

facilitate research

Improvement in infrastructure facilities for research has been carried out two levels: a) Central facilities of Sophistication b) Strengthening of the departmental facilities across the university, for research c) strategies to meet the needs of researchers in emerging disciplines

(a) Central facilities:

Central Research Facility (CRF) established in a 25000 sq. ft area, at the cost of Rs. 30 crore excluding the civil infrastructure having:

(i) Sophisticated Instrumentation Laboratory (SIL) with equipments (PCRs, DNA-Sequencer, Ultracentrifuge, HPLC, GC, HPTLC, ICPMS, Flowcytometers, RIA-Scintillating counter, NMR, Confocal microscopy & Tissue culture facilities to carryout Genomics, Proteomics, Chromatography, Spectroscopy, Cell biology, Cell enumeration and immunology research.

(ii) Clinical trials division with State- of - art- infrastructure as per international and DCGI norms which is a FDA audited and DCGI-Registered facility.

(iii) An Epidemiology division to carry out any population research having all investigational, counseling and guidance and clinical management infrastructure.

(iv) Centre for Toxicology and Developmental Research (CEFT) established in 15000 sq. ft building as a fully air-conditioned, 70:30 an exchange HEPA-filter small animal facility for pre-clinical toxicology and developmental Research for the entire university. It is CPCEA approved – GLP-pre audited facility awaiting GLP-accreditation shortly.

(v) Herbal Garden to facilitate research on Indian medicinal plants.

(vi) Central clinical laboratory to provide investigational support for clinical research projects and clinical trials.

(b) Strengthening of departmental facilities:

Almost all departments of the university are provided equipment and infrastructure to carryout UG/ PG/ PhD research and to conduct sponsored projects from funding agencies. Project specific sophisticated equipment support is made available through the above CRF and CEFT.

(c) Strategies to meet the needs of researchers in emerging disciplines:

A three prolonged approach is made to meet such needs:

(i) Securing the award of eleven centres of Excellence in Research from International and National agencies.

(ii) Establishing eleven SRU Centres of Research in emerging disciplines under the theme – ‘focused areas of research’

(iii) Principal Investigator initiated major research projects from funding agencies along with grants for equipment which are research area specific.

Advanced Central Research facility and funding allocated to the facility

Yes. A Central Research Facility with sophisticated facilities has been established with Rs 30 crore by SRU with a plinth area of 25,000 sq. ft in an exclusive area of the University. It has a Sophisticated Instrumentation Laboratory, clinical research/clinical trials unit, epidemiology division, Project development/analysis and documentation unit; Herbal & Indian Systems of medicine research Laboratory and Tissue Engineering & Stem cell laboratory. The Sophisticated instrumentation centre houses the high end equipments, walk in cold room (+4 °C), walk in incubator (+37 °C) cryo-preservation unit (-80 °C & -146°C), deep freezers, digital library, university industry liaison centre with the IPR/patents cell and an administrative office, certified central animal house of this unit is situated as a separate block as an asset for this facility. All these facilities are available to students / PhD scholars and scientists.

Centralised Facilities		
S. No	Categories	Status
1	Central Research Facility (CRF) established in 2007	Fully functional Since 2009
2	Epidemiology Research Division	Recognized by DST as PURSE –HIS Centre for endovascular diseases in 2009: II Phase of PURSE – HIS centre launched in 2012
3	Clinical Research Division	Recognized by PFIZER as Preferred Clinical Research Centre from 2009 US-FDA audited clinical trial facility since 2012
4	Sophisticated Instrumentation Laboratory	Caters to SRMC & RI and other universities, Faculties and industries since 2009
5	A single window – automated Research administration division	Novel methodology yielded increased research funding since 2007 and also increased research outcome
6	Centre For Toxicology & Experimental Research (CEFT)	COPSEA certified small animal research facility since 2009; Applied for GLP accreditation in 2012;Pre audited in 2013. Awaits final audit in the beginning of 2013.

Sri Ramachandra University - Centers of Research fully supported by the University		
	Categories	Current Status
	Centre for Indian systems of Medicine Quality Assurance & standardization	08.10.2011 (BoM) launched in 2012
	Centre for life style diseases & prevention	08.10.2011 (BoM) ; launched in 2012
	Centre for Regenerative Medicine & Stem cell Research	08.10.2011 (BoM); launched in 2012
	Centre for Biomedical Nanotechnology.	08.10.2011 (BoM); Launched in 2012
	Centre for Pre-clinical Toxicology & Translational Research	08.10.2011 (BoM); launched in 2012
	Centre for sports & Exercise Sciences	08.10.2011 (BoM); launched in 2012
	Centre for Health Professions Education & Faculty Development	08.10.2011 (BoM); launched in 2012
	Centre for Global collaboration	08.10.2011 (BoM); launched in 2012

While the creation and maintenance	Centre for Healthcare quality & Patients safety	08.10.2011 (BoM); launched in 2012
	Perinatal Centre of Excellence	08.10.2011 (BoM); launched in 2012
	Sri Ramachandra Centre for International Patient Care Services	Functioning since 2007

mentence of these Central facilities are fully supported by the University management, Projects based research in these facilities are supported national and international by grants obtained from various funding agencies like WHO, Fogarty, NIH, ICMR, DST, DBT, DRDO, CSIR, MOEF, MOES, DAE, BNRS, etc.,

The institution have a Drug Information Centre to cater to the needs of researchers, provide details of the facility.

Yes; situated in the Medical College Block. Assistance to clinicians is given by a team of faculty and students from the Department of Pharmacy Practice, Faculty of Pharmacy. In addition there is also a clinical research pharmacist in the clinical trial division of Central Research Facility who monitors the use of clinical trial based drugs.

The institution provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)

Yes. The computer with internet facilities at university guest houses and Hostels (Men and Women) are available for the research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists.

The institution have centres of national and international recognition / repute. Give a brief description of how these facilities are made use of by researchers from other laboratories.

RESEARCH CENTERS RECOGNIZED BY INTERNATIONAL / NATIONAL AGENCIES		USE BY RESEARCHERS FROM OTHER LABS
Categories	Status	
WHO Collaborating centre for Research & Training in Occupational & Environmental Health Since 2005	Continuance of award for additional five years from 2011	National Institutes, industries & Pollution control Boards use the facilities
ICMR – Centre for Advanced Research on Indoor air pollution	Awarded for 5 years since 2010	Foreign universities, Fogarty fellows & PhD scholars utilize the centre
Technology Business Incubator of Dept. of Sciences & Technology, Govt. of India	Awarded for 5 years since 2011	Industry incubatees utilize the centre
“Biodosimetry Centre” of AERB, Govt. of India since 2008	Renewed for another three years in 2011	DRDO Laboratories and Hospital Radiation Safety teams
DSIR & SIRO certification by Dept. of Science & Technology, Govt. of India since 2008	Renewed for another three years in 2011	Industry collaborators of R & D projects

MCI – Nodal / Regional Centre for Basic & Advanced courses in Medical Education technologies	Regional centre in 2009 Elevated as Nodal centre in 2011	Faculty members of 46 medical colleges
Govt. of Tamil Nadu approved Centre for “Prenatal Genetic Testing” 2009-2014	Since 1999; renewed every three years (to date)	Patients and PGs/PhDs conducting research
US – FDA Audited ICMR – Registered Clinical Trial Unit	US-FDA audited as clinical trial unit from 2012	Pharma Industries
PFIZER’S - “Preferred Clinical Research Center”	Recognized since 2009	GCP training for clinical researchers
CITI-University of Miami – SRU Centre for Research Ethics Education	Recognized since 2009 for India, Sri Lanka and Nepal	Research Ethics Education and Certification of PhDs and Clinical researchers
DST-PURSE-HIS-Population Research Centre	Since 2009; Renewed for three years up to 2015	PhD research Centre and Life Style disease Study & Prevention Centre