



SRI RAMACHANDRA UNIVERSITY

(Declared under Section 3 of the UGC Act, 1956)

Accredited by NAAC with 'A' Grade

Porur, Chennai 600 116, Tamil Nadu, India

website: www.sriramachandra.edu.in

PROSPECTUS FOR THE FOLLOWING DEGREE COURSES – 2016

- M.P.T
- M.Sc. (Medical Anatomy)
- M.Sc. (Medical Physiology)
- M.Sc. (Medical Biochemistry)
- M.Sc. (Medical Microbiology and Applied Molecular biology)
- M.Sc. (Medical Laboratory Technology)
- M.Sc. (Neuro Science)
- M.Sc. (Medical Imaging Technology)
- M.Sc. (Renal Sciences & Dialysis Technology)
- M.Sc. (Human Genetics)
- M.Sc. (Biotechnology)
- M.Sc. (Medical Bioinformatics)
- M.Sc. (Clinical Nutrition)
- M.Sc. (Trauma Care Management)
- M.Sc. Industrial Hygiene & Safety (3 year – part time)
- M.P.H. (Occupational and Environmental Health)
- M.Sc. (Clinical Embryology)



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)



Reaccredited by
Joint Commission
International



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 UNIVERSITY

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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. As notified by the UGC, the nomenclature of the institution has been changed to Sri Ramachandra University from December 2006. 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 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, in close co-operation of, and the able guidance from professional experts in administration and teaching, has developed this sprawling 150 acres of green campus to a level of a prestigious University today. Further milestones were reached as on April 1, 1997 when an inter-institutional alliance between Harvard Medical International, USA and Sri Ramachandra Medical College and Research Institute was signed, which had 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, 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".

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 Centre for Toxicology and Developmental Research (CEFT) is GLP certified, the first Medical University in India to get the GLP certification from DST, Govt. of India.

CONSTITUENT COLLEGES AND FACULTIES:

The following are the constituent colleges and faculties of Sri Ramachandra University:

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

The University offers, at present 15 Degree courses at undergraduate level in medical, dental, para- medical and allied health sciences disciplines and 39 courses in Medical, 8 courses in Dentistry and 35 para-medical Degree courses at postgraduate level through the above college and faculties. In all, nearly 5,000 students receive their teaching and training within the University campus.

SRI RAMACHANDRA MEDICAL COLLEGE AND RESEARCH INSTITUTE:

Sri Ramachandra Medical College and Research Institute, since its inception in 1985, has always been in the forefront of medical education. A fully integrated, innovative, modular curriculum within the framework of the Medical Council of India has been created for the MBBS Degree program that allows students to learn in a patient-centered manner. With assistance from Harvard Medical International and through extensive faculty development, value addition has been provided to the MBBS program to make it more student centered. Class rooms have been redesigned to reflect the new teaching ethos. Small group discussion areas have been created.

- Sri Ramachandra Medical College and Research Institute is recognized by the Medical Council of India, General Medical Council of UK, Medical council of Thailand and Sri Lanka.
- Sri Ramachandra Medical College and Research Institute is included in the directory of the World Health Organisation.
- The Medical Council of India (MCI) has recognized Sri Ramachandra Medical College and Research Institute, Sri Ramachandra University, as a Nodal Centre to conduct both Basic and Advance course in Medical Education Technologies to the faculty members around 40 medical colleges in the South India.

LIBRARY:

A centrally air-conditioned large Library, known as Sri Ramachandra-Harvard 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, Dental and related books and journals gathered over a period of 30 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, almost 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 3500 single rooms inside the campus to accommodate undergraduate and postgraduate students in medical, dental 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 inmates.

SRI RAMACHANDRA HOSPITAL:

Sri Ramachandra Hospital is a major Tertiary care and referral centre located within the 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 5000 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 30 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.

TELEMEDICINE:

The University has national level visibility as a centre of excellence in exploiting Information Technology to the hilt, by establishing state-of-the-art Telemedicine facility through Satellite, ISDN lines and Internet connectivity. In addition, the University is a member of the PAN-African Network in telemedicine promoted by the Govt. of India. Both students and the faculty benefit from Tele-Medicine Centre which is well connected with various national and international Institutions.

SRI RAMACHANDRA UNIVERSITY CENTRAL RESEARCH FACILITY:

Sri Ramachandra 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 University is to evolve the University as an “International Centre of Excellence in Translational Medical Education & Research and Biomedical Nanotechnology”.

RAGGING:

Ragging is strictly prohibited in the University Campus. Sri Ramachandra 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 University has adopted the “Medical Council of India (Prevention and Prohibition of ragging in Medical College / Institutions) Regulations, 2009” and “UGC Regulations on curbing the menace of Ragging in Higher Educational Institutions, 2009” and these Regulations shall be applicable to all students. Full text is available in the University website: www.sriramachandra.edu.in.

- I. No. of ragging incidents during the academic year 2015 – 2016 : NIL
- II. Punishment awarded : NIL

ADMISSION TO POSTGRADUATE PARA MEDICAL DEGREE COURSES 2016-17

COURSES OFFERED:

Course	Duration	No. of Seats	Fee per academic year Rs.	Date & Time of Interview	
M.P.T	2 Years (Semester Pattern)	i) Orthopaedics & Traumatology	6	1,25,000/-	04.07-2016 (Monday) 05-07-2016 (Tuesday) 10.00 a.m.
ii) Neuro Sciences		6			
iii) Cardio- Pulmonary Sciences		6			
iv) Women's Health		2			
M.Sc. (Medical Anatomy)	3 years (Non-Semester pattern)		3	1,25,000/-	
M.Sc. (Medical Physiology)			3		
M.Sc. (Medical Biochemistry)			3		
M.Sc. (Medical Microbiology and Applied Molecular Biology)			3		
M.Sc. (Medical Laboratory Technology)	2 years (Semester pattern)	9		75,000/-	
M.Sc. (Neuroscience)	2 years (Semester pattern)		3		
M.Sc. (Medical Imaging Technology)			3	1,25,000/-	
M.Sc. (Renal Sciences & Dialysis Technology)			4	1,50,000/-	
M.Sc. (Human Genetics)			20	1,25,000/-	
M.Sc. (Biotechnology)			20	75,000/-	
M.Sc. (Medical Bioinformatics)			20	75,000/-	
M.Sc. (Clinical Nutrition)			20	1,00,000/-	
M.Sc. (Trauma Care Management)			2	50,000/-	
M.Sc. (Clinical Embryology)	2 years (Non-Semester pattern)	4		5,00,000/-	
M.Sc. Industrial Hygiene and Safety (3 year part-time)	3 years (Semester pattern)	15		75,000/-	
M.P.H. (Occupational and Environmental Health)	2 years (Semester pattern)	10*		1,25,000	

* Out of 10 seats 3 seats will be allotted to candidates sponsored by Industry / Govt.

