



## SRI RAMACHANDRA

MEDICAL COLLEGE AND RESEARCH INSTITUTE

(Deemed to be University)

(formerly known as Sri Ramachandra University)

Placed in 'Category – I Universities' by the UGC

Accredited by NAAC with 'A' Grade

Porur, Chennai - 600116, Tamil Nadu, India

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

### PROSPECTUS FOR THE FOLLOWING DEGREE PROGRAMMES – 2018

- ☞ B.Sc.(Hons) Sports and Exercise Sciences
- ☞ B.Sc. (Trauma Care Management)
- ☞ B.Sc. Clinical Nutrition
- ☞ B.B.A. Hospital & Health Systems Management
- ☞ B.Sc. Bioinformatics
- ☞ B.Sc. Health Informatics
- ☞ B.Sc. Data Sciences
- ☞ B.Sc. (Hons) Environmental Health Sciences



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**  
**MEDICAL COLLEGE AND RESEARCH INSTITUTE**  
**(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 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 to be 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.

The objective of the Institution is to have the facility raised and developed to a level comparable to any major medical establishment in advanced countries. With this goal in mind, the Trust has, in close co-operation of, and the able guidance from professional experts in administration and teaching, developed this sprawling 150 acres of green campus to the level of a prestigious University today. Further milestones were reached and on April 1, 1997 when an inter-institutional alliance between Harvard Medical International, USA and Sri Ramachandra Medical College and Research Institute was signed. This major step in the growth of the Institution has further led the Institution towards quality in the areas of Medical Education, Health Care and Research and enhanced its visibility and recognition at the International level.

Harvard Medical International, in its annual report 2007, had stated that “Sri Ramachandra is the model of a learning Institution in both its Medical school and Hospitals. They have pursued faculty development with great rigor, and in the Hospital are striving to be a quality leader in India. The Institution stands out because of its commitment to taking care of all”.

Sri Ramachandra Medical College and Research Institute is among the very few Medical Institutes in India which have been sanctioned 250 seats in MBBS Degree course by the Medical Council of India from the academic year 2011-12.

**ACCREDITATION:**

Sri Ramachandra University has been accredited (cycle-2) by National Assessment and Accreditation Council (NAAC) with CGPA of 3.62 on four point scale at 'A' Grade.

The Clinical Laboratory is NABL accredited and the Blood Bank is reaccredited by the American Association of Blood Banks (AABB).

The CEFT is GLP certified. The first Medical University in India to get the GLP certification from DST, Govt. of India.

UNESCO Chair in Bioethics has been established at the Deemed University.

**CONSTITUENT UNITS:**

The following are the constituent units of Sri Ramachandra Medical College and Research Institute (Deemed to be University)

- 1) Sri Ramachandra Medical College and Research Institute**
- 2) Sri Ramachandra Dental College and Hospital**
- 3) Sri Ramachandra College of Pharmacy**
- 4) Sri Ramachandra College of Nursing**
- 5) Sri Ramachandra College of Physiotherapy**
- 6) Sri Ramachandra College of Allied Health Sciences**
- 7) Sri Ramachandra College of Management**
- 8) Sri Ramachandra College of Biomedical Sciences, Technology and Research**
- 9) Sri Ramachandra College of Public Health**

The Deemed to be University offers, at present, 22 Degree courses at undergraduate level in medical, dental, para-medical and allied health sciences disciplines and 44 courses in Medical, 8 courses in Dentistry and 32 para-medical Degree courses at postgraduate level through the above units. In all, nearly 6,500 students receive teaching and training within the campus.

**LIBRARY:**

A centrally air-conditioned large Library, known as Sri Ramachandra Central Learning Centre is ideally located in an area of 40,000 sq.ft. The students and faculty gain free access to a large collection of Medical and related books and journals gathered over a period of 33 years which provide rich study and reference material. The Library has a good stock of audio and video-cassettes on various subjects and facilities for microfiche access. The "e-Learning

Resource Centre” with 48 new updated systems and Wi-Fi facility with access to Medlars, Internet and CD-ROM facilities. It is an excellent learning centre in which a huge collection of models of anatomical interest are also exhibited for the benefit of the students and faculty. Apart from this, book bank services are also available for the students. In addition to hard copies, around 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 students with 3,500 single rooms inside the campus to accommodate undergraduate and postgraduate students in medical and other disciplines. The campus has continuous running soft water supply and power supply.

