

श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी
संस्थान, त्रिवेंद्रम

केरल- 695 011, भारत

(एक राष्ट्रीय महत्व का संस्थान, विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार)

**SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL
SCIENCES AND TECHNOLOGY, TRIVANDRUM**

KERALA - 695011, INDIA

(An institution of National importance, Department of Science and Technology, Govt. of
India)

विवरण पत्रिका
PROSPECTUS

शैक्षणिक कार्यक्रम

ACADEMIC PROGRAM

सत्र-2023

SESSION - 2023

www.sctimst.ac.in

CONTENTS	Page No.
Introduction	03
Summary of Programs on offer	04
Fee structure	05
I. Post Doctoral Programs on offer	06
- No. of seats, duration and eligibility	06
- Method of selection	08
- Salary/Stipend	08
II. Post Graduate programs on offer	09
- No. of seats, duration and eligibility	09
- Details of courses offered	09
- Admission Process	09
- Method of selection	09
- Salary/Stipend	09
Important Dates for Post Doctoral and PG programs	10
III. PDF programs on offer	11
- Details of PDF programs	12
- Salary/Stipend	12
IV. PG Diploma/Diploma/Advanced Certificate programs	13
- Specialty Nursing Programs	13
- Stipend	13
- Method of selection	14
- Details of PG Diploma/Diploma/Advanced Certificate Programs	15
- Method of selection	19
Important dates for PDF/Diploma programs	20
Special Information	21
V. PhD programs	24
VI. Master of Public Health Program	30
VII. Diploma in Public Health Program	31
Sponsored Candidates	33
Foreign Nationals	33
Joint programs of SCTIMST	35
Affiliated programs of SCTIMST	37
Admission Procedure	41
Anti ragging Affidavit	44
Important Contact addresses	46
Heads of Departments/Divisions	47
Student Reservation and Equal Opportunity Cell	48
Students Grievance and Redressal Committee	49
Bond format for residents	51
Bond format for diploma holders	56

INTRODUCTION

Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST) is an Institution of National Importance with the status of a University under the Department of Science and Technology, Govt. of India by an Act of Parliament (Act 52 of 1980). The joint culture of medicine and technology that the Institute pioneered more than four decades ago has come of age and gained unprecedented acceptance in India. The Institute focuses on advanced super specialty postgraduate training programs in medical specialties and health research of social relevance and development of high quality, medical devices and technology of industrial significance. The emphasis is on the development of key areas that are less readily available in the country such as interventional radiology, interventional stroke care, cardiac electrophysiology, advanced cardiothoracic and vascular surgery, surgery for epilepsy, micro neurosurgery, deep brain stimulation for movement disorders, development of new biomedical devices and products, evaluation of medical devices to global specifications, new academic programs and health science research and training. The Institute has three wings - **the Hospital Wing, the Biomedical Technology Wing and the Achutha Menon Centre for Health Science Studies Wing**. Excellent research and learning opportunities are available at these wings. The Institute has a dedicated team of clinicians, scientists and engineers devoted to high-quality medical research, biomedical research and technological development and public health research.

The Institute's objectives are:

- Promote biomedical engineering and technology.
- Provide and demonstrate high standards of patient care in advanced medical specialties.
- Develop innovative postgraduate training programs of the highest quality in advanced medical specialties and biomedical engineering and technology.
- Participate in public health reforms through research, training and interventions.

The Sree Chitra Tirunal Institute for Medical Sciences & Technology Act, 1980, empowers the Institute to offer post-graduate programs in medical sciences and biomedical engineering and stipulates that the medical degrees and diplomas granted by the Institute shall be recognized medical qualifications for the purpose of the Indian Medical Council Act and that they shall be deemed to be included in the First Schedule to that Act.

PROGRAMS ON OFFER- SESSION 2023

Post- Doctoral Programs	6. PG Diploma in Cardiac Laboratory Technology (PG-CLT)
1. DM Cardiology	7. PG Diploma in Neuro Technology (PG-NT)
2. DM Neurology	8. PG Diploma in Medical Records Science (PG-MRS)
3. DM Neuro Imaging and Interventional Neuroradiology	9. PG Diploma in Clinical Perfusion (PG-CP)
4. DM Cardiovascular Imaging and Vascular Interventional Radiology	10. PG Diploma in Blood Banking Technology (PG-BBT)
5. DM Cardiothoracic & Vascular Anaesthesia	Advanced Certificate Program
6. DM Neuroanaesthesia	1. Advanced Certificate Program in Physiotherapy in Neurological Sciences. (ACP-PN)
7. MCh Cardiovascular & Thoracic Surgery	2. Advanced Certificate Program in Physiotherapy in Cardiovascular Sciences. (ACP-PC)
8. MCh Neurosurgery (after MS)	OTHER PROGRAMS
9. MCh Vascular Surgery	Joint Programs with IIT Madras & CMC Vellore
10. Post Doctoral Fellowship (Post DM/MCh/DNB)	1. Master of Technology (M Tech) in Clinical Engineering
Postgraduate/PhD Programs	2. PhD (Biomedical Devices and Technology)
1. MD Transfusion Medicine	Affiliated Programs Conducted at other Centres
2. Master of Public Health (MPH)	A. ICMR-National Institute of Epidemiology, Chennai
3. PhD	1. Master of Public Health [(MPH) (Epidemiology and Health Systems)]
Diploma/PG Diploma Programs	B. Christian Medical College, Vellore
1. Diploma in Public Health (DPH)	1. Master of Science (Bioengineering)
2. Diploma in Cardiovascular & Thoracic Nursing (DCTN)	2. PhD(Bioengineering/ Biomedical Sciences/Health Sciences)
3. Diploma in Neuro- Nursing (DNN)	3. Master of Public Health (MPH)
4. Diploma in Advanced Medical Imaging Technology (DAMIT)	C. Indian Institute of Information Technology and Management- Kerala
5. Diploma in Operation Theatre & Anaesthesia Technology (DOTAT)	1. PhD (Imaging Sciences & Technology)

FEE STRUCTURE (in Rupees)

Particulars	Post-doctoral courses (DM/MCh/PDF/MD)	PhD	MPH	DPH	PG Diploma/ Diploma/Advanced Certificate Program in Physiotherapy
Application fee	₹ 2,000 (₹ 1,600*) (for PDF)	₹ 1,500 (₹ 1200*)	₹ 1,500 (₹ 1200*)	₹ 1,500 (₹ 1200*)	₹ 800 (₹ 640*)
Admission fee	₹ 2,000	₹ 2,000	₹ 1,000	₹ 1,000	₹ 500
Tuition Fee	₹ 63,000 (per year)	₹ 20,000 (per year) ₹ 40,000 (For first Extraordinary extension) ₹ 60,000 (For second Extraordinary extension)	₹ 1,10,000 (for 2 years - Non-sponsored independents students) ₹ 2,00,000 (for 2 years – sponsored students)	-	₹ 10,000 per year (for Diploma/PG Diploma Programs) ₹ 1,000 per year (for Advanced Certificate Program in Physiotherapy)
Course Fee	-	-	-	₹ 2,00,000	-
Caution Deposit	₹ 10,000	₹ 10,000	₹ 10,000	₹ 10,000	₹ 10,000
Examination Fee: Part-I	₹ 2,000	-	₹ 1,000	-	₹ 250
Part-II	₹ 10,000				
Comprehensive Exam	-	₹ 6,000	-	-	-
Thesis Evaluation Fee	₹ 1,500	₹ 15,000	-	-	-
Identity Card	₹ 220	₹ 220	₹ 220	₹ 220	₹ 220
Library	₹ 1,000	₹ 1,000	₹ 500	₹ 500	₹ 200
Student Welfare Fund	₹ 1,000	₹ 1,000	₹ 500	₹ 500	₹ 200
Certificates	₹ 1,000	₹ 1,000	₹ 1,000	₹ 500	₹ 200
Miscellaneous Fee	₹ 10,000	-	-	-	₹ 5,000
Hostel Fee	-	-	₹ 20,000 per year	Hostel facilities not available	-

*for SC/ST candidates.