MASTER OF PHYSIOTHERAPY (M.P.T.) DEGREE COURSE

INTRODUCTION:

Faculty of Physiotherapy was started in 1993 offering initially Bachelor of Physiotherapy Degree Course. Master of Physiotherapy course was introduced in the academic year 2000-2001.

The Physiotherapy students are provided with excellent facilities for curricular activities. state-of-the-art multi-speciality Sri Ramachandra Hospital located within the University campus offers rich and enormous clinical materials required for clinical training and skill development. Academic and practical performances of the students are enhanced with continuous supervision and guidance by the efficient faculty members of various Departments. Apart from regular class room teaching, practical demonstrations and clinical training are also provided. Emphasis is given on group discussion through weekly seminars and daily case presentations.

SPECIALITIES:

- (i) Orthopaedics & Traumatology, (ii) Neuro Sciences and (iii) Cardio-Pulmonary Sciences
- iv) Women's Health

ORTHOPAEDICS & TRAUMATOLOGY:

Students opting this specialization are exposed to different concepts of treatment of orthopaedics like Maitland, McKenzie, Cyriax, Muligan etc., They get exposed to pain management and post trauma, post surgical rehabilitation. Special emphasis is given in plastic surgery and sports related injuries. Orthotic and Prosthetic department helps the student to understand and prescribe appropriate orthotic and prosthetics.

NEURO SCIENCES:

This specialization covers rehabilitation of both adult and paediatric neurological conditions. Concepts like MRP, NDT, Brunnstrom are taught with practical application. Availability of vast number of patients in neurology for the students to attend, improves their skill. Exposure to neuro-intensive care unit is a unique experience.

CARDIO-PULMONARY SCIENCES:

Cardiac and pulmonary rehabilitation concepts are taught to its depth in this programme. Students are exposed to Cardiac Intensive Care Unit with post thoracotomy patients improves their knowledge and skills. Involvement of students in Phase I of cardiac rehabilitation and initiation of Phase II implements the concepts they learns into practice. Students are exposed to well structured Intensive Care Units and routines in the ICU.

WOMEN'S HEALTH:

MPT (Women's Health) Program in Physiotherapy, helps to understand the Physiology, Pathophysiology and Psychology related to Pregnancy, menopause and ageing in women. The program delivers in depth knowledge and skill to evaluate, plan and deliver appropriate physiotherapy for women in different age groups based on their physical needs.

ELIGIBILITY:

- (a) Candidates should possess Bachelor of Physiotherapy Degree (Full-time) awarded by any recognised University and completed 6 months of internship on or before 30.06.2016.
- (b) Candidates belonging to any State/Union Territory in India only are eligible to apply for Interview.

MODE OF SELECTION:

- (a) Selection will be made on the basis of the marks secured by the candidates in the Interview. Intimation letters will be sent to the candidates provisionally selected for admission. Speciality allotment will be made through counselling in the order of merit.
- (b) In case of candidates who secure the same marks in the Interview, ranking will be made based on their academic performance from First year to Final year in the qualifying examination prescribed for admission.
- (c) Results will be published in the University Notice Board and also in the University website **www.sriramachandra.edu.in**

M.Sc. (MEDICAL ANATOMY) DEGREE COURSE

INTRODUCTION:

The Department of Anatomy of Sri Ramachandra Medical College and Research Institute offers a three year M.Sc. (Medical Anatomy) Degree course in the Faculty of Medicine. This course was introduced in the year 2006-07.

The course provides training in various fields of human anatomy and aims at helping the students reach higher levels of excellence in teaching and research in Medical colleges, Dental colleges and Research institutes. On successful completion of the course, the student will be highly preferred for a bright career as a faculty or a research scholar in various emerging fields of Health sciences, Dentistry, Cytogenetics, Cell-Biology, Stem-cell research, Organ transplantation, Physiotherapy, Occupational therapy, Speech therapy, Optometry, Anthropology and Alternate systems of Medicine in India and abroad. The turn of the 21st Century is witnessing, great strides of development in the above fields. There is an increasing demand for trained faculty in Anatomy in research and development centres. This Postgraduate degree provides good scope for the candidates to work as research fellow in the fields of medicine. Opportunities to pursue this course is sought by many avid and ambitious students as they are aware of the great future that is in store for them.

OBJECTIVES:

On completion of the M.Sc. (Medical Anatomy) Degree course, the student will be able to demonstrate the necessary knowledge and competency to comprehend Topographical anatomy, Developmental anatomy, Surgical anatomy, Comparative anatomy, Forensic anatomy, Histology, Neurobiology, Basic human Pathology, Anatomical techniques, Anthropology, Cytogenetics and recent advances in Medical Imaging and Nuclear Medicine.

HIGHLIGHTS OF THE COURSE:

The M.Sc. (Medical Anatomy) Degree course is well-structured. It includes didactic lectures, practical teaching and learning, small group discussions, seminars, symposia, journal clubs, clinical postings, scientific workshops, scientific paper presentations in the National and International conferences, project work and dissertation work. Further the students will also be given training in the field of Research Methodology, Biostatistics and Computer application. The Masters programme in Anatomy attracts science graduates of high caliber from all over the country and abroad.

ELIGIBILITY:

- (a) Candidates should possess MBBS/BDS/B.P.T./B.Sc. Allied Health Sciences/Emergency & Trauma Care Technology/Zoology/Botany/Chemistry/Life Sciences/Biosciences/Medical Laboratory Technology/Bachelor of Unani Medical Sciences (BUMS)/Bachelor of Ayurvedic Medical Sciences (BAMS)/Bachelor of Homeopathy Medical Sciences (BHMS)/Bachelor of Siddha Medical Sciences (BSMS) Degree awarded by any recognised University.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-

- (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that “the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of Degree course held/to be held in 2016”; and
 - (ii) they should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016
 - (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of counselling in case of their provisional selection for admission.
 - (iv) In respect of professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.Sc. (MEDICAL PHYSIOLOGY) DEGREE COURSE

INTRODUCTION :

The Department of Physiology of Sri Ramachandra Medical College and Research Institute offers a three year M.Sc. (Medical Physiology) Degree course in the Faculty of Medicine. This course was introduced in the year 2006-07.

The course provides in-depth understanding of how the human body works normally. As new drugs are introduced, novel diagnostic and interventional techniques are developed and a better understanding is obtained of how the genome alters function, it is more and more critical for the present day medical students to understand the principles of both normal and abnormal functions of the body. This course provides an opportunity to explore some topics in greater depth, discuss difficult areas informally, and help them with written work and oral presentations.