### **SRI RAMACHANDRA HOSPITAL:**

Sri Ramachandra Hospital is a major Tertiary care and referral centre located within the Deemed to be 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 everyday. 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.

The Neurology Laboratory, Pulmonology Laboratory, Non-invasive and invasive Cardiac Laboratories have all been developed to the current state-of-the-art level. The most modern operation theatres, ICU and Critical Care beds add to this unique facility. The students have unlimited opportunities to learn in this modern hospital. Similarly, specialities have grown in the last 33 years in every facet of medical advancement. The Cardio Vascular & Thoracic Surgery programs have already reached a significant level of perfection as also the other major divisions like Vascular Surgery, Neuro Surgery, Interventional Neuro Radiology, Critical Care Medicine, Reproductive Medicine and Transplantation services.

Clinical Skills Labs in several departments like Orthopaedics, General Surgery, Obstetrics and Gynaecology, ENT provide opportunities for postgraduate students to acquire the much sought after practical skills in complex surgical procedures.

## **CENTRAL RESEARCH FACILITY:**

Sri Ramachandra Medical College and Research Institute (Deemed to be University) has established the Central Research Facility (CRF) in the year 2007 as the “A to Z gateway” for research, to take care of all logistics of research planning, research projects administration, research documentation, providing centralized sophisticated equipment facility and University-Industry Liaison Centre with IPR/Patents Cell on a ‘ready to use platform’ to the entire University.

The ‘Research Vision’ of Sri Ramachandra Medical College and Research Institute (Deemed to be University) is to evolve the University as an “International Centre of Excellence in Translational Medical Education & Research and Biomedical Nanotechnology”.

## **ANTI RAGGING MEASURES:**

Ragging is strictly prohibited in the Campus. Sri Ramachandra Medical College and Research Institute (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 “Medical Council of India (Prevention and Prohibition of ragging in Medical College / Institutions) Regulations, 2009” (as amended) and “UGC Regulations on curbing the menace of Ragging in Higher Educational Institutions, 2009”(as amended) and these Regulations shall be applicable to all students. Full text is available in the 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/-(ten thousand rupees)

**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 2017-2018 : NIL
- ii. Punishment awarded : NIL

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## **B.Sc. (Hons.) Environmental Health Sciences**

**[Under Choice Based Credit System]**

### **INTRODUCTION**

Environmental health sciences program focuses on human health that is linked to the interaction between living and environmental conditions. There must be a balance between the human development and the preservation of nature. The exponential growth in human development ultimately ends up with exploitations of natural resources after meeting the human demands. Subsequently, this leads to severe degradation of the environment, endanger of life of plants and animals, changes in landscape and climate, depletion of essential resources such as water and food. Environmental health sciences are linked with biological, non biological, physical, social and technological features integrating multiple disciplines. According to the international organization, Environmental health discipline is often considered to be focusing on disease prevention. With no further knowledge on science interface with other disciplines, there cannot be a complete understanding of the subject. There is a strong need to train students in these core areas, who in turn can work to preserve nature and improve the quality of environment fostering both the people and environment for sustainable growth.

The department of EHE has been offering post graduate programs in public health (MPH) and industrial hygiene & safety (M.Sc.) for more than 7 years, and has been instrumental in bringing together academicians and eminent professionals from different governmental/non-governmental organizations, in the process of quantifying various environmental parameters and their health impacts. This led us to realize the lack of a multidisciplinary training in this area at the undergraduate level. Hence, this 4-year B.Sc. (Hons) Environmental Health Sciences (BEHS) provides a profound theoretical and practical knowledge in air quality, water quality, food quality, ecology, environmental health and chemistry, basic physics, microbiology, biochemistry, public health, atmospheric chemistry, interaction of human physiology and body systems with environmental exposures, toxicology and diseases, social and human behavior and environmental management systems. This course also provides an overview of the requirements of current legislation and standards pertaining to environmental health. Foundation teaching will be covered in the first three years and beginning of year four, the students will start their laboratory/field rotations. The students will be rotated to laboratories, governmental and nongovernmental organization for gaining practical training on water quality, air quality and food quality testing procedures, essentials of maintaining the toxicity testing laboratories, environmental conservation and disease surveillance. During the field or laboratory rotation, the students will be offered hands-on experience on using modern equipment and techniques to analyze physical and biological parameters. This program lays strong foundation to the students for preparing themselves as leader s environmental health sciences.