Fee will be revised by the Institute every year. Fee once paid will not be refunded

Eligible candidates can apply for e-grantz scheme of Govt. of Kerala for fee/Scholarships

I. POST DOCTORAL PROGRAMS ON OFFER- SESSION 2023

1. DM Cardiology
2. DM Neurology
3. DM Neuro Imaging and Interventional Neuroradiology
4. DM Cardiovascular Imaging and Vascular Interventional Radiology
5. DM Cardiothoracic & Vascular Anaesthesia
6. DM Neuroanaesthesia
7. MCh Cardiovascular & Thoracic Surgery
8. MCh Neurosurgery (after MS)
9. MCh Vascular Surgery

NUMBER OF SEATS, DURATION AND ELIGIBILITY

Program	Number of Seats		Duration (Year)	Qualifications required
	General quota	Sponsored seats		
DM Cardiology	6	3	3	MD/DNB in Gen. Medicine/Paediatrics
DM Neurology	6	3	3	MD/DNB in Gen. Medicine/Paediatrics
DM Neuro Imaging and Interventional Neuroradiology	3	1	3	MD/DNB Radiology/Radiodiagnosis
DM Cardiovascular Imaging and Vascular Interventional Radiology	2	1	3	MD/DNB Radiology/Radiodiagnosis
DM Cardiothoracic & Vascular Anaesthesia	6	3	3	MD/DNB in Anaesthesia
DM Neuroanaesthesia	5	2	3	MD/DNB in Anaesthesia
MCh Cardiovascular & Thoracic Surgery	4	2	3	MS/DNB in Gen. Surgery
MCh Vascular Surgery	1	0	3	MS/DNB in Gen. Surgery
MCh Neurosurgery (After MS)	4	2	3	MS/DNB in Gen. Surgery

DETAILS OF POST DOCTORAL COURSES OFFERED IN HOSPITAL WING

1. POST-DOCTORAL COURSES

Currently, the Institute offers the following Post-doctoral courses:

DM : Cardiology, Neurology, Neuroimaging and Interventional Neuroradiology, Cardiovascular Imaging and Vascular Interventional Radiology, Cardiothoracic & Vascular Anaesthesia, Neuroanaesthesia

MCh : Cardiovascular and Thoracic Surgery, Vascular Surgery, Neurosurgery

Minimum Educational Qualifications required for Admission

A. DM COURSES

DM Cardiology and DM Neurology

MD in General Medicine or Paediatrics from an Indian university recognized by erstwhile Medical Council of India (MCI) / National Medical Commission (NMC) or Diplomate of the National Board (DNB) in General Medicine/Paediatrics or any equivalent degree recognized by NMC/ erstwhile MCI.

DM Neuroimaging & Interventional Neuroradiology and DM Cardiovascular Imaging and Vascular Interventional Radiology

MD in Radiodiagnosis from an Indian university recognized by erstwhile MCI/ National Medical Commission (NMC) or Diplomate of the National Board (DNB) in Radiology/Radiodiagnosis or any equivalent degree recognized by NMC/ erstwhile MCI.

DM Cardiothoracic and Vascular Anaesthesia and DM Neuroanaesthesia

MD in Anaesthesia or equivalent from an Indian university recognized by erstwhile MCI/ National Medical Commission (NMC) or Diplomate of the National Board (DNB) in Anaesthesia or any equivalent degree recognized by National Medical Council (NMC)/ erstwhile MCI.

B. MCh COURSES

MCh Cardiovascular & Thoracic Surgery, Vascular surgery, Neurosurgery

MS in General Surgery from an Indian university recognized by erstwhile MCI/ National Medical Commission (NMC) or Diplomate of the National Board in General Surgery or any equivalent degree recognized by NMC/ erstwhile MCI.

UPPER AGE LIMIT

Forty years (as on 1st January 2023). Age relaxation of five years is applicable for SC/ST candidates, sponsored candidates and for qualified Ex-service personnel with a service of not less than five years.

Kerala Medical Commission (KMC)/Travancore Cochin Medical Council (TCMC) Registration

KMC/TCMC Registration is mandatory. The candidate should have applied for registration with Travancore Cochin Medical Council (TCMC) at the time of admission at SCTIMST and must submit the registration certificate to the Division of Academic Affairs, SCTIMST.

METHOD OF SELECTION

The selection of the candidates for the course is through the counseling based on the rank list of the entrance examination of the INI-SS (Institutes of National Importance-Super Specialty) conducted by the AIIMS, New Delhi and further verification of certificates and other credentials/documents by SCTIMST. For further details on the entrance exam, admission and selection process, please visit the following website: <http://www.aiimsexams.ac.in>.

Salary/Stipend (per month in Rupees) (Except for Sponsored candidates)

Program	Duration	Scale of pay /Stipend in INR per month
DM & MCh	3 Years	1 st year - 74000 + *
		2 nd year - 76200 + *
		3 rd year - 78500 + *

**Applicable HRA, NPA, DA & DA on TA as per Institute Rules.*

II. POST GRADUATE PROGRAMS ON OFFER- SESSION 2023

DETAILS OF PG COURSES OFFERED IN HOSPITAL WING

M D in Transfusion Medicine

NUMBER OF SEATS, DURATION AND ELIGIBILITY

Program	Number of Seats		Duration (Year)	Qualifications required
	General quota	Sponsored seats		
M D in Transfusion Medicine	1	1	3	MBBS

Minimum Educational Qualifications Required for Admission

MBBS degree or an equivalent degree from a recognized university (Medical Council of India/National Medical Commission) with one-year compulsory rotatory internship from a medical college of repute. The candidates must have completed the requisite qualification, degree and tenure by 31.01.2023. The candidates who are likely to complete their requisite qualification, degree and tenure after the above date will not be eligible to appear in this examination. Furnishing wrong information by the candidate will be subjected to disciplinary actions or denial of admission. The candidate should have applied for and obtained registration with Travancore Cochin Medical Council (TCMC) at the time of admission at SCTIMST.

UPPER AGE LIMIT

Forty years (as on 1st January 2023), relaxable by five years for SC/ST candidates, sponsored candidates and for qualified Ex-service personnel with a service of not less than five years.