OBJECTIVES:

The major objective of M.Sc. (Medical Physiology) Degree course is to enable the candidate to understand the basis of normal functioning of the human body and to acquire knowledge about its applications in medicine and to become an effective member of the teaching team. To be very specific, the objectives are:

- „ To demonstrate comprehensive understanding of Physiology
- „ To develop skills as a self-directed learner, recognise the need for continuing education and select and use appropriate learning resources
- „ To teach undergraduates and postgraduates in Physiology
- „ To plan and conduct research
- „ To organize and equip physiology laboratories
- „ To design, fabricate and use indigenous gadgets for experimental purposes
- „ To function as an effective member of teaching team or Research team; and
- „ To demonstrate competence in basic concepts of research methodology and be able to critically analyse relevant published research literature.

METHODOLOGY:

The course is implemented with both traditional and modern techniques such as didactic lectures, seminars, journal club, research work, clinical training and practical experiments (Haematology, clinical, amphibian & mammalian). Problem based and case-based learning sessions in different topics in Physiology will be conducted and possibly this will be of more use for those interested in moving from one form of teaching to the other.

The Department of Physiology with adequate, competent and enthusiastic faculty members with vast experience in teaching and research encourages students to attend and present papers in National and International conferences.

OPPORTUNITIES:

- „ To become a teacher in Physiology for Medical and any Paramedical course.
- „ To plan independently and structure scientific research.

FACILITIES AVAILABLE:

Lecture Hall: The Lecture theatre is air conditioned and equipped with LCD projector and a public addressing system.

Tutorial Halls: There are three tutorial halls with facilities like Over Head Projector, Slide Projector, amplifier, Speakers, Mikes and Audio Visual Aid, 35mm Auto projector, and in addition charts, models etc.

Clinical laboratory is used for the performance of the clinical experiments, which forms a substantial part of the preclinical laboratory curriculum. It is equipped with the Benedict Roth apparatus, Spirometer, Ergograph, Stethograph and all other equipments required for routine practicals.

Amphibian laboratory is used for the demonstration of haematology experiments.

Mammalian laboratory is equipped for the demonstration of mammalian experiments. The postgraduate laboratory is also equipped with Organ baths, Langendorff apparatus, Long paper kymograph etc.

Research laboratory is equipped with 8 Channel Polygraph, Physiograph, Computerized Med Spir, Stereotaxic instruments, pH meter, Colorimeter, UV-Vis spectrophotometer etc.

Library of the department has textbooks, reference books and journals needed for the students. There is also central library with a large collection for the use of all staff and students.

ELIGIBILITY:

- (a) Candidates should possess MBBS/BDS/B.Sc. Allied Health Sciences/Emergency and Trauma Care Technology/Zoology/Nutrition/B.P.T. and other para medical courses/Bachelor of Siddha Medical Sciences (BSMS)/Bachelor of Unani Medical Sciences (BUMS)/Bachelor of Ayurvedic Medical Sciences (BAMS)/Bachelor of Homeopathy Medical Sciences (BHMS) Degree awarded by any recognised University.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-
 - (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that "the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of Degree course held/to be held in 2016"; and
 - (ii) they should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
 - (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of admission.
 - (iv) In respect of professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.Sc. (MEDICAL BIOCHEMISTRY) DEGREE COURSE

INTRODUCTION:

The Department of Biochemistry of Sri Ramachandra Medical College and Research Institute offers a three year M.Sc. (Medical Biochemistry) Degree course in the Faculty of Medicine. This course was introduced in the year 2006-07.

OBJECTIVES:

- „ To provide extensive training in General Biochemistry, Clinical Biochemistry and Molecular Biology.
- „ To develop dynamic and resourceful professionals with expertise in various areas of Biochemistry such as Molecular Basis of disease, Signal transduction, advanced clinical Biochemistry, Proteomics and Genomics etc.
- „ To provide an extensive training in practical procedures to make the students well versed in various advanced techniques.
- „ To impart skills in Clinical Biochemistry by hands-on-training in advanced Biochemical equipments.
- „ To provide training to plan and execute research projects.
- „ On successful completion of the course, a student will be able to acquire position in teaching Biochemistry for Undergraduates and Postgraduates, acquire position in Research Laboratories in India and abroad, become trained clinical biochemist, with exposure to various state-of-the-art instruments and techniques; organize and equip Biochemistry laboratories in institutions and function as efficient member in all aspects of teaching, diagnosis, and research.

METHODOLOGY:

The Department employs a variety of methods of teaching such as lectures, tutorials, assignments, seminars, group discussions, case presentations, journal club, practical sessions, demonstrations, horizontal and vertical integration, periodical internal assessments, training for basic teaching skills and exposure to research work and workshops.

FACILITIES AVAILABLE:

The Biochemistry Department is well equipped with sophisticated instruments in clinical and research lab for Postgraduate study. The Clinical Biochemistry Department is equipped with the state-of-the-art fully automated instruments such as Kone lab, Dade Behring dimension-RXL, Abottaxsym, ACS Sebia electrophoresis etc. The research lab is equipped with spectrophotometer, ELISA, PCR, pH Meter, Electronic balance and electrophoretic setup. There is an Air conditioned Active Learning Center with 50 Computers, Internet connectivity and LCD facilities.

ELIGIBILITY :

- (a) Candidates should possess MBBS/BDS/B.P.T./B.Sc. Allied Health Sciences/Emergency & Trauma Care Technology/Biochemistry/Chemistry/Zoology/Botany/Nutrition/Medical Laboratory Technology/Bachelor of Siddha Medical Sciences (BSMS)/Bachelor of Unani Medical Sciences (BUMS)/Bachelor of Ayurvedic Medical Sciences (BAMS)/Bachelor of Homeopathy Medical Sciences (BHMS) Degree awarded by any recognised University.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-
 - (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that “the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of Degree course held/to be held in 2016”; and
 - (ii) they should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
 - (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of admission.
 - (iv) In respect of professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.Sc. (MEDICAL MICROBIOLOGY AND APPLIED MOLECULAR BIOLOGY) DEGREE COURSE

INTRODUCTION:

The Department of Microbiology of Sri Ramachandra Medical College and Research Institute offers a three year M.Sc. (Medical Microbiology and Applied Molecular Biology) Degree course in the Faculty of Medicine. This course was introduced in the year 2006-07.

The Department of Microbiology carries out both academic and diagnostic activities. It has teaching programmes at the undergraduate and postgraduate levels.

The designing of the curriculum and the training provided to the students enable them perform on par with those from other reputed institutions.