### **SCOPE**

After completing the under graduation, the students can join other Universities both in India and abroad for higher studies in environmental sciences, public health, molecular biology, biotechnology, bioinformatics, human genetics and other life science programs. The student who completes this program will be skilled technologist in water, air food quality testing, disease surveillance and environmental management and conservation and will be able to take a technologist job.

Undergraduate students of the BEHS are trained in the fundamentals of environment and its impact on health. Hence, such students possess the training and expertise to become highly skilled technologist in water, air, food quality testing, disease surveillance and environmental conservation. The need for such expertise and training has been increasing in industries and laboratories, either in government or private sectors, which are involved in testing environmental parameters, disease surveillance and environmental conservation. These interdisciplinary environmental biologists can also progress vertically.

## HIGHLIGHTS

BEHS is a semester based CBCS curriculum program offering 170 credits.

**Duration:** 4 years including one year internship.

## PROGRAM SUMMARY

### B.Sc. (Hons) Environmental Health Sciences [BEHS]

1. The 4-year BEHS program includes class room and laboratory teaching for the first 3 years and an internship and a mini project for the last 1 year, with a total of **170 credits**
2. This program is for 8 semesters *i.e.*, 2 Semesters / year. At the end of 6<sup>th</sup> semester the student will be rotated to various laboratories.
3. Total of 48 courses which comprises of core theory, practical, electives and skill enhancement courses earning a total of 140 credits in three years. In the fourth, final year, 30 credits during internship and mini project can be earned to give a total of **170 credits** for this degree program.
4. At the end of the 3<sup>rd</sup> year students will be rotated to various departments to get trained in environmental monitoring and analysis.
5. Each semester has 100 working days.
6. The grade system indicates a 10-point scale of evaluation of the performance of students in terms of grades and grade point.
7. Grade point average (GPA) and Cumulative grade point average (CGPA) will be declared as per the CBCS.
8. The Degree BEHS will be awarded after successful completion of laboratory rotation at the end of 4 years.

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## 2. ELIGIBILITY:

- (a) Should have studied in a recognized School and passed H.S.C. Examination (**Academic Stream of 10+2 curriculum**) of any State Board/CBSE/ISC (or) any other examination recognized as equivalent thereto, with the group of subjects specified below and obtained the minimum eligible marks prescribed by this University.
- (b) Candidates who are appearing for HSC (+2) or equivalent examination in March / April 2018 are also eligible to appear for the Interview subject to condition noted under Important note (ii) below



Programmes	Group of subjects specified
B.Sc.(Hons) Sports and Exercise Sciences B.Sc. (Trauma Care Management)	Passed the HSC with the subjects of English, Physics, Chemistry and Biology or (Botany & Zoology)
B.Sc. Clinical Nutrition	Passed the HSC with Nutrition and Dietetics/ Home science/Basic science subjects with Physics ,Chemistry, Botany & Zoology/ Biology and /or Mathematics/ Computer Science.
B.B.A. Hospital and Health Systems Management	Pass in HSC or Equivalent
B.Sc. Bioinformatics	Candidate should have passed HSC(+2) or equivalent examination with one of the following subject combinations:-  i) Physics, Chemistry, Biology, Mathematics (or) ii) Physics, Chemistry, Botany and Zoology. (or) iii) Physics, Chemistry, Mathematics, Computer Sciences
B.Sc. Health Informatics	
B.Sc. Data Sciences	
B.Sc. (Hons) Environmental Health Sciences	Candidate should have passed HSC(+2) or equivalent examination with one of the following subject combinations:  i) Physics, Chemistry, Biology and Mathematics (or) ii) Physics, Chemistry, Botany and Zoology.

#### Important Note:

- (i) Candidates belonging to any State/Union Territory of India only are eligible.
- (ii) Candidates who are appearing for the H.S.C.(+2) or equivalent Examination in March/April, 2018 **should submit a photocopy of the H.S.C.(+2) mark statement, immediately on its receipt** to this Deemed to be University either in person or by speed post, courier service. At the top of the H.S.C. mark statement copy, the candidates should write their "Interview Call Letter Registration Number" assigned to them by this Deemed University.
- (iii) If any candidate does not submit copy of H.S.C.(+2) mark statement to the office on or before **11.06.2018** his/her ranking will be fixed as specified in the prospectus.

### 3. ELIGIBILITY CERTIFICATE:

Candidates who have passed qualifying examination other than H.S.C. (+2) (Academic Stream) Examination of Tamil Nadu, Board of Higher Secondary Education should obtain Eligibility Certificate from Sri Ramachandra Medical College and Research Institute (Deemed to be University ), Chennai and produce it at the time of admission.

#### 4. AGE LIMIT :

Candidates should have completed 17 years of age as on 31st December, 2018. Date of birth entered in the Mark Statement of HSC/CBSE/ISC or its equivalent Examinations or in the Birth Certificate or Passport shall be taken for computing the age of the candidates.

#### 5. FILLING APPLICATION FORM AND ATTACHING SELF ATTESTED COPY OF CERTIFICATES:

- (a) Application form should be filled in carefully and legibly by the candidate in his/her own handwriting.
- (b) In case of application downloaded from the website, candidate should enclose a demand draft for **Rs.1000/-**(Rupees One thousand only) drawn in favour of **“Sri Ramachandra Medical College and Research Institute (Deemed to be University)”** payable at Chennai towards the application fee.
- (c) The application fee of **Rs.1000/-**(Rupees One thousand only) will not be refunded under any circumstances.
- (d) Candidates **should enclose only Self attested photocopy of the certificates** relating to qualification, age and nationality such as HSC Mark sheet(s), Transfer Certificate, Aadhaar Card etc. **The original Mark Sheet(s) of the qualifying examination and other original documents should not be enclosed. They have to be produced only at the time of interview.**
- (e) Application will be rejected summarily if incomplete or sent without enclosing the relevant certificates and demand draft as mentioned in clause 5(b) above.
- (f) Candidates who have appeared for the HSC(+2) Examination in March/April, 2018 should enclose a photocopy of the HSC(+2)/equivalent exam Hall ticket with the application form.

#### 6. PHOTOGRAPHS:

3 (Three) 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 Interview Call Letter (Original & Duplicate). The candidates should sign on the photographs affixed on the Interview Call Letter.

#### 7. INTERVIEW CALL LETTER:

- (a) Interview Call Letter will be sent only to the eligible candidates on or before **08-06-2018 (FRIDAY)**. If any candidate, though eligible to appear for the Interview, does not receive the Call Letter, he/she may collect a Duplicate call letter on **11-06-2018 (MONDAY)** in person from the Deemed to be University Office by producing his/her identity and proof for having applied for the Interview. Such candidates should bring one identical copy of the passport size photograph already pasted in the application form and proof of sending application form for Interview i.e., Postal / Courier receipt.

- (b) INTERVIEW CALL LETTER MUST BE PRODUCED AT THE TIME OF INTERVIEW WITHOUT FAIL. NO CANDIDATE SHALL BE ALLOWED TO ATTEND THE INTERVIEW WITHOUT THE CALL LETTER.
- (c) Mere acceptance of a person as a candidate for Interview shall not confer on him/her any right/eligibility for admission. The name of the candidate who does not satisfy the prescribed eligibility criteria shall not be considered for admission.
- (d) All candidates appearing for an interview shall be required to sign an attendance register to authenticate their presence.

#### **8. INTERVIEW CENTRE:**

The Interview will be conducted at **Sri Ramachandra Medical College and Research Institute (Deemed to be University)** Porur, Chennai - 600 116. The candidates have to appear for the Interview at their own expenses.

#### **9. DATE OF INTERVIEW:**

The interview will be conducted on **11-06-2018 (Monday) & 12-06-2018 (Tuesday) from 10.00 a.m.** The candidates are advised to be at the Interview Centre an hour before the commencement of the Interview.

#### **10. MODE OF SELECTION:**

- (a) Selection will be made on the basis of the marks secured by the candidates in the Interview. Intimation letter will be sent to the candidates provisionally selected for admission.
- (b) Results will be published in the Notice Board and selected candidates will be intimated individually through post.

#### **11. IMPORTANT NOTE:**

- i. All admissions are subject to fulfillment of all the eligibility conditions by the candidate. If it is found at a later stage, that the candidate has given false information/forged certificates or concealed material information, his/her admission will be cancelled without any notice.
- ii. The Deemed to be University reserves the right to change the curriculum, course structure and the rules relating to admission, examinations, fee structure, refunds, etc.
- iii. All disputes arising in the interpretation and implementation of the provisions in this prospectus will be referred to the Vice-Chancellor of this Deemed to be University and Vice-Chancellor's decision shall be final and binding.
- iv. In respect of matters relating to or arising out of this prospectus the jurisdiction shall lie in Chennai alone.

## **12. 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 office. Therefore, candidates are advised to keep with them enough number of attested photocopies of their certificates.

## **13. CHANGE OF NAME/DATE OF BIRTH:**

The name and date of birth of candidates will be registered in the records of the Deemed to be University as given in their H.S.C. Mark Statement/Transfer Certificate only. No request will be considered later in regard to correction in the spelling of the name of the candidates. The parents and candidates are requested to verify and confirm these entries in the H.S.C. Mark Statement / Transfer Certificate at the time of receipt of the same.

Once admitted to a course of study in the Deemed to be University, date of birth as furnished in the HSC/School record of student and submitted at the time of admission, shall be taken as final proof and no subsequent request for change of date of birth will be entertained by the Deemed University at any time under any circumstance, either during the course of study or after the completion of such study. Every student shall give an undertaking to this effect duly countersigned by his/her parent or guardian at the time of admission.

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

1. 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 Deemed to be University.
2. All fees, once paid to the Deemed to be University account, will not be refunded or adjusted for any other purpose under any circumstance.

## **15. RULES FOR DISCONTINUANCE FROM COURSE OF STUDY**

1. Where any student applies for discontinuance, or without any application discontinues on his/her own, from the course 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 course concerned or where the seat is rendered vacant without having any chance of being filled up with any other candidate from waiting list etc., such students will have to remit the tuition fee and other applicable fees for the 'entire/remaining course period'. Unless and until payment of all the prescribed fees for the entire/remaining course 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.
2. All students and parent will be required to furnish a declaration agreeing to the above said conditions at the time of admission.

## 16. MEDICAL EXAMINATION:

The candidates provisionally selected for admission will have to undergo a medical examination at Sri Ramachandra Medical College and Research Institute (Deemed to be University ), Porur, Chennai - 116 and only those who are found medically fit will be admitted to the course concerned.

## 17. CHECK LIST:

- (a) Please ensure whether the following certificates **(self attested photocopies only)** have been enclosed along with the duly filled in :•
- i. Photocopy of the H.S.C. (+2) equivalent examination Hall Ticket, if appeared for H.S.C. or equivalent Examination in March/April 2018;
  - ii. Mark statement(s) issued by (State Board/CBSE/ISC or any other equivalent authority) if already passed +2 Examination;
  - iii. Birth Certificate for proof of age (if date of birth is not given in the Mark Statement or Transfer Certificate);
  - iv. Transfer Certificate/Migration Certificate;
  - v. Conduct Certificate issued by the Head of the Institution last studied; and
  - vi. Photocopy of Aadhaar Card.
- (b) Also ensure that:•
- i. The candidate's photograph has been pasted on the Front page of the Application Form and also on the Interview call letters (original and duplicate) and
  - ii. In case of application downloaded from the website, Demand Draft for **Rs.1000/-** (Rupees One thousand only) towards the application fee is enclosed.

## 18. LAST DATE:

- (a) Application Form duly filled in and securely fastened with the above mentioned enclosures sent by Registered Post / Speed Post / Courier Service or maybe submitted in person to reach: **THE REGISTRAR, SRI RAMACHANDRA MEDICAL COLLEGE AND RESEARCH INSTITUTE (DEEMED TO BE UNIVERSITY), Porur, Chennai - 600 116** on or before **19-05-2018 (Saturday)**.
- (b) The candidate should submit the application form without folding it in a A4 size envelope.**
- (c) Applications delivered **after 5.00 p.m. on 19-05-2018 (Saturday)** due to any reason, will be rejected summarily.
- (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.

**REGISTRAR**