Admission Process

The selection of the candidates for the course is by the counselling based on the rank list in the INI-CET (*Institutes of National Importance-Common Entrance Test*) conducted by the AIIMS, New Delhi and verification of certificates and other credentials/documents by SCTIMST. For further details on the entrance exam, admission and selection process, please visit the following website: <https://www.aiimsexams.org>

Salary/stipend (per month in Rupees) (Except for Sponsored candidates)

Program	Duration	Scale of pay / Stipend in INR per month
MD (Transfusion Medicine)	3 Years	₹61300 +*

* Applicable HRA, NPA, DA & DA on TA as per Institute Rules

IMPORTANT DATES - POST DOCTORAL AND PG PROGRAMS FOR THE ACADEMIC SESSION - JANUARY 2022	
Admission Notification	<i>As per the prospectus, part A of INI-SS/INI-CET</i>
Online application website	
Availability of online Application	
Status of Application & Rejected application with reason for rejection. Applicants are required to check status through the Registration Status of My Page after Login.	
Last date for submission of required documents for Regularization of Rejected Application. No Correspondence will be entertained after given date under any circumstances and candidates are requested NOT TO CONTACT the Examination Section.	
Last date for Ministry of Health & Family Welfare, Govt. of India to forward an approval regarding "No Objection" to the Foreign National.	
Finalization of Centres and allotment of Roll Nos/ Admit Card on website.	
Hall ticket download	
Written Test through <u>online (CBT) mode</u>	
<i>Expected date of declaration of Result (for all INIs)</i>	
Commencement of courses at SCTIMST	02.01.2023
Director's welcome address	10.01.2023

III. POST-DOCTORAL FELLOWSHIP (PDF) PROGRAMS OFFERED

1. DETAILS OF PDF PROGRAMS (*Post DM/MCh/DNB*)

The Institute offers a **one-year** Post-doctoral Fellowship (PDF) for those who have DM/MCh (3-year) or equivalent qualifications. The PDF provides an excellent opportunity to obtain advanced training in a sub-specialty area. The PDF programs are organized by faculty trained in the concerned sub-specialty area. In addition to obtaining advanced clinical training, PDF provides opportunities to gain hands-on experience in advanced diagnostic and therapeutic techniques and high-quality research. The applicant is encouraged to visit the website (www.sctimst.ac.in) and directly communicate with respective PDF program Supervisors listed below to gather more details about the program and areas of future research during the fellowship period.

Minimum Educational Qualification for Admission

DM/MCh (3 years) or equivalent qualification from MCI recognized institutions.

- Registration with Central/State Medical Council.
- Residents who are in the final year of the program can apply; however, they should submit the certificate at the time of joining.

Application to include bio-data and a 500-word write-up on the work/ project proposed to be done. Institutional grants may be available for selected research proposals. The candidates can contact the Program Supervisor in advance to discuss the feasibility of the proposed program.

Letter of Reference

Applicants for PDF courses are required to submit two reference letters from specialists working in the area of application, one of which should be from the last employer/teacher under whom the candidate worked.

Upper Age Limit

Forty five years (as on 1st January 2023), relaxable by five years for SC/ST Candidates, sponsored candidates and for qualified Ex-service personnel with a service of not less than 5 years.

Method of selection

Short-listing of the application based on the merit of a 500 words short research project proposal and letters of references. Short listed candidates will be called for an open departmental interview if there are less than 10 candidates and a written examination if there are more than ten, followed by a final interview. All qualified DM, MCh, DNB students can apply. The percentage of marks allotted for the departmental assessment cannot be less than 75% of the total . The selected candidate should have applied for and obtained registration with Kerala Medical Commission (KMC)/Travancore Cochin Medical Council (TCMC) at the time of admission at SCTIMST.

The following PDF positions are available for the January 2023 session.

	Department /Subspecialty	No. of seats	Program supervisor with email ID
(i)	Department of Neurology		
	Electroencephalography	One	Dr. Ramsekhar Menon / Email: rsnmenon@sctimst.ac.in
	Epilepsy	One	Dr. Ramsekhar Menon / Email: rsnmenon@sctimst.ac.in
	Movement Disorders	One	Dr. Syam K/ Email: drsvam@sctimst.ac.in
	Neuromuscular Disorders	One	Dr. Sruthi S. Nair/ Email: sruthisn@sctimst.ac.in
	Stroke	One	Dr. P.N. Sylaja/ Email: sylajapn@sctimst.ac.in
(ii)	Department of Cardiology		
	Adult Cardiology and Interventions	Two	Dr. Harikrishnan S/ Email: drhari@sctimst.ac.in
	Cardiac Electrophysiology	Two	Dr. Narayanan Namboodiri K.K. Email: kknnamboodiri@sctimst.ac.in
	Paediatric Cardiology	One	Dr. Krishnamoorthy K.M./ Email: kmkm@sctimst.ac.in
(iii)	Department of Neurosurgery		
	Cerebrovascular Surgery	One	Dr. Jayanand Sudhir/ Email: bjs@sctimst.ac.in
	Skull Base Neurosurgery	One	Dr. Prakash Nair/ Email: prakashnair@sctimst.ac.in
(iv)	Department of CVTS		
	Adult Cardiac Surgery	One	Dr. Vivek V.Pillai/ Email: vvp@sctimst.ac.in
	Paediatric Cardiac Surgery	One	Dr. Baiju S. Dharan/ Email: baijusd@sctimst.ac.in
(v)	Department of Anaesthesiology		
	Pediatric cardiac Anaesthesia	One	Dr Thomas Koshy/ Email: koshy@sctimst.ac.in

Subject to GB approval

Salary/stipend (per month in Rupees) (Except for Sponsored candidates)

Program	Duration	Scale of pay /Stipend in INR per month
PDF	01 yr	Rs.80900*

*With applicable HRA, DA and DA on TA as per institute rules

Please see page 5 for fee structure

For more details regarding post-doctoral programs, contact:

THE REGISTRAR

SCTIMST, Trivandrum, Kerala- 695011, India.

Telephone: 91-471- 2524269/289/649/150

Fax: 91-471-2446433 E-mail: reg@sctimst.ac.in Website: www.sctimst.ac.in

IV. PG DIPLOMA / DIPLOMA/ADVANCED CERTIFICATE PROGRAMS

1. SPECIALITY NURSING PROGRAMS

The Institute offers two Speciality Diploma programs in nursing to meet the growing demand for competent and trained nurses in super specialties. These programs are:

- (i) Diploma in Cardiovascular & Thoracic Nursing
- (ii) Diploma in Neuro Nursing.

The programs are designed to offer advanced education and clinical experience to registered nurses to prepare them as skilled bedside nurses in respective specialties including outpatients, inpatient and intensive care areas and equip them to assume leadership roles in these areas as skilled clinical nursing personnel.

Minimum Educational Qualifications For Admission

- a. GNM or B.Sc. Nursing.
- b. For GNM candidates, one year experience as bedside nurse after passing GNM, as on 31st December, 2022
- c. Professionally registered as a nurse by any recognized State Nursing Council in India or by Nursing Boards approved by the Indian Nursing Council.

Upper age limit

35 years (as on 1st January 2023), relaxable by 3 years for OBC candidates, 5 years for SC/ST candidates, Sponsored candidates and for qualified Ex- service personnel with a service of not less than 5 years.

Summary of Specialty Nursing programs

<i>Programs</i>	<i>No. of seats</i>	<i>Duration</i>
Diploma in Cardiovascular & Thoracic Nursing	10+1	2 years
Diploma in Neuro Nursing	10+1	2 years

Reservation

Reservation will be followed as per Government of India policy.*

Programs	UR	Reserved for					Total
		SC	ST	OBC	EWS	PwD (horizontal reservation)	
Diploma in Cardiovascular & Thoracic Nursing	5	1	1	3	1	0	10+1
Diploma in Neuro Nursing	5	1	1	3	1	1#	10+1

#Reservation will be rotated between these two courses in consecutive years.

- If the reserved seats in Diploma/PG Diploma, MPH and DPH programs are found vacant, that will be filled with eligible UR category candidates.

Method of Selection

Selection will be strictly on merit on the basis of percentage of marks obtained in the common entrance examination for Cardiovascular & Thoracic Nursing and Neuro-Nursing held by the Institute. The candidates may indicate their preferred choice of the specialty in the application form. The common entrance examination will be **held in the Institute**. Based on seat availability, preference and merit obtained in the entrance examination, selection list will be finalized.

Sponsored candidates will also go through the selection process but a separate list of finally selected candidates from those who qualify in the Entrance Examination will be put up.