Efforts are made to make teaching more effective with multimedia projection with animations, problem based learning and interactive sessions.

The students are briefed on the syllabus, teaching schedule and the internal assessment programme which consists of tests in theory, practicals and viva.

The students are encouraged to give a feedback on the course, teaching modalities and competency of the faculty which helps in improving the quality of the programmes. The parent-teacher meet, and observation of the peer group are also taken into consideration in redesigning of the programmes.

The diagnostic facility attached to the central laboratory, caters to the needs of the inpatients and outpatients of SRMC. Apart from the conventional techniques, semi automated systems have already been introduced. The Department is equipped with facilities for carrying out PCR. A virology section has also been established.

In addition to the teaching and diagnostic work, many of the faculty are also engaged in research and are updating their knowledge by attending conferences, workshops and CME programmes.

ELIGIBILITY:

- (a) Candidates should possess MBBS/BDS/B.Sc.Allied Health Sciences/Emergency & Trauma Care Technology/Microbiology/Zoology/Home Science/Medical Laboratory Technology/Bachelor of Siddha Medical Sciences (BSMS)/Bachelor of Unani Medical Sciences (BUMS)/Bachelor of Ayurvedic Medical Sciences (BAMS)/Bachelor of Homeopathy Medical Sciences (BHMS) Degree awarded by any recognised University.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-
 - (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that "the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of Degree course held/to be held in 2016"; and

- (ii) they should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
 - (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of admission.
 - (iv) In respect of professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.Sc. (MEDICAL LABORATORY TECHNOLOGY) DEGREE COURSE

INTRODUCTION:

Faculty of Allied Health Sciences of Sri Ramachandra University offers a two year M.Sc. (Medical Laboratory Technology) Degree course. This course was introduced in the year 2004-05.

There is a need at the national level for graduates with high level of knowledge and practical skills in hospitals and community-based medical laboratories.

The programme is designed to provide knowledge and update the application of biological and chemical science to the disciplines practised in medical diagnostic and research laboratories.

OBJECTIVES:

- „ To increase the student’s technical competence in laboratory technology;
- „ To develop an approach to research procedures and understand the importance of property defining research problems
- „ To provide a working background in scientific writing and data management.
- „ To increase the student’s awareness and knowledge of new laboratory-related technologies.
- „ To prepare the student for contribution into an appropriate Ph.D. program if desired.

JOB OPPORTUNITIES:

On successful completion of the programme, the students will have a wide range of career opportunity in teaching, administration of labs, research projects, genetic engineering, industrial firms, diagnostic companies, quality control programs, pharmaceutical and food science industries, and other allied areas, such as biomedical research and the laboratory supply industry.

ELIGIBILITY:

- (a) Candidates should possess B.Sc. Allied Health Sciences/Medical Laboratory Technology/ Biochemistry/Microbiology/Biotechnology/Genetics Degree or any other equivalent qualification awarded by any recognised University.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-
 - (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that “the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of Degree course held/to be held in 2016”; and

- (ii) they should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
 - (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of admission.
 - (iv) In respect of professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.Sc. (NEUROSCIENCE) DEGREE COURSE

INTRODUCTION:

Faculty of Allied Health Sciences, a constituent college of Sri Ramachandra University offers a two year M.Sc. (Neuroscience) Degree course. This course was introduced in the year 2004-05.

There is a need at the national level for graduates with high level of knowledge and practical skill in all areas of clinical neuroscience.

The programme is designed to provide knowledge and update the technical skills required to undertake clinical and research work in the field of Neuroscience.

OBJECTIVES:

- „ To train graduates in basic scientific principles of modern neuroscience and in the application of these principles to the understanding of wide variety of neurological disorders.
- „ To enhance the scientific skills of clinicians and to provide non-clinical graduates with insight into clinical problems that will allow them to work along with clinicians in clinical research projects. Emphasis is placed on recording and interpretation of EEG, EMG, Evoked Potentials and Imaging techniques.
- „ To provide experience and exposure to contemporary techniques used in Neuroscience research. A thorough understanding of the methods and ethos of laboratory research including the design and planning of experiments data presentation, analysis and interpretation, literature searching and laboratory safety.
- „ To provide training and practice in analysis and oral presentation of scientific data and research papers.

JOB OPPORTUNITIES:

On successful completion of the course, the students will have a wide range of career opportunities in the field of neuroscience as Lecturer, Research scholar, Clinical and Project Coordinator and Laboratory Manager.

ELIGIBILITY:

- (a) Candidates should possess MBBS/BDS/B.V.Sc./B.Sc.Allied Health Sciences/B.P.T./B.Pharm/B.O.T/BSLHS/BASLP/B.Sc.(Nursing)/BS Physician Assistant Degree or any other degree in medical sciences awarded by any recognized University.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-
 - (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying

that “the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of Degree course held/to be held in 2016”; and

- (ii) they should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
 - (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of admission.
 - (iv) In respect of professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.Sc. (MEDICAL IMAGING TECHNOLOGY) DEGREE COURSE

INTRODUCTION:

Faculty of Allied Health Sciences of Sri Ramachandra University offers a two year M.Sc. (Medical Imaging Technology) Degree course. This course was introduced in the year 2006-07.

There is a need at the national level for graduates with advanced knowledge in imaging principles, procedures in the field of radio diagnosis.

The programme is designed to provide a detailed knowledge and update the technical skills required to undertake recent trends and various radiological procedures in the field of Imaging sciences.

OBJECTIVES:

- „ To train the students in Imaging field which will be useful to the teaching Institution and Medical Imaging Industry. Emphasis is placed on scientific skills and knowledge in Conventional X-rays, Fluoroscopy, Ultrasound, Colour Doppler, CT Scan, Cardiac CT, Workstation MRI, Functional MRI, DSA, Nuclear Medicine and recent advances in imaging field.
- „ To provide experience and exposure to contemporary techniques used in Imaging Sciences and Research.

JOB OPPORTUNITIES:

On successful completion of the course, the students will have a wide range of career opportunity in the field of Imaging sciences as Radiology Instructors, Application Specialist, Junior Radiographers, Physicist and Research scholar.

ELIGIBILITY:

- (a) Candidates should possess B.Sc. Degree in Allied Health Sciences in the speciality of Radiology and Imaging Sciences/B.Sc. Medical Imaging Technology/Radiography/ Science graduates with Two-year Diploma in Radiography/Science graduates with CRA/PG Diploma in Radiology and Imaging Technology awarded by any recognised University.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-
 - (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that “the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of Degree course held/to be held in 2016”; and
 - (ii) they should submit a photocopy of the Final year/semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.

