edu.in)

## SRI RAMACHANDRA FACULTY OF ENGINEERING AND TECHNOLOGY

(AICTE approval No. F.No. Southern 2019/1-4865580891 dated 30.04.2019)

### PROSPECTUS FOR B.TECH DEGREE PROGRAMS (SRETEEE) – 2019-20

- i. B.Tech. – Computer Science and Engineering  
(Artificial intelligence and Machine Learning)
- ii. B.Tech. – Computer Science and Engineering  
(Cyber Security and Internet of Things)



Reaccredited by  
National Assessment and  
Accreditation Council  
with 'A' Grade



NABH  
Reaccredited



NGCMA, DST, Govt. of India  
GLP Compliance Certified  
CEFT  
(Centre for Toxicology &  
Developmental Research)



**Late Shri N.P.V. RAMASAMY UDAYAR**  
**FOUNDER - CHANCELLOR**

### *The Mission*

*Sri Ramachandra University  
will actively promote and preserve the higher values and ethics  
in education, health care and research and  
will pursue excellence in all these areas  
while consciously meeting the expectations  
of the people it serves without prejudice and  
in all fairness stay socially meaningful  
in its propagation of the various arts and sciences  
to enrich humanity at large.*

**SRI RAMACHANDRA**  
**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**  
(Deemed to be University)  
**Accredited by NAAC with 'A' Grade**  
**Porur, Chennai – 600116**

Sri Ramachandra Medical College and Research Institute was established by Sri Ramachandra Educational and Health Trust in 1985 as a private, non-profit, self-financing Institution, dedicated to serve the society. The institution was created as a Centre of Excellence with an emphasis on Medical Education, Healthcare Delivery and Research. In view of its academic excellence, the Government of India declared Sri Ramachandra Medical College & Research Institute as a Deemed to be University in September, 1994 under Section 3 of the University Grants Commission Act of 1956. Sri Ramachandra attained the status of a deemed university under the able leadership of the then Managing Trustee of the Educational Foundation, its founder and the First Chancellor of the university, late Shri. N.P.V. Ramasamy Udayar. The university continues to grow under the current Chancellor and the Managing Trustee, Shri. V.R. Venkataachalam. The university's growth is also guided and supported by the Pro Chancellor, Shri. R.V.Sengutuvan. The university changed its name to Sri Ramachandra Institute of Higher Education and Research – Deemed University ( SRIHER ) in 2018

The mission of the university is to provide a world class education, offer healthcare services that are among the best in the world and carry out interdisciplinary research to benefit the society at large. The nation's top ranked medical professionals, and scientists and healthcare experts, along with outstanding administrators, have been building the foundations of the university and helping shape its future directions. Partnership with global research institutions and academic entities and collaboration with national centers of excellence and governmental entities have helped the university push the frontiers of scientific, medical and allied health research. The key among them is a partnership with the Harvard University's Medical Center, Massachusetts, USA for more than two decades. Other partnerships have also contributed to the university's accomplishments in quality standards, research output, accreditation and its national ranking.

## Accreditation

The university's current accreditations are:

- Graded as a Category I University by the University Grant's Commission (UGC)
- Accredited by the National Assessment and Accreditation Council (NAAC) with a grade of 3.62 on a 4.0 point scale and a grade of A (in cycle 2 in 2014).
- The Clinical Laboratory is accredited by National Accreditation Board for Laboratories (NABL)
- The Blood Bank is accredited by the American Association of Blood Banks (AABB).
- The **Centre for Toxicology & Developmental Research (CEFTE)** is issued 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 UNESCO Chair in Bioethics has been established at the Deemed University.

## Academic Entities of the University

The following are the academic entities of SRIHER:

1. **Sri Ramachandra Medical College and Research Institute**
2. **Sri Ramachandra Dental College and Hospital**
3. **Faculty of Pharmacy**
4. **Faculty of Nursing**
5. **Faculty of Physiotherapy**
6. **Faculty of Allied Health Sciences**
7. **Faculty of Management**
8. **Faculty of Biomedical Sciences, Technology and Research**
9. **Faculty of Public Health**
10. **Faculty of Sports & Exercise Sciences**
11. **Faculty of Clinical Research**
12. **Faculty of Engineering and Technology**

Currently, the university offers 130 undergraduate and postgraduate programmes in medical, dental, para-medical and allied health sciences disciplines. The enrollment stands in excess of 6400 students. The first batch of students will enter the programmes in Sri Ramachandra Faculty of Engineering and Technology in July 2019.

**Sri Ramachandra Faculty of Engineering and Technology (SRET)** is the new addition to SRIHER with a mission to promote excellence in engineering and technology education, to prepare graduates to solve society's problems, and to be at the forefront of innovation and applied research.

SRET programmes are modeled after some of the best programmes in India and around the world. With a blend of strong fundamentals and experiential learning, these programmes are aimed at preparing graduates to meet the engineering challenges of industry and society. Engineering and technology programmes at such institutions as the Indian Institutes of Technology, and the National Institutes of Technology in India and the Purdue University, Virginia Polytechnic Institute, the State University of New York, the Rochester Institute of Technology and the Northeastern University in the USA and McMaster University in Canada and others elsewhere served as benchmark programmes in formulating the curricula. Input from experts in industry, academia and the research organizations guided the development of the programmes and their curricula.

**Sri Ramachandra Faculty of Engineering and Technology (SRET)** will offer the following AICTE approved programmes from the **academic year 2019-20**:

**B. Tech. – Computer Science and Engineering  
(Artificial Intelligence and Machine Learning)**

**B.Tech. – Computer Science and Engineering  
(Cyber Security and Internet of Things)**

**Other programmes planned to be started in the coming years include:**

- B.Tech. – Computer Science and Medical Engineering
- B.Tech. – Mechanical and Mechatronics Engineering
- B.Tech. – Biomedical Engineering and Robotics

The unique aspects of SRET's degree programmes are:

- Developed in response to the current and future needs of industry
- Graduates of the programmes will have the technical and professional competencies in at least two areas
- While emphasizing the fundamentals of science and engineering, the primary focus is on the application of engineering principles to solve industry's problems
- Offering ample opportunities to gain hands on experience through lab work, industry sponsored projects and summer and academic year internships
- 40% of the courses are to be taught by faculty from International Institutions and industry

- Mandatory professional internship of up to 12 months
- Develop leadership skills through formal curricular and informal co-curricular activities
- Facilitating students to work with their counterparts in India and overseas and undertake collaborative research projects even at the Bachelors Degree level.
- Planned academic collaborations for the new programmes are with the leading universities in the USA, Canada, UK, Germany and Australia

### **SRET Leadership and Faculty**

The SRET programmes are advised and guided by an expert panel from industry, academia and international institutions. A Board of Studies for engineering and technology programmes supports the development and implementation of its curricula, course syllabi, teaching and learning process and assessment and evaluations.

### **Library**

The university's common library, Sri Ramachandra Central Learning Centre, is ideally located at the center of the campus with more than 40,000 sq.ft of space. The students and faculty gain free access to a large collection of Engineering and Technology, Medical and related books and journals. The library houses a large volume of audio and video documents and provisions for thousands of online material. The "e-Learning Resource Centre" also serves as a key resource for access to books, journals and reference materials. In addition, more than 1,000 journals are also available online at the active learning centre through "ProQuest & MEDLARS", where unlimited access is available to the students.

### **Hostels**

There are separate hostel facilities for both men and women with 3,500 rooms inside the campus to accommodate undergraduate and postgraduate students.

### **Central Research Facility**

SRIHER has established the Central Research Facility (CRF) in the year 2007 as the "A to Z gateway" to support the logistics of research planning, project administration, documentation, centralized equipment facility and University-Industry Liaison Centre with IPR/Patents Cell on a 'ready to use platform' to the entire University.

Sri Ramachandra Innovation and Incubation Centre (SRIIC), an ISO certified centre serves the needs of industry and the startup companies.

The research vision of the university is to evolve it to be an "International Centre of Excellence in Translational Medical Education & Research and Biomedical Nanotechnology". By adding the Faculty of Engineering and Technology, the university plans to expand the scope of its interdisciplinary research.

## Admission to B.Tech Degree programmes for 2019-20 Academic Year

### 1. Programmes, Duration, Eligibility and Fees:

Sl. No.	Name of the degree programmes	Duration	Eligibility	No. of seats	Fee per academic year
i.	B.Tech. – Computer Science and Engineering (Artificial Intelligence and Machine Learning)	4 Years	Should have completed Plus 2/HSC level Physics and Mathematics as compulsory subjects along with Chemistry/ Computer Science/ Biotechnology/ Biology/ Technical Vocational subject	60	Rs.2,00,000/-
ii.	B.Tech. – Computer Science and Engineering (Cyber Security and Internet of Things)	4 Years		60	Rs.2,00,000/-

### 2. Scholarships

Scholarships will be awarded to students on the basis of merit

### 3. Eligibility for Admission

Candidates should have studied in recognized schools and passed H.S.C. Examination (Academic Stream/Vocational stream) of any State Board/CBSE/ISCE or any other equivalent examination recognized by SRIHER. Students should have scored a minimum of 60% of marks in the subjects identified.

Candidates from all states and union territories of India are eligible to apply.

### 4. Eligibility Certificate

Candidates who have passed the qualifying examination other than H.S.C. (+2) (Academic Stream/Vocational Stream) Examination of Tamil Nadu Board of Higher Secondary Education, should obtain Eligibility Certificate from SRIHER.

### 5. Filling Application Form and Attaching Attested Copy of Certificates

- Paper application forms may be handwritten or typed and signed.
- Applications should include a demand draft for **Rs.1000/-** (Rupees One thousand only) drawn in favour of “**Sri Ramachandra Institute of Higher Education and Research (Deemed to be University)**” payable at Chennai towards the application and examination fee.
- The application and examination fee of **Rs.1000/-** (Rupees One thousand only) will not be refunded under any circumstances.

- (d) Candidates should include self attested photocopies of the certificates relating to qualification, age, nationality, Mark Statement(s), and Transfer Certificate. The original Mark Statement(s) of the qualifying examination and other documents should not be enclosed. They have to be produced only at the time of counselling.
- (e) Application will be rejected if incomplete or sent without enclosing the relevant certificates and the fees in the form of a demand draft

## 6. Photographs

4 (Four) identical and recently taken passport size colour photographs are required. Candidates should affix the photographs in the space provided (i.e., one on the front page of the Application Form and one each on the Hall Ticket Form and its duplicate and the Attendance Sheet). The candidates should sign on the photographs affixed on the Hall Ticket Forms.

## 7. SRIHER – Entrance Examination

The Entrance Examination will be conducted at SRIHER, Porur, Chennai - 600 116. The candidates have to appear for the Entrance Examination at their own expenses.

## 8. Entrance Examination Date

- (a) The **SRIHER** Entrance Examination will be conducted on **16.06.2019 (Sunday) from 10.00 a.m. to 1.00 p.m.**
- (b) The candidates are advised to be at the Examination Centre an hour before the commencement of the Examination.
- (c) A black ball point pen will be provided. Hence, the candidates need not bring pen to the Examination Hall.

## 9. Hall Ticket:

- (a) Hall Ticket for the Entrance Examination will be issued only to the eligible Candidates and despatched to reach the candidates on or before **12.06.2019 (Wednesday)**. If any candidate does not receive the Hall Ticket as of **14.06.2019 (Friday)**, he/she should contact the Admissions office at: 044-2476 5512 or 2476 5625 or report by fax at: 044-2476 5995 or 2476 7008. For such candidates, duplicate Hall Tickets will be issued on **15.06.2019 (Saturday) between** 10 a.m. and 4 p.m. at the Admissions office. The candidate should bring a copy of the identical passport size photograph already pasted on the Hall Ticket.
- (b) **HALL TICKET MUST BE PRODUCED BY THE CANDIDATES AT THE ENTRANCE EXAMINATION CENTRE WITHOUT FAIL. NO CANDIDATE WILL BE ALLOWED TO WRITE THE ENTRANCE EXAMINATION WITHOUT THE HALL TICKET.**

- (c) Candidates **will not be allowed** to carry any textual material, printed or written, bits of papers, calculators, mobile phones, paging devices or any other electronic device.
- (d) No candidate will be allowed to go outside the examination hall until the completion of the first hour of examination.
- (e) Candidates shall maintain perfect silence and attend to their examinations.
- (f) All candidates appearing for the Entrance Examination shall be required to sign an attendance register to authenticate their presence.
- (g) The OMR answer sheet of the candidate should be handed over to the invigilator along with the question booklet.

#### 10. Entrance Examination- Question Pattern

- (a) The Entrance Examination will be conducted in ENGLISH. The question booklet will consist of 180 multiple choice questions in the following pattern. Students need to answer only 120 questions. A single best response to each question is required.

Subjects	No. of Questions
Mathematics (compulsory)	40 to be answered out of 60 questions
Physics (compulsory)	40 to be answered out of 60 questions
Computer Science or Chemistry or Biology	40 to be answered out of 60 questions
Total	120

- (b) The duration of the examination will be 3 (three) hours.
- (c) 120 questions must be answered and they carry equal marks. There will be no negative marks for wrong answers. Correct answer must be shaded with ball point pen in the OMR Answer Sheet supplied along with the question booklet.
- (d) Syllabus: The Entrance Examination will be based on the HSC (+1 & +2) State and Central Board syllabus.

#### 11. Mode of Selection:

- (a)
  - i. Admission to the programmes will be purely on merit, based on the marks secured in the higher secondary (+2) examination and the marks secured in the entrance examination conducted by SRIHER (i.e., SRETEEE-2019) as follows:
  - ii. Selection will be made on the basis of overall ranking of the candidates by giving equal weightage for the marks secured in the specified subjects in the +2 examination and the marks secured in the entrance examination i.e., ranking will be based upon (50% of entrance examination marks + 50% higher secondary (+2) examination in the specified subjects).
- (b) Admission letter will be sent to the candidates who are provisionally selected based on ranking.

- (c) Examination results will be published in the Notice Board and also in the University website [www.sriramachandra.edu.in](http://www.sriramachandra.edu.in)

## **12. University Norms**

- (a) Information provided in the application should be verifiable and it would be treated as a lawful document.
- (b) The university norms would be followed in terms of admissions, fee structure, refunds, student status and other related academic matters
- (c) Disputes arising in the interpretation and implementation of the provisions of the prospectus will be referred to the Vice-Chancellor and the Vice-Chancellor's decision shall be final and binding.
- (d) With respect to matters relating to or arising out of this prospectus, the jurisdiction shall lie in Chennai.

## **13. Deposit of Certificates:**

Verification of original certificates will be made at the time of admission. Candidates provisionally selected for admission will have to deposit all required original certificates with the Admissions office. The candidates are advised to keep with them enough number of attested photocopies of their certificates.

## **14. Change of Name / Date of Birth**

The name and date of birth of the candidate will be registered in the records of the University as given in the HSC Mark Statement/Transfer Certificate only. No request will be considered later in regard to change of date of birth or correction in the name of the candidate. The candidates are requested to verify and confirm these entries in the HSC Mark Statement/Transfer Certificate at the time of receipt of the same.

## **15. PAYMENT OF TUITION AND OTHER FEES**

- (i) Every student shall pay tuition fee and other fee, as prescribed by the Deemed to be University, within the due date notified. The fees are subject to revision as per rules of the University.
- (ii) All fees, once paid to the Deemed to be University account, will not be refunded or adjusted for any other purpose under any circumstance.

## **16. RULES FOR DISCONTINUANCE FROM PROGRAM OF STUDY**

- (i) Where any student applies for discontinuance, or without any application discontinues on his/her own, from the program to which he/she has been admitted to, for any reason, either after the cut-off date prescribed by the statutory authorities for admission to the first year of the program concerned or where the seat is rendered vacant without having any chance of being filled up with any other candidate from waiting list etc., or in the middle of the program period such students will have to remit

the tuition fee and other applicable fees for the 'entire/remaining program period'. Unless and until payment of all the prescribed fees for the entire/remaining program period is made to the Deemed to be University account, such student shall not be entitled to any certificate including transfer certificate, mark sheets etc., to be issued by the Deemed to be University and to get back his/her original certificates deposited with the Deemed to be University at the time of admission.

- (ii) All students and parent will be required to furnish a declaration agreeing to the above said conditions at the time of admission.

#### **17. MEDICAL EXAMINATION:**

The candidates provisionally selected for admission will have to undergo a medical examination at SRIHER, Porur, Chennai – 600116. The students must meet the medical fitness requirements of the university.

#### **18. ANTI RAGGING MEASURES:**

Ragging is strictly prohibited in this Campus. Sri Ramachandra Institute of Higher Education and Research (Deemed to be University) strictly enforces anti-ragging measures and the campus is free from any form of ragging. Any violation will be dealt with according to the law in force and as per directives of the Supreme Court of India.

**The Deemed University has adopted the “UGC Regulations on curbing the menace of Ragging in Higher Educational Institutions, 2009” (as amended) and All India Council for Technical Education (Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to be Universities imparting technical education) Regulations 2009” (as amended). These Regulations shall be applicable to all students. Full text is available in the Deemed University Website: [www.sriramachandra.edu.in](http://www.sriramachandra.edu.in).**

Further, the attention of the students and parents is invited to Section 4 and 5 of the Tamil Nadu Prohibition of Ragging Act, 1997 which are reproduced below:

**Section 4:-** Whoever commits, participates in, abets or propagates 'ragging' within or without any educational institution, shall be punished with imprisonment for a term which may extend to two years and shall also be liable to a fine which may extend to Rs.10,000/- (Rupees ten thousand)

**Section 5: -** Any student convicted of an offence under section 4 shall also be dismissed from the educational institution and such student shall not be admitted in any other educational institution.

Data on Ragging:

- i. No. of ragging incidents during the academic year 2018-2019 : NIL
- ii. Punishment awarded : NIL

## 19. CHECK LIST:

- (a) Please ensure whether the following certificates (**self attested photocopies only**) have been enclosed along with the duly filled in the Entrance Examination Application Form:
- i. Mark statement(s) issued by (State Board/CBSE/ISC or any other equivalent authority);
  - ii. Birth Certificate for proof of age (if date of birth is not given in the HSC Mark)
  - iii. Transfer Certificate/Migration Certificate;
  - iv. Conduct Certificate issued by the Head of the Institution last studied;
- (b) Also ensure whether :-
- i. Your photograph has been pasted on the following pages of the application form:
    - Application form (front page)
    - Hall tickets (Original & Duplicate)
    - Attendance sheet
  - ii. In case of application downloaded from the website, Demand Draft for **Rs.1000/-** (Rupees One thousand only) towards the application and examination fee is enclosed.

## 20. LAST DATE:

- (a) The Entrance Examination Application Form duly filled in and securely fastened with the above mentioned enclosures sent by Registered Post / Speed Post / Courier Service or may be Submitted INPERSON to reach: **THE REGISTRAR, SRI RAMACHANDRA INSTITUTE OF HIGHER EDUCATION & RESEARCH (DEEMED TO BE UNIVERSITY)**, Porur, Chennai - 600 116 on or before **12.06.2019 (Wednesday)**.
- (b) **The candidate should submit the application form without folding it in a A4 size envelope.**
- (c) Applications deadline is **5.00 p.m. on 12.06.2019 (Wednesday)**
- (d) The Deemed to be University shall not be liable for any postal delay or loss in transit.
- (e) The candidates are advised to send the applications well in advance to avoid any delay in transit.

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