The minimum pass marks in the objective-type MCQ examination will be 50% for all. Relaxation in marks will be given for SC/ST/OBC (NCL) category candidates. Candidates who have qualified in the written examination will be short-listed for practical. Interview date will be published along with written test result.

Uniform for Specialty Nursing program

Female : White Churidhar set

Male : Black pants, white shirt

White half sleeve overcoat for all

During 1st year each student has to undertake a clinical nursing study project and submit the report before 31st October which is a pre-requisite for appearing for the university examination during 1st year. Eighty Five percent (85%) attendance is mandatory for appearing in the university examination.

Note: See "Special Information" (Page 21)

2.PG Diploma in Cardiac Laboratory Technology

The rapid advances in science and technology have transformed cardiac medical practice from purely clinical to laboratory-oriented cardiology. This has resulted in newer investigative techniques and procedures for both diagnostic and therapeutic purposes. There is a need for training people as more hospitals strive to update the practice of cardiology. The training program will cater to the needs of those technical personnel who will be in increasing demand in the years to come. The students will be attached to the Departments of Cardiology and Clinical Engineering.

3.PG Diploma in Neuro-Technology

The advent of sophisticated electronic equipment and computers has made neurophysiology a fast-developing clinical specialty. Simultaneously, the need for well-trained technicians to maintain and use these machines has become a necessity. A highly developed epilepsy program offers hands on experience in video-EEG monitoring, intra operative electro-corticography and stimulation and brain mapping. They will be exposed to other Neurophysiological like EMC, NCV, evolved potentials, sleep studies, emergent EEGs. The students will be attached to the Department of Neurology and Clinical Engineering.

4.PG Diploma in Medical Records Science

Health care records are maintained to pursue the clinical, academic, administrative and legal requirements of the hospital. The medical record is a confidential document and it is a product of privileged communication between patients and health care providers.

This academic program is designed to train candidates potentially to organize and maintain a Manual/Electronic Medical Records Department. The students will be attached to the Medical Records Department and sections of Hospital Administration.

5.PG Diploma in Clinical Perfusion

This course is designed to train the candidate to become a Perfusionist who is a blood circulation specialist with a unique role in the field of cardiac surgery. Cardiac and pulmonary circulation is temporarily bypassed to facilitate a bloodless field, whereby the surgeon can perform the necessary repair inside the heart.

A Perfusionist manages the Heart- Lung Machine equipment through which venous blood from the patient is diverted, oxygenated and infused back to the patient when the mechanical action of heart is temporarily stopped. The Perfusionist is also responsible for hypothermia, total circulatory arrest etc. The patient is warmed back and weaned off the Heart Lung Machine. Student Perfusionist is required to work in the operation theatre and has to follow aseptic techniques. The students will be given clinical and theoretical training in the set up and operation of Heart Lung Machine, perfusion management, and support devices such as Intra-Aortic Balloon Pump etc. The students will be attached to the Department of CVTS.

6. PG Diploma in Blood Banking Technology

Rapid advances in technology have revolutionized blood transfusion services and enhanced our knowledge in Transfusion Medicine.

This has necessitated thorough selection of donors for donor and recipient safety during blood donation, extensive serological and immune-hematological techniques, infectious disease screening, processing of blood into components for optimal usage and proper storage of blood and components. During the training period students will have ample 'hands-on experience' under expert guidance and supervision. There is a growing need in the State for training in this speciality owing to the acute shortage of trained personnel. During the training program, the student will have enough opportunity to be familiar with state-of-the-art equipment and access to computer and library facilities. Training is designed to equip students to meet increased demand for qualified personnel in blood banks. The students will be attached to the Department of Transfusion Medicine and Section of Hospital Administration.

7. Diploma in Operation Theatre & Anaesthesia Technology

Various advances in the field of anaesthesia techniques and medical equipments used in modern operation theatres, catheterization labs and radiological suites offer great knowledge and learning experience. The course is designed to understand basic and advanced principles of anaesthesia and use of modern-day technologies to assist anaesthesiologists in aiding in the management of patients inside as well as outside the operation theaters. The safety of patients depends largely on the reliable and smooth functioning of state of the art biomedical equipment. The objective of the course is also to train candidates in the management of biomedical equipments, medical gases and hospital pipeline systems. The students will be attached to the Department of Anaesthesiology and Clinical Engineering.

8. Diploma in Advanced Medical Imaging Technology

Medical Imaging Techniques have advanced tremendously in the last decade and have found widespread use in diagnostic applications. However, the scarcity of well-qualified technical personnel has always been a problem in exploiting the full potential of these techniques. The Department of Imaging Sciences & Interventional Radiology at this Institute is one of the best-equipped departments of its kind in the country.

Apart from conventional radiological facilities for outpatient radiography, tomography, myelography and so on, CT Scan and Digital Subtraction Angiography (DSA) units are functioning for the last several years. A state-of-the-art Magnetic Resonance Imaging unit and a PACS system are also functional. The students will be attached to the Departments of Imaging Sciences and Interventional Radiology and Clinical Engineering.

Advanced Certificate Programs in Physiotherapy

With the health sector fast-expanding, graduates in Physiotherapy with quality training are in great need. SCTIMST holds unmatched resources in neurological and cardiovascular sciences. This includes our highly trained and competent human resources, equipment and technology, and commitment to high-quality professional work. The Institute offers two academic Programs leading to Advanced Certificates through its Department of Physical Medicine and Rehabilitation (PMR). These one year Programs are highly skill- based and give the opportunity for BPT graduates to gain competence in managing different neurologic and cardiovascular diseases, ward activities, research and training in the use of latest equipment and technologies of physiotherapy.

The following one-year Programs are offered

- Advanced Certificate Program in Physiotherapy in Neurological Sciences (ACP-PN)
- Advanced Certificate Program in Physiotherapy in Cardiovascular Sciences (ACP-PC)

Stipend (per month in Rupees) (Except for Sponsored candidates)

Program	Duration	Scale of pay / Stipend in INR per month
Speciality in Nursing diploma program	1st year	11,440#
	2nd year	13,350#
PG Diploma/Diploma program	1st year	8,580#
	2nd year	10,490#
Advanced Certificate Programs in Physiotherapy	1 year	6,000#

Applicable cost of living index as per Institute Rules

MINIMUM EDUCATIONAL QUALIFICATIONS FOR ADMISSION

PG Diploma in Cardiac Laboratory Technology (PGDCLT)

BSc degree of any recognized university in India with Physics as major or ancillary subject with aggregate marks of at least 50%.

PG Diploma in Neuro Technology (PGDNT)

BSc Physics, Chemistry, Biological Sciences, Bio-Technology or Computer Science with aggregate marks of at least 50%.

PG Diploma in Medical Records Science (PGDMRS)

BSc degree of any recognized university in India with aggregate marks of at least 50%.

PG Diploma in Clinical Perfusion (PGDCP)

BSc degree in Zoology as main or subsidiary subject of any recognized university in India. An aggregate of at least 50% marks is required.

PG Diploma in Blood Banking Technology (PGDBT)

BSc in any branch of Biological Science from a recognized university with an aggregate of at least 50% marks in these subjects.

Diploma in Operation Theatre & Anaesthesia Technology (DOTAT)

Diploma in Electronics/Biomedical Engineering/Instrumentation from a recognized institution with a good academic record.

Diploma in Advanced Medical Imaging Technology (DAMIT)

Certificate in Radiographic Assistance (CRA)/ Diploma in Radiological Technology (DRT) 2 year course or equivalent or higher qualification from a recognized institution with aggregate marks of at least 50%.

Advanced Certificate Programs in Physiotherapy (ACP)

Bachelor of Physiotherapy (BPT) (A regular in-campus four-year bachelor's degree and internship in Physiotherapy from a recognized university).