- (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of counselling in case of their provisional selection for admission.
 - (iv) In respect of professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.Sc. (RENAL SCIENCES & DIALYSIS TECHNOLOGY) DEGREE COURSE

INTRODUCTION:

Faculty of Allied Health Sciences of Sri Ramachandra University offers a two year M.Sc. (Renal Sciences and Dialysis Technology) Degree course. This course was introduced in the year 2006-07.

There is a need at the national level for graduates with high level of knowledge and practical skill in all areas of renal sciences and dialysis management.

The programme is designed to provide a challenging and innovative postgraduate curriculum which equips students with higher levels of knowledge, competence and attitudes appropriate to the effective and empathetic practice of renal sciences.

Awareness and understanding of professional responsibilities including the delivery of the highest possible standard of clinical care.

OBJECTIVES:

- „ To understand the principles of renal dialysis. Emphasis is placed on the procedure for the performance of renal dialysis includes the technical aspects of preparing, operating, monitoring and maintaining dialysis equipment. Management of dialysis equipment, which includes equipment evaluation, acceptance testing, installations, planned maintenance, calibration, repair, modifications and inventory management.
- „ To work within a multidisciplinary team, both in the hospital and within the community, and have a vital role in communicating with the nephrology patients' needs.
- „ To Initiate, promote and conduct research in renal care and disseminate the results.
- „ To increase the awareness and understanding of professional responsibilities including the delivery of the highest possible standard of clinical care.
- „ To prepare the students for continuation into an appropriate Ph.D. program if desired.

JOB OPPORTUNITIES:

On successful completion of the course, the students will have a wide range of career opportunities in the field of renal sciences and dialysis technology as Transplant Co-ordinator, Haemodialysis manager, Peritoneal dialysis manager, Lecturer, Research scholar, Clinical and project administrator.

ELIGIBILITY:

- (a) Candidates should possess MBBS/BDS/B.V.Sc./ B.Sc. (Allied Health Sciences)/ B.Sc. (Nursing) Degree awarded by any recognised University.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-

- (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that “the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of Degree course held/to be held in 2016”; and
 - (ii) they should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
 - (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of counselling in case of their provisional selection for admission.
 - (iv) In respect of professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.Sc. (HUMAN GENETICS) DEGREE COURSE

INTRODUCTION:

Genetics has emerged as the dominant force in biology, medicine, and research during the past century and its power and utility have accelerated in recent years. The dominance of genetics stems from its central importance in explaining the most basic mysteries of life and its unsurpassed methods of analysis that allow one to elucidate function and mechanisms in virtually every area of biology.

SALIENT FEATURES:

The Department of Human Genetics in the University offers programmes and research at both the masters and doctoral levels, aiming at providing students with a comprehensive view of the wide field of modern Human Genetics. The M.Sc. (Human Genetics) Degree program is unique that it places emphasis on Human Genetics, while providing strong background in all aspects of genetics.

Training in Human Genetics the University encompasses the full spectrum of genetics from the molecular to the population level, with emphasis towards Cytogenetics, Molecular Genetics, Prenatal Diagnosis, Immunogenetics, Radiation Genetics, Cancer Biology, Pharmacogenetics with Biomathematics, Cell biology, Biochemistry and Biophysics to strengthen the fundamentals.

DEPARTMENT OF HUMAN GENETICS:

The Department of Human Genetics was established in 1998. The various state-of-the-art facilities in the Department include well equipped Tissue culture Laboratories, Hybridoma Lab, Cytogenetic laboratory (Image Analysis system), Molecular Genetics laboratory (PCR, Gel Documentation system), ELISA readers, Low pressure chromatography system, Fluorescence microscope, Central Animal Facility etc. The Department is involved in three different activities viz., academics, diagnostics and research. The department has been approved by the Government of Tamil Nadu to carry out genetic studies & prenatal diagnosis using biochemical, cytogenetic and molecular methods. Atomic Energy Regulatory Board (AERB) has accredited the Biodosimetry lab of the Department of Human Genetics for assessment of personnel radiation exposure and related studies.

DOCTORAL PROGRAM:

Research is conducted in a wide range of sub-disciplines in genetics, as well as in numerous related areas of the biological and biomedical sciences. The key research areas of the Genetics Department is optimizing cancer treatment, biodosimetry, carcinogenesis prostate and leukaemia, monoclonal antibodies production for cancer detection, understanding the molecular mechanism(s) of diabetes, cancer and HLA typing. The research activities of the department are funded by various agencies like Atomic Energy Regulatory Board (AERB), Council for Scientific and Industrial Research (CSIR), Defence Research Development Organisation (DRDO) and Diabetics Research Centre (DRC).

PLACEMENT SERVICES:

In the campus, job placement service is open throughout the year. The last 13 batches of students of this course have either opted to take up higher education (Ph.D. programs) in national and International Institutes and others have found placements in Universities, Research and Diagnostic Laboratories, Hospitals, Genetic Counselling Clinics, in Vitro Fertilization Centres and R & D divisions of reputed Pharmaceutical companies.

ELIGIBILITY:

- (a) The Candidates should possess B.Sc. Degree in the branch of Biology/Life Sciences/ Agriculture/Biotechnology/Biochemistry/Botany/Genetics/Microbiology/Zoology/Allied Health Sciences/B. Pharm./B.Sc. (Biomedical Sciences)/B.Sc. (Emergency & Trauma Care Technology) awarded by any recognised University. Candidates with M.B.B.S./B.D.S./ B.Tech. (Biotechnology) and B.V.Sc. Degree from a recognised University are also eligible.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-
 - (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that “the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of theDegree course held/to be held in 2016”; and
 - (ii) they should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
 - (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of counselling in case of their provisional selection for admission.
 - (iv) In respect of Professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.Sc. (BIOTECHNOLOGY) DEGREE COURSE

INTRODUCTION:

Biotechnology is defined as the use of natural or genetically modified biological entities or their products for the benefit of all forms of life. This branch of applied science is interdisciplinary drawing its strength from a plethora of basic sciences such as chemistry, physics, mathematics, biochemistry, microbiology, plant and animal biology, immunology, molecular biology, environmental sciences and many others. In fact, the use of molecular biology tools and bioinformatics by a scientist in any area of their study be it medicine, dentistry, physical, chemical, environmental or life sciences is described as a biotechnological application. Biotechnology therefore offers more excitement to the discovery of nature and endeavours to lift science into realms of professional excellence.

SALIENT FEATURES:

The postgraduate degree program is offered by the Department of Biotechnology. The duration of M.Sc. (Biotechnology) Degree Course is of two academic years comprising four semesters which includes project work / dissertation to be submitted under the guidance of a faculty member of the department of Biotechnology. Fourteen different subjects and a dissertation carried out with an independent project are offered. Each paper carries a theory and a practical component.

The department provides access to multimedia presentations and internet based computers for seminars, paper presentations and workshops. Opportunities to participate and present their research at national and international symposia are available to motivated students. All these help our students to become confident and 'employable' in any Biotechnology industry be it teaching, research or production company.

PRACTICAL TRAINING:

The rigorous curriculum and practical component for each paper along with an independent project are important features that make the student competent in biotechnology. Over 280 hours of lab component in each semester is imparted to the students to help them become independent scientists. Two independent PG teaching Labs, well equipped with required instruments and a research lab are important assets in our individualized training Program.

Apart from our own faculty, students receive lectures and practical training from other departments such as Human Genetics, Pathology, Blood Bank, Microbiology, Dental College, College of Pharmacy and other outside experts. This aspect of our training has attracted students who are seriously inclined to take up higher studies or research positions in biotechnology companies / Institutes. These students are also equipped to compete in national level selection examinations such as GATE, CSIR-UGC NET, JNCASR, ICMR entrance or internationally (GRE/TOEFL).

Students completing the course find attractive opportunities in research positions, teaching, bioinformatics companies, medical research groups, diagnostic companies, biotechnology companies, pharmaceutical companies, environmental groups and many others.

ELIGIBILITY:

- (a) Candidates should possess:
 - (i) B.Sc. in Life Sciences (Botany, Zoology, Integrated Life Science, Biochemistry, Microbiology, Biotechnology and Nutrition)
 - (ii) B.Sc. in Physical Sciences including Mathematics and Computer Science
 - (iii) Bachelor of Pharmacy, B.Sc. (Allied Health Sciences)/B.Sc. (Emergency & Trauma Care Technology)
 - (iv) M.B.B.S./B.D.S./B.V.Sc.
 - (v) B.P.T./B.Sc. (Nursing)/B.A.S.L.P./B.S.L.H.S.
 - (vi) B.Sc. (Human Genetics)/B.Sc. (Biomedical Sciences)
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-
 - (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that “the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of theDegree course held/to be held in 2016”; and
 - (ii) they should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
 - (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of counseling in case of their provisional selection for admission.
 - (iv) In respect of Professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.Sc. (MEDICAL BIOINFORMATICS) DEGREE COURSE

INTRODUCTION:

Bioinformatics is a scientific discipline that applies computing science / information technology to help understand biological processes. It combines computer science with molecular biology and other related subjects using the principles and methods of mathematics, statistics and other medical specialities. Computers are used to gather, store, analyse and integrate biological and genomic information which can then be applied to gene-based drug discovery, development and other relevant areas.

Recent years have seen an explosive growth in biological genomic data. It can also be managed and stored for various purposes such as medical, pharmaceutical, agriculture, etc. For the student who thrills at being on the cutting edge of science, with the skills to excel in two different worlds, bioinformatics can offer an exciting and rewarding career.

SALIENT FEATURES:

The Department of Bioinformatics in the University offers a Two Year M.Sc. (Medical Bioinformatics) Degree Course under credit system. The major objective of M.Sc. (Medical Bioinformatics) Degree program is to train the students in the ever burgeoning field of bioinformatics by exposing them to the concepts and various methods of computing, genomics, proteomics and drug discovery. These students will be in a position to fill the demand created for addressing the need for human genomic studies and diseases. The course consists of lectures, practical classes, educational visits and project work. Our multi-disciplinary approach will nurture creativity and visualization of the students, develop innovation and inculcate the habit of continuous learning in them.

The Department of Bioinformatics is provided with state-of-the-art facilities which include IBM servers and 50 PCs with specific softwares used in Bioinformatics, wet laboratory with sophisticated equipments and library provided with the latest international text books, e-books, journals and magazines on bioinformatics.

ELIGIBILITY:

- (a) Candidates should possess Bachelor's degree (Engineering - Biomedical, Electronics & Communication and Information Technology/Life Sciences/Medical Sciences/Dental/Pharmaceutics/ Allied Health Sciences) having Chemistry/Mathematical/Physical Sciences/Botany/Zoology/ Biochemistry/Molecular Biology/Biotechnology/Bioinformatics/Medical Informatics/Computer Sciences/Pharmacology/Pharmacy/Veterinary and Fisheries and other relevant/equivalent qualification in the respective areas are eligible.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-

- (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that “the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of theDegree course held/to be held in 2016”; and
 - (ii) they should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
 - (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of counselling in case of their provisional selection for admission.
 - (iv) In respect of Professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.Sc. (CLINICAL NUTRITION) DEGREE COURSE

INTRODUCTION:

With medical nutrition therapy gaining popularity and realising its importance, Department of Nutrition and Dietetics was started in the year 1988 and it was rechristened in 1995 as the Department of Clinical Nutrition.

The Department offers a two year Master's Degree Program in Clinical Nutrition, designed to enhance the skills of those who wish to expand their understanding of human and medical nutrition and develop critical evaluation skills through integration of nutrition and management research. The programme enables students to get hands-on-training in hospital, clinical and community nutrition in close association with clinicians.

OBJECTIVES:

Nutrition and nutritional care have gained wide clinical and scientific interest during the past decades. The increasing knowledge of metabolic disturbances and nutritional assessment in chronic and acute diseases has stimulated rapid advances in design, development and clinical application of nutritional support. The aims of M.Sc. (Clinical Nutrition) course are to provide the rapid diffusion of knowledge and its application in the field of Clinical Nutrition and Metabolism.

The course will empower the professional seeking to meet increasing patient demand by incorporating practical nutrition applications, including enteral and parenteral nutrition support techniques, into existing preventive options. The program offers rich clinical and didactic instruction and field experience.

THE ACTIVITIES OF THE DEPARTMENT:

Academic: The department is actively involved in imparting nutrition knowledge to various medical and paramedical personnel.

Research: The potential for research and documentation in this field is very high and the department's endeavour is to engage itself in documentation of management modalities and delineate inter-relationship between Indian Dietaries and health and disease.

Counselling: The Primary focus of the department is the screening, assessment and counselling of all patients admitted in the hospital. The staff closely coordinates with the diet kitchen to present the right kind of diet for their patients.

Diet Kitchen: The diet kitchen provides one of the best food service facilities for the largest multi-speciality tertiary care referral centre falling in line with the medical nutrition therapy advised.

Continuing Nutrition Education Programmes are an integral part of the almanac. Such programmes give an opportunity to get acquainted with the latest advancements in the field of nutrition and dietetics.

HIGHLIGHTS OF THIS COURSE:

- Credit Based Semester System with 96 credits.
- Specialisations in the field of interest
- Clinical Postings, Hands-on-training
- Advanced Medical Nutrition therapy
- Sports Nutrition Interaction with all medical and paramedical personnel involved in patient care
- Clinical Case Discussions, Journal clubs & Seminars
- Dissertation.

CAREER OPTIONS:

This course equips the students with a sound clinical knowledge and excellent counselling skills in Clinical Nutrition field. On completion of this course, the following career options are available:-

- i. **Dietitian/nutritionist:** At hospitals, nursing homes, fitness centers, corporate companies, food industries, hotels and restaurants.
- ii. **Faculty:** With an interest in teaching, a candidate may opt to work as faculty for teaching in Colleges and Universities, Nursing Schools and in teaching hospitals.
- iii. **Research & Development Areas:** As research assistant in research institution.

2) ELIGIBILITY:

- (a) Candidates must possess B.Sc. Nutrition and Dietetics/B.Sc. Clinical Nutrition/B.Sc. Nutrition, Food Service Management & Dietetics/PG Diploma in Nutrition & Dietetics/PG Diploma in Clinical Nutrition awarded by any recognised University.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-
 - (i) They should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that “the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of theDegree course held/to be held in 2016”; and
 - (ii) They should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
 - (iii) They must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of counseling in case of their provisional selection for admission.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.Sc. (TRAUMA CARE MANAGEMENT) DEGREE COURSE

INTRODUCTION:

For the first time in India, course including one year internship leading to B.Sc. Emergency and Trauma Care Technology has been introduced in our University. In order to provide vertical mobility and these graduates the Master's degree is now offered. This is a two year course.

Emergency and Trauma Care Technologies are members of the emergency medical care team who use their knowledge and skills to provide basic and advanced life support to seriously ill or injured patients before these patients reach the hospital. They are involved in patient rescue and enable their safe transport by ambulance to appropriate medical centre.

ELIGIBILITY:

- (a) Candidates should possess B.Sc. Emergency and Trauma Care Technology of Sri Ramachandra University or of any other recognised University.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-
 - (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that "the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of theDegree course held/to be held in 2016"; and
 - (ii) they should submit a photocopy of the Final year/semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
 - (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of counselling in case of their provisional selection for admission.
 - (iv) In respect of Professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

**M.Sc. (INDUSTRIAL HYGIENE AND SAFETY) DEGREE COURSE
(3 year - part time)**

INTRODUCTION:

The M.Sc. (Industrial Hygiene and Safety) Degree course is introduced in response to the growing awareness among industries for the need to employ qualified professionals to assess and manage work-related health risks. The course has been designed as a 3-year part time programme. The programme structure allows the students to enrol even while they are employed for enhancing their knowledge in order to apply in their respective workplaces. The students require a minimum of 80% of attendance per semester. The programme can be completed within a period of up to 6 years.

OBJECTIVE:

The course prepares the students to anticipate, recognize, evaluate and control work-related hazards, unsafe acts and conditions that may cause injury, illness, disease, or discomfort to the employees.

ELIGIBILITY:

- (a) Candidates should possess B.E. / B.Tech / B.Sc. (Physics or Chemistry or Mathematics as Major or Allied subject) of recognised degree are eligible.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-
 - (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that “the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of theDegree course held/to be held in 2016”; and
 - (ii) they should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
 - (iii) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of counseling in case of their provisional selection for admission.
 - (iv) In respect of Professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

M.P.H. (OCCUPATIONAL AND ENVIRONMENTAL HEALTH) DEGREE COURSE

INTRODUCTION:

The Masters in Public Health in Occupational and Environmental Health is aimed at training students to become efficient and effective Occupational and Environmental Health professionals with leadership qualities, knowledge and skills. The focus of the programme is to ensure that student's competences in understanding of issues related to occupational and environmental health prevailing at different work and environmental settings are enhanced and that these skills are put into practice in diverse situations in the field. The course also aims at enhancing the research and analytical skills to an advanced level that would facilitate students to design and conduct quality research studies in the area of occupational and environmental health. The programme is hence designed to give an intensive training to enable students to identify, define and measure different parameters of occupational and environmental health, collect relevant data, effectively analyse data using appropriate statistical methods, have critical thinking, scientifically interpret information, describe the interrelationships of scientific, economic political, social, ethical, cultural and personal interaction with issues and concerns of occupational and environment health.

SCOPE:

The graduates of this course will be in a position to fill the demand for occupational and environmental health professionals in both Professional organizations and Academic organizations under public and private sectors (for profit, non-profit organizations, research institutions, academic institutions, consultancy services, international organizations, etc.)

ELIGIBILITY FOR ADMISSION:

- (a) A candidate desiring to join the two year degree program leading to the Master in Public Health (MPH) Degree Course in Occupational and Environmental Health should have passed the MBBS BDS/B.Tech/BE/Bachelors degree in Health Sciences, Chemistry, Zoology, Botany and Environmental Sciences or its equivalent qualification awarded by any recognized University. However, in the case of those holding a Bachelors' degree of three year duration, two year experience is required.
- (b) Candidates appearing for the final year examination of the above mentioned Degree Course during April/May 2016 are also eligible to apply, subject to the condition that:-
 - (i) they should enclose photocopy of the Hall Ticket issued by the University concerned or a certificate from the Head of the Institution in which they are studying, certifying that "the candidate Mr./Ms..... is/was studying in the College and he/she has appeared/is to appear for the final examination of theDegree course held/to be held in 2016"; and

- (ii) they should submit a photocopy of the Final year/Final semester mark statement(s) immediately on its receipt to this University either in person or by speed post/courier service on or before 30.06.2016.
- (ii) In respect of Professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (c) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

NUMBER OF SEATS:

Total number of seats is 10 per academic year. Of the total number of 10 seats for the MPH Degree course, 3 seats are earmarked for sponsored candidates from Industry/Government. All the candidates including the sponsored candidates will have to appear for the Interview. Separate merit list will be prepared for the directly applied candidates and the sponsored candidates and the selection would be made on the order of merit.

M.Sc. (CLINICAL EMBRYOLOGY) DEGREE COURSE

INTRODUCTION:

Reproductive medicine is a dynamic and challenging area of clinical medicine. Despite the concern of our growing population, the number of infertile patients is on the rise globally and the demand for practitioners in this area is also on the rise. Unlike most of the other fields, clinical embryology is distinctive because majority of the work is laboratory driven. Unfortunately the number of universities offering a structured masters course in such a dynamic area of medicine is very minimal at both the national and international level. Hence there is acute need to develop such a programme to impart students with the academic and practical knowledge necessary to practice this exciting field of medicine.

Sri Ramachandra Medical College and University has an active ART programme running successfully for the past 11 years and the first University to start the DM Reproductive Medicine course recognized by the MCI in India, and it is a logical extension of the department to start a master's programme in clinical embryology to train students in assisted reproductive technologies.

On completing the course, students will be able to find suitable opportunities in ART clinics, research laboratories, teaching institutions and pharmaceutical industries. The syllabus formulated for the course by the university is in accordance with European and American societies of reproductive medicine and graduates on completion of this course will be at par with national and international standards in clinical embryology.

ELIGIBILITY

- (a) Candidates should possess recognized MBBS Degree examination and have completed Internship (CRR) and have registered his/ her name with anyone of the State Medical Council. Candidates possessing higher qualifications i.e. DGO/ MD (Obstetrics & Gynaecology)/ MS (Obstetrics & Gynaecology) are also eligible.

Please ensure whether the following certificates (photocopy and other specified items) have been enclosed along with the Application Form duly filled-in :-

- i) MBBS Degree Course Statement of Marks pertaining from First year to Final year;
- ii) Consolidated Statement of Marks;
- iii) Attempt Certificate (First year to Final year);
- iv) MBBS Provisional Pass Certificate - I/II or Degree Certificate;
- v) Internship Certificate;
- vi) Community Certificate / Birth Certificate;
- vii) State Medical Council's Permanent Registration Certificate;
- viii) Transfer Certificate/ Migration Certificate/HSC Mark Statement; and
- ix) Conduct Certificate issued by the Head of the Institution last studied.

- (b) they must produce Provisional Pass Certificate or Degree Certificate and other relevant documents required, at the time of counselling in case of their provisional selection for admission.
- (c) In respect of Professional courses, where the final exam is followed by internship, candidates should have completed prescribed internship on or before 30.06.2016.
- (d) There is no domicile restriction and therefore, candidates belonging to any State/Union Territory in India only are eligible to apply.

INSTRUCTIONS TO THE CANDIDATES

1. 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) If the application form is downloaded from the University's website, a demand draft for Rs.500/- (Rupees Five hundred only) drawn in favour of "**Sri Ramachandra University**" payable at Chennai towards the application fee.
- (c) Application will be rejected summarily if incomplete or sent without enclosing the relevant certificates and demand draft as mentioned in clause 1(b) above.

2. SELF ATTESTED CERTIFICATES TO BE ENCLOSED:

Self attested photocopy of the following certificates should be enclosed with the Entrance Examination Application Form :

- (i) Degree Examination Mark Statements (First year to Final year);
- (ii) Provisional Pass Certificate/Degree Certificate;
- (iii) Transfer Certificate/Migration Certificate;
- (iv) Conduct Certificate issued by the Head of the Institution where the candidate had last studied;
- (v) **Community Certificate in the case of SC/ST or BC/OBC candidates;** and
- (vi) Internship Certificate, if any

Note:

- (i) Photocopy of the certificates mentioned above must be enclosed without fail.
- (ii) In respect of the candidate who has appeared/to appear for Final year Degree examination, either photocopy of the hall ticket or a certificate from the Head of the Institution as specified under the heading ELIGIBILITY should be enclosed.

3. PHOTOGRAPH:

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 and Duplicate). The candidates should sign on the photographs affixed on the Interview Call Letters.

4. INTERVIEW CALL LETTER:

- (a) Interview Call Letter will be sent only to the eligible candidates on or before **27-06-2016 (Monday)**. 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 **02-07-2016 (Saturday)** in person from the University Office by producing his/her identity card 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.
- (e) they should submit a photocopy of the mark statement of qualifying degree from first to final year on or before 30.06.2016. and also provisional certificate, if available.

5. INTERVIEW CENTRE:

The Interview will be conducted at **Sri Ramachandra University**, Porur, Chennai - 600 116. The candidates have to appear for the Interview at their own expenses.

6. DATE OF INTERVIEW:

The Interview will be conducted on **04-07-2016 (Monday) & 05-07-2016 (Tuesday)** at 10.00 a.m. The candidates are advised to be at the Interview Centre an hour before the commencement of the Interview.

7. 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. Course allotment will be made through Interview in the order of merit.
- (b) Results will be published in the University Notice Board and selected candidates will be intimated individually through post.

8. 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 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 Sri Ramachandra 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.

9. 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 University office. Therefore, candidates are advised to keep with them enough number of attested photocopies of their certificates.

10. CHANGE OF NAME/DATE OF BIRTH:

The name and date of birth of candidates will be registered in the records of the University as given in their Provisional Pass or Degree Certificate / 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 Provisional Pass or Degree Certificate / Transfer Certificate at the time of receipt of the same.

Once admitted to a course of study in the University, date of birth as furnished in the HSC/School record of student and submitted to the University 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 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.

11. PAYMENT OF TUITION AND OTHER FEES

- i. Every student shall pay tuition fee and other fee, as prescribed by the 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 University account, will not be refunded or adjusted for any other purpose under any circumstance.

12. RULES FOR DISCONTINUANCE FROM COURSE OF STUDY

- i. 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 University account, such student shall not be entitled to any certificate including transfer certificate, mark sheets etc., to be issued by the University and to get back his/her original certificates deposited with the 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.

13. MEDICAL EXAMINATION:

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

14. CHECK LIST:

- (a) Please ensure whether the following certificates (**self attested photocopies only**) have been enclosed along with the Application Form duly filled-in :-
- (i) Degree Examination Mark Statements (First year to Final year);
 - (ii) Provisional Pass Certificate/Degree Certificate;
 - (iii) Transfer Certificate/Migration Certificate/Internship Certificate, if any
 - (iv) Conduct Certificate issued by the Head of the Institution where the candidate had last studied;
 - (v) If appeared/to appear for final year Degree examination, photocopy of the hall ticket or a certificate from the Head of the Institution; and
 - (vi) **Community Certificate in the case of SC/ST or BC/OBC candidates;** and
 - (vii) Internship Certificate and State Council's Registration Certificate, if applicable
- (b) Also ensure whether :-
- i. Your photograph has been pasted on the following pages of the application form:
 - Application form (front page)
 - Interview Call Letter (Original & Duplicate)
 - ii. If the application downloaded from the website, Demand Draft for **Rs.500/-**(Rupees Five hundred only) towards the application fee is enclosed.

15. LAST DATE:

- (a) Application Form duly filled in and securely fastened with the above mentioned enclosures may be delivered in person or sent by Registered Post / Speed Post / Courier Service to reach: **THE REGISTRAR, SRI RAMACHANDRA UNIVERSITY, Porur, Chennai - 600 116 on or before 15-06-2016 (Wednesday).**
- (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 15-06-2016 (Wednesday)** due to any reason, will be rejected summarily.
- (d) The 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