Upper Age Limit

25 years (as on 1st January 2023) relaxable by 5 years for SC/ST and sponsored candidates, 3 years for OBC candidates.

Reservation: Reservation will be followed as per Govt. of India norms.

Program	UR	Reserved for				Total
		SC / ST	OBC	EWS	PwD (horizontal reservation)	
ACP-PN	1	0	1	-	-	2
ACP-PC	1	1	0	-	-	2
DAMIT	2	1*	0	-	-	3
DOTAT	1	0	1*	-	1#	2+1#
PGDBBT	1	1*	0	-	-	2
PGDCLT	2	0	1*	-	-	3
PGDCP	1	1*	0	1#	-	2+1#
PGDMRS	1	0	1*	1#	-	2+1#
PGDNT	2	1*	1*	-	-	4

(*) - Reservation for SC/ST & OBC will rotate among the courses in consecutive years.

(#) - Reservation for EWS & PwD will be on rotational basis between the courses.

If the reserved seats are found vacant, that will be filled with eligible UR category candidates.

Method of Selection

Selection will be strictly on merit based on the percentage of marks obtained in the entrance examination (MCQ based exam and viva-voce held by the Institute). Sponsored candidates will also go through the procedure for selection but a separate rank list will be put up for the two categories (general and sponsored quota)

Minimum pass marks in the objective-type written examination of 90 minutes duration (100 questions) will be 50% for all. Candidates who have qualified in the written examination will be short-listed for interview.

In addition, candidates will be admitted if sponsored by the Government, Governmental Agencies or Universities.

Note: See "Special Information" on Page 21

For application procedures and important date, please see page 41 and 20.

Summary of PG Diploma/ Diploma Programs

<i>Programs Available</i>	<i>Seats</i>	<i>Duration (Years)</i>	<i>Qualification</i>
PG Diploma in Cardiac Laboratory Technology	3	2	BSc with Physics as major or ancillary 50% aggregate
PG Diploma in Neuro Technology	4	2	BSc Physics, Chemistry, Biological Sciences, Biotechnology or Computer Science 50% aggregate
PG Diploma in Medical Records Science	2	2	BSc with 50% aggregate
PG Diploma in Clinical Perfusion	2	2	BSc Zoology as main or subsidiary, 50% Aggregate
PG Diploma in Blood Banking Technology	2	2	BSc in any branch of Biological Science, 50% aggregate
Diploma in Operation Theatre & Anaesthesia Technology	2	2	Diploma in Electronics/ Biomedical Engineering / Instrumentation
Diploma Advanced Medical Imaging Technology	3	2	CRA/DRT 2 year course or equivalent or higher 50% aggregate.
Advanced Certificate Program in Physiotherapy in Neurological Sciences	2	1	A regular in-campus four-year Bachelor's degree in Physiotherapy (BPT) and internship in Physiotherapy from a recognized university.
Advanced Certificate Program in Physiotherapy in Cardiovascular Sciences	2	1	A regular in-campus four-year Bachelor's degree in Physiotherapy(BPT) and internship in Physiotherapy from a recognized university.

IMPORTANT DATES FOR PDF, DIPLOMA & PG DIPLOMA PROGRAMS FOR THE ACADEMIC SESSION - JANUARY 2022

Admission Notification	1 st September 2022
Availability of online Application (Except for MD/DM/MCh programs*)	01.09.2022 to 30.09.2022 (up to 5.00 pm)
Availability of online Application for PDFs	01.09.2022 to 15.11.2022 (up to 5.00 pm)
Hall ticket download	Ten days prior to the entrance examination
Commencement of programs	2 nd January 2023
Director's welcome address	10 th January 2023
SCHEDULE OF ENTRANCE EXAMINATIONS / FINAL INTERVIEW	
<i>Program</i>	<i>Date/Time/ Mode of Selection</i>
Diploma, PG Diploma, PhD programs	The written test and interview will be conducted at SCTIMST between 8 th of November 2022 and 18 th of November 2022. All applicants are requested to visit the online application portal as well as the Institute website ' www.sctimst.ac.in ' for updates. Intimation regarding hall ticket will be sent to your registered email id only.
Post-doctoral fellowship- PDF(Post-DM/MCh/DNB)	The selection interview will be conducted between 14 th December 2022 and 22 nd December 2022. All applicants are requested to visit the online application portal as well as the Institute website ' www.sctimst.ac.in ' for updates. Intimation regarding hall ticket will be sent to your registered email id only.
Type of Objective Questions / Marking Scheme Correct Answer	Multiple Choice Questions (MCQs) /One mark (+)1 for correct answer (No negative marks for Wrong answers/ Marked for Review/ Not Answered questions)
Method of resolving ties	The tie case will be resolved according to age (Date of birth), the older candidate shall get preference over the younger one.

Departmental assessment/Interview: The date and time for departmental assessment/interview will be intimated along with the online exam result put up in the website.

The final selection list will be put up immediately after the interview.

No electronic gadgets including cell phones/watches etc., will be allowed in the examination hall.

The candidates need to strictly follow the instructions given in the Hall Ticket

Any candidate found to have provided false information or done malpractice during exams will be disqualified.

*- MD/DM/MCh admission will be done through INI-CET/INI-SS

SPECIAL INFORMATION

Hostel accommodation

Candidates selected (except sponsored) will be provided accommodation as per rules and availability. **It is mandatory for Junior/Senior Residents to occupy PG Quarters/Hostel, as the case may be, once it is allotted to them.** *No HRA will be paid to any occupants once an accommodation has been allotted to them, irrespective of whether they occupy the allotted accommodation or not.* Electricity and Water charges may be levied proportionally from the inmates if they are in single/double/sharing/Family accommodation. DM/MCh and MD residents will be given preference for the accommodation as per their date of admission. The DM/MCh and MD residents will be given eligible accommodation as either family accommodation, or a single room accommodation.

If eligible accommodation is not available, HRA will be given only for the duration they are waitlisted till an eligible accommodation is allotted. PG residents will be given accommodation in the NFH. If accommodation is not available, HRA will be provided.

Course Content

The training is strictly full-time and continuous. The candidates at the time of admission will be provided with a handbook covering the syllabus, training program and the examination scheme. They should acquaint themselves with the syllabus prescribed for the course to which they are admitted. They should strictly adhere to the rules and regulations of the Institute.

Contract Service

All students and Senior Residents selected for various programs are required to execute a bond of service for a duration depending upon the length of the program. Admission will be denied to candidates who fail to join or submit the contract bond by the date stipulated in the letter of selection. Private practice in any form during the pendency of the program is strictly prohibited.

BOND TO BE EXECUTED

- All the selected residents under the general category need to furnish a bond for rupees fifty lakhs. Concerned defaulter shall be liable to pay an amount of ₹ 50,00,000/- (Rupees Fifty Lakhs), if decided to discontinue the course after the last date of closure of admission by INI-SS/INI-CET. The last date of closure of admission will be announced in the institute website (www.sctimst.ac.in) as well as it will be intimated to the candidates at the time of admission.
- All newly enrolled *Diploma/PG Diploma students* are expected to execute a bond to remit an amount equivalent to six months stipend if they discontinue the program and leave the Institute **after 31st January 2023**.

Duties and Responsibilities

Duties and responsibilities of students and Senior Residents shall be fixed by the Institute from time to time and will include such clinical work as may be essential for patient care and professional training.

Medical Fitness

The selection will be provisional until the candidate is declared medically fit by a Medical Board appointed by the Institute. The candidate should declare all illness connected with his/her health and should certify that he/ she is fit to undergo the rigorous program that he/she is joining. The opinion of the Medical Board shall be final.

Commencement of Academic Session

The session commences on **2nd January, 2023**. Selected candidates will report on this date with all necessary original documents, the verification of which is mandatory for confirmation of admission.

Senior Residents and students will be assessed at the end of six months after admission for their academic ability, desire for training, acquisition of competence, commitment to patient care, interpersonal relationship and so on. Those with low scores will be given a chance to improve in the next three months and, if found unsatisfactory, the candidate's registration in SCTIMST will be terminated.

Attendance on the last working day of the program, normally **31st December** will be compulsory, except in extraordinary situations.

Please refer the syllabus and curriculum for details regarding other mandatory requirements.

Last date of admission

As per the prospectus (part A) given by INI-SS/INI-CET for DM/MCh/MD Residents.

Leave: All Sr.Residents are eligible for twenty-four days casual leave in first year and thirty days casual leave in second and third year respectively. Sr.Residents cannot avail more than 15 days of entitled leave at a stretch. Female Sr.Residents with less

than two surviving children, can avail a maximum of 180 days maternity leave once during the entire course of their study and will be eligible for salary for that period.

Evaluation

Internal assessment towards the end of the first year for Specialty Nursing programs and external examination towards the end of the second year for Specialty Nursing and other Diploma/PG Diploma Programs.

Contact for further details:

THE REGISTRAR

SCTIMST, Trivandrum

Kerala-695011, India. Telephone: 91-471-2524269/649/289/150

Fax: 91-471-2550728

e-mail: reg@sctimst.ac.in Website: www.sctimst.ac.in

V. PhD PROGRAM

Promoting interdisciplinary research, the Institute offers PhD program in the following major research areas.

Physical Sciences

Biophotonics, plasma coating, Nano biotechnology, Bioimaging, Biomedical and Biomaterial sciences.

Chemical Sciences

Polymer synthesis and characterization, Polymer processing, Smart polymers, Interpenetrating polymer networks, Dental polymers, Surface modification of polymeric devices, Radiopaque polymers.

Biological Sciences/Biomedical Sciences

Biochemistry, Cell Biology, Cellular and Molecular Cardiology, Neurobiology, Microbial Technology, Pathology, Physiology, Toxicology, Thrombosis, Implant Biology, Tissue Engineering & Regenerative Technologies, Adult stem cells & Regenerative medicine, 3-D Construction of Tissue substitutes.

Bioengineering

Artificial Organs, Biosensors, Bioinstrumentation, Medical Device Technology, Functional neuroimaging, Magnetic Resonance Imaging, Medical image processing.

Biomaterial Science and Technology

Bioceramics, Dental materials, Material tissue interactions, Drug delivery & sensing, Biomedical polymers, Scaffolds for tissue engineering.

Health Sciences (Full Time & Part Time)

Epidemiology, Gender issues in Health, Health Policy, Health Management, Health Systems, Public Health Informatics, GIS in Public Health.

Medical Sciences

Neuro Sciences, Cardiac Sciences, Imaging Sciences and Interventional Radiology.

Admission

The selection for PhD will be carried out **twice** in a calendar year, *in June and November for July and January sessions, respectively*. The availability of research guides will be notified in the Institute website www.sctimst.ac.in. The July selection is restricted to fellowship holders and MPhil (Biomedical Technology-SCTIMST) degree holders only.

Part time registration for the PhD program is available in Health Sciences at

AMCHSS. External or part time registration is not available for the PhD programs in other areas.

Minimum Educational Qualifications for Admission

Physical Sciences: Post graduate degree in Physics (All branches)

Chemical Sciences: Post graduate degree in Chemistry (All branches)

Biological Sciences/Biomedical Sciences: Post graduate degree in any branch of Life Sciences (Physiology, Biochemistry, Biotechnology, Zoology, Bioinformatics, Plant sciences etc.) / dentistry.

Bioengineering: Post graduate degree in Polymer Engineering/Technology, Material Science, Biomedical Engineering, Instrumentation Engineering, Biotechnology, Clinical Engineering, Biomedical Engineering, Electronics and Communication Engineering, Electrical & Electronics Engineering, Computer Science or Information Technology or any other Post Graduate Engineering degree holders whose research work is feasible at SCTIMST.

Biomaterial Science and Technology: MPhil (Biomedical Technology), Post graduate degree in Physics, Chemistry, Polymer Chemistry, Polymer Science, Material Science, Biotechnology or Veterinary Science.

Health Sciences: Post graduate degree in Modern Medicine, Public Health, Dentistry, Nursing, Veterinary Sciences, Demography, Economics, Sociology, Social Work, Political Science, Business Management (MBA), Public Administration, and Statistics. Other post graduate degrees may be approved by the Academic Committee after examining the merits of the suggestion.

Minimum marks required to apply:

Consistently good academic record with 60% (CGPA 6.5/10) marks in undergraduate and post graduate degree examinations. The applicants with degree in modern medicine, 60% marks for the postgraduate degree is not mandatory.

Medical Sciences: MBBS degree from any university recognized by National Medical Commission/ erstwhile Medical Council of India (MCI). Candidates should have completed one year compulsory rotating internship or its equivalent as recognized by NMC/MCI after passing the final year MBBS examination. Candidates should have full registration with a State Medical Council. Candidates with Post Graduate Medical qualifications (MD/MS/DNB) can also apply but no special reservation or preference will be given. Applicants should have 55% of marks in MBBS Degree and need to be holders of National Level fellowship from UGC/CSIR/ICMR.

Candidates should not have more than 2 attempts in MBBS program.

Available areas in Medical Sciences:

- (a) Neuro sciences
- (b) Cardiac Sciences and
- (c) Imaging Sciences & Interventional Radiology.

Method of selection

The selection of research scholars will be based on their performance in the written test and interview. Individual JRF holders (UGC, CSIR, ICMR and DBT) or MPhil (Biomedical Technology) degree holders of SCTIMST are exempted from the written test, and their selection will be based on interview only. Individual KSCSTE JRF, INSPIRE holders have to qualify in the written test and interview of this Institute.

Candidates awarded Senior Research Fellowships (SRF) from other sources (KSCSTE, UGC, CSIR, ICMR, etc.) have to qualify in the written test and interview conducted by the Institute.

Candidates must upload a **Research Proposal** (about 1000 words) and a **Statement of Purpose for undertaking a research career** (about 300 to 500 words) while submitting their application.

The Institute reserves its right to shortlist candidates based on the academic merit and scientific records of the applicants and the availability of research guides every year.

Number of seats and reservation

PhD registration is not guaranteed for the candidates who are selected for admission. Selected candidates are expected to interact with the recognized guides of the Institute and discuss with them regarding their research interest. A guide may accept a student based on the availability of slot, his/her areas of specialization, research interest of the student, availability of research grants and financial support available for the student. Adequate measures will be taken during the selection process to ensure representation of students from the reserved categories in the selection list. Candidates belong to reservation category are advised to contact the student reservation cell/nodal officer for scholarships at SCTIMST for more information about other schemes.

PhD for Scheduled Tribe (ST) category candidates

To empower ST communities, SCTIMST is offering five PhD fellowships for candidates belonging to ST community. For more details please refer the

prospectus for PhD program for Scheduled Tribe (ST) candidates available in the website.

Internal candidates for PhD registration

- 1) Any academic faculty member whose probation has been declared may register for the PhD program of the Institute.
- 2) All faculty members need to write the entrance exam and attend the interview for the same to qualify for registration to the PhD program.
- 3) These faculty members will be termed as internal candidates
- 4) Total duration of PhD program will be three to seven years.

Appointment of external guides for in-service employees

- a. Any academic faculty of BMT Wing whose probation has been declared may register for the PhD program of the Institute with an external guide from an IIT or NIT or other national Institutes, provided eligible guides are absent in SCTIMST in the field of research.
- b. These employees may select guides from the above institutes and the list of guides has to be approved by the Academic Committee of SCTIMST.
- c. It is mandatory that the PhD work has to be done at SCTIMST and the area of research is in line with SCTIMST's mandate for research and development.
- d. These faculties should also have an approved guide of SCTIMST as Co-guide to monitor the progress of the work.
- e. In the cases where the permanent internal faculty has been re-appointed through direct recruitment to a higher post, the past permanent employment and completion of probation in the lower post would be adequate to apply for PhD program.
- f. Funds provided for Institute work should not be diverted for thesis work. These employees should satisfy all the requirements of the Institute for the award of PhD degree.

Age limit

There is no age limit for admission to the PhD Program.

Fee structure - Refer page no.5.

PhD Manual

For all details, please refer to the PhD manual (General), PhD manual (Health Sciences) & SOP for students available in our website [www.sctimst.ac.in](http://sctimst.ac.in/Academic%20and%20Research/Academic/Guidelines,%20Manuals,%20Forms/)
(<http://sctimst.ac.in/Academic%20and%20Research/Academic/Guidelines,%20Manuals,%20Forms/>)

The candidates registered for PhD program at SCTIMST have the opportunity to do the research work at BMT wing/AMCHSS/Hospital wing.

BIOMEDICAL TECHNOLOGY (BMT) WING

Objectives

Promotion of Biomedical Engineering and Technology and development of post-graduate training programs of the highest quality in this area.

The present vision of the wing is to:

- Develop technologies which are competitive in the international market
- Carry out research in frontier areas of health care technology
- Provide testing support conforming to national/international standards

A team of scientists, engineers and technical staff work here in multidisciplinary areas, ranging from biomaterials development and characterization to medical devices development, evaluation and technology transfer. Over the last four decades, a number of products have been successfully developed and commercialized, catalyzing the growth of the medical device industry in India.

In the current context of globalization, a quality management system for its testing services conforming to ISO/IEC 17025 has been implemented, enabling international acceptance of test results. This system is now accredited by *Le Comite francais d'accreditation* (COFRAC) of France.

High quality research and publications have led to peer recognition as a valued scientific research institution nationally and internationally. This has resulted in many international collaborative research programs.

Research Opportunities and facilities:

Biomedical Technology Wing aims to bring advances in research outcomes of the laboratory into the clinical setting to benefit patients at the earliest opportunity. The exceptional infrastructure facilitated on the campus underpins biomedical research and enables advances to improve patient care. Institute has focused on creating resources to develop technologies that are cost-effective, accessible and responsive to the clinical needs of our population.

The material research group has a proven record of research towards synthesis and characterization of biomedical polymers, their characterization and testing for biocompatibility to qualify the material for medical applications. The engineering & device development group has successfully developed and commercialized critical products which include blood bag, artificial heart valve, and oxygenator.

Major programs include development of materials for orthopedic and dental applications, cardiovascular device fabrication, drug delivery systems, nanomedicine, sensors and tissue engineering scaffolds. Biological research focuses on the culture and differentiation of adult stem cells for regenerative medicine, *invitro* tissue engineering and development of bio therapeutics and diagnostic reagents.

Sophisticated analytical equipment are available in the campus for characterization of materials which include scanning and transmission electron microscopes, Raman & FT-Raman spectroscope, atomic force microscope, ICP, X-ray diffraction, micro computerized tomography, chromatography systems such as HPLC, gas chromatography and LCMS. Other routinely used and well-maintained equipment and facilities are available in all labs.

Important biological research equipment available are confocal microscope, environmental SEM, 3D bioprinting of tissues, 3D bioprinter, fluorescent activated cell sorter (FACS), Real Time PCR, ultra centrifuge and continuous flow centrifuge, Imaging systems for fluorescence/ luminescence/ radioisotope detection, live cell imaging, and facilities for proteomic and genomic analysis etc. apart from routinely used equipment that are available in almost all labs. Excellent cell culture and analysis facilities are present in almost all cell biology research labs.

The well maintained small and large animal experimental facility with excellent animal operating rooms provides the *in vivo* evaluation support. Toxicological evaluation of materials is done under GLP compliance. Tissue analysis is done to evaluate the results of experimental research using state-of-the-art histological/ immunochemical/imaging techniques facilitated with sophisticated sample processing and analysis tools.

Above all, BMT wing harness the academic and technological expertise of its multidisciplinary research faculty to conduct high-quality, patient-focused translational research. This involves taking research from the laboratory to the patient's bedside.

ACHUTHA MENON CENTRE FOR HEALTH SCIENCE STUDIES (AMCHSS)

AMCHSS, the Public Health and Health Sciences Wing of Sree Chitra Tirunal Institute for Medical Sciences and Technology is devoted to Public Health, and Social Sciences in relation to health care and development. It started the Master of Public Health (MPH) Program in January 1997, PhD Program in 2003 and Diploma in Public Health (DPH) in 2005. Central to its mission are:

- 1) Educating students to assume leadership roles in public health policy and practice;
- 2) Advancing knowledge of the social, biological, economic and behavioral dimensions of health and to perform costing, cost-efficiency, and epidemiological studies and policy analysis; and
- 3) To provide technical expertise and consultancy service on public health issues to the public, NGO and the private sector. The Ministry of Health and Family Welfare, Govt. of India has accepted this Centre as a "Centre of

Excellence for Public Health Training”.

There are part time and full time PhD program in Health Sciences. The part time registration for the PhD program is only available in Health Sciences at AMCHSS, not in other areas. There is no External or part time Registration for the PhD program in any other areas. PhD program is conducted at all three wings of SCTIMST.

1. MASTER OF PUBLIC HEALTH (MPH)

The objectives of the Master of Public Health course are:

1. To provide a broad understanding of the core areas of public health and related disciplines
2. To develop through a field-intense practical training program the individual ability to identify a health problem and conceptualize the related research questions, design a community-based study to investigate the problem, collect relevant data from the field, analyze the data and present the findings in a policy or scientific context.
3. To help acquire knowledge and skills to analyze health situations and help devise appropriate policies and programs in a cost-effective manner.
4. To inculcate inter disciplinary approach to problem solving skills in public health.

Duration

The program is a 24-month full time residential course commencing on the **first July** every year. This has been designed to build understanding, knowledge, skills and attitude for better public health practice and research.

Minimum Educational Qualifications for Admission

Medical graduates (MBBS), Dental graduates (BDS), Graduates of AYUSH(BAMS,BNYS, BUMS, BSMS, BHMS), BTech or BE (Any Branch) and graduates of four-year degree programs in veterinary/Nursing sciences, Bachelor of Physiotherapy, Bachelor of Occupational Therapy, Bachelor of Pharmacy, or students with a postgraduate degree in Statistics/Biostatistics, Demography, Population Studies, Nutrition, Sociology, Economics, Psychology, Anthropology, Social Work, Management or Law. "Work experience in a health-related field is desirable.

Age: 40 years as on **1st July 2023**.

Age relaxation can be given in exceptional cases.

Total no of seats: 25+3 (Reservation will be followed as per Govt.of India norms)

Course	Open seats	Reserved for					Total
		SC	ST	OBC	EWS	PwD (horizontal reservation)	
MPH	13	4	2	6	3	1	25+3

Method of selection

Indian students

Prospective candidates will be evaluated based on the basis of educational qualifications, professional experience in the area of public health, written test and interview. Overseas candidates have to provide certification for proficiency in English.

Overseas students

Selection will be based on educational qualifications, professional experience, assessments made by the sponsoring organizations and a telephonic interview. Applicants are required to submit two reference letters in sealed envelopes from experts in the field of Public Health along with the application form. Foreign national must apply through the Indian Council of Cultural Relations & the Ministry of External Affairs, Govt. of India, New Delhi

Fee Structure (please see fee structure in page 5): The course fee includes registration fee, examination fee, tuition fee, library fee and charges for the computer lab.

The course fee does not include the cost of books, stationery, field trips, dissertation etc.

Accommodation: Only limited numbers of rooms are available at BMT wing for the MPH Scholars. Preference shall be given to candidates from outside the state. Many students might need to find own accommodation.

2. DIPLOMA IN PUBLIC HEALTH (DPH)

This is envisaged to provide capacity building in public health for doctors working with various State or Central Government Departments or agencies. MBBS doctors working with Government Agencies having at least three years of work experience are considered for the course.

Duration: 1 Year (July 2023 to June 2024)

Minimum Experience required: 3 years in Government service after MBBS

Age Limit: Upto 50 years as on **01-07-2023**

Maximum number of seats: 10 + 1 (Reservation will be followed as per Govt.of India norms)

Course	Open seats	Reserved for					Total
		SC	ST	OBC	EWS	PwD (horizontal reservation)	
DPH	5	1	1	3	1	1	10+1

Selection : If there are more than 10 applications, selection will be based on the performance in written test and interview to be conducted at this Institute.

Medium of Instruction : English

Fee Structure: (please see fee structure in page no.5). The course fee includes registration fee, examination fee, tuition fee, charges for computer lab and does not include the cost of books, stationery, field trips, project work and so on.

Accommodation: Candidates eligible for admission may find their own accommodation.

COMMON FACILITIES FOR MPH & DPH STUDENTS

Computer lab: MPH & DPH Students have access to a state-of-the-art computer laboratory equipped with e-mail and internet facilities.

Equipment for Class Presentations: Video Projector(LCD), Over Head Projector and Slide Projector are available for class presentations.

Library: There is a good professional research and reference library with a substantial collection of books and journals on Public Health.

3. PHD IN HEALTH SCIENCES (FULL TIME AND PART TIME)

There is part time registration for the PhD program only in Health Sciences that also at AMCHSS. There is no External or part time Registration for the PhD program in any other areas.

Please refer PhD program Section (Page No.24)

FEE STRUCTURE (refer Page No.5)

For more details contact:

THE DEPUTY REGISTRAR

Division of Academic Affairs

SCTIMST, Trivandrum, Kerala- 695011, India.

Telephone: 91-471- 2524269/289/649/140

Fax: 91-471-2446433 E-mail: dreg@sctimst.ac.in Website: www.sctimst.ac.in

SPONSORED CANDIDATES (for all Programs)

Candidates will be considered as “sponsored” only when they are financially supported by the Government, Governmental agencies or Universities.

- For MD/DM/MCh Programs: The selection of the candidates for the course is through the counseling based on the rank list of the entrance examination of the INI-SS (Institutes of national Importance-Superspecialty) or INI-CET conducted by the AIIMS, New Delhi and further verification of certificates and other credentials/documents by SCTIMST. For further details on the entrance exam, admission and selection process, please visit the following website: <http://www.aiimsexams.ac.in>.

Application must be through proper channel and submit a “No Objection Certificate” from their employer along with their application forms. Government orders regarding sponsorship conditions with financial support must be submitted at the time of admission. The decision of the Institute regarding the eligibility of sponsorship shall be final.

1. Sponsored seats are available in all programs at SCTIMST as mentioned above.
2. All eligible sponsored candidates seeking admission will have to appear in the entrance examination and go through the process of selection as envisaged for all.
3. International candidates may be considered as sponsored candidates if sponsored by their government/governmental agencies and found to be eligible for admission as per the Medical Council of India/National Medical Commission
4. No other type of preference will be given to sponsored candidates.

Sponsored candidates are eligible for seven days Leave-on-duty for attending national conferences/workshops/seminars. They are not eligible for stipend/salary from the Institute, accommodation, HRA, medical reimbursement, travel grant, TA/DA and registration fee for conferences etc.

The number of sponsored candidates in any course will not exceed 50% of the number of seats in the general quota.

FOREIGN NATIONALS (for all Programs)

The Institute accepts foreign nationals for various courses but *there is no reservation of seats for foreign nationals*. Foreign nationals shall be considered as sponsored candidates (need to be sponsored by their government/governmental agencies and found to be eligible for admission as per the Medical Council of India/National Medical Commission(NMC)).

For MD/DM/Mch Programs :Admission to the program will be based on the rank

list in the entrance examination(INI-SS). They will be considered as sponsored category as per the rules and regulations mentioned under 'Sponsored Category'.

Foreign nationals are required to apply through the Indian Council of Cultural Relations & the Ministry of External Affairs, Government of India, New Delhi. It is advised that all international students take a medical insurance policy to meet the expenses of medical treatments during their course tenure at SCTIMST. A copy of the said insurance policy should be submitted at the time of the final admission.

Registration of foreign medical degree to Kerala Medical Commission (KMC)/Travancore- Cochin Medical Councils (TCMC) needs to be obtained at the time of admission for MD/DM/MCh Programs

JOINT PROGRAMS of SCTIMST, IIT MADRAS AND CMC VELLORE

1. MTech (Clinical Engineering)
2. PhD (Biomedical Devices and Technology)

Introduction

Over the last five decades, healthcare delivery has increasingly become technology-driven - be it diagnosis, treatment and rehabilitation of patients in the hospitals, or the development of new drugs, vaccines and medical devices. Today India imports almost 80% of the implants and devices used in our country. As a result, healthcare costs are high and continue to increase. To address this issue, a twofold strategy is needed. Firstly, it is required to set up the infrastructure and have trained human resources for indigenous technology development. Secondly, it is necessary to develop human resources for ensuring efficient and effective utilization of the technology at the healthcare delivery points - i.e., mainly in the hospitals.

The three institutions - IIT Madras, CMC Vellore, and SCTIMST Trivandrum, each having a set of unique strengths and facilities, have joined together in starting two programs - "MTech in Clinical Engineering" and "PhD in Biomedical Devices & Technology" to address the issue of capacity building for reducing India's dependence on imports of medical devices. A unique feature of these courses is the clinical attachment with maximum exposure to the clinical environment. This ensures that, at the end of the course, the students will be able to interact effectively with the clinicians, and other medical and paramedical staff in the hospital resulting in the identification of 'unmet clinical needs. This is also expected to trigger further research leading to the development of innovative indigenous healthcare technology.

Admission

(1) MTech (Clinical Engineering)

Aim: To train engineers to manage and ensure safe and effective use of technology in hospitals and healthcare delivery settings.

Duration: Two years (rotation through all the three institutions).

Eligibility: BE/BTech recognized four-year course; on the basis of GATE subject (AE, CE, CH, EC, EE, IN, ME,MN, MT, PI, TF, XE) and score.

Selection: Screening test and personal interview will be conducted by IIT, Madras.

(2) PhD (Biomedical Devices and Technology)

Aim: To build leaders who can contribute to: (a) immediate specific needs of industries, R & D laboratories, hospitals, etc., (b) to be innovators and entrepreneurs in Biomedical Devices and Technology.

Duration: According to the current requirements of IIT Madras

Eligibility: ME/MTech/MS(Engineering.) with the same eligibility conditions for IITM PhD entrance/ MSc Physics.

Selection: Screening test and personal Interview will be conducted by IIT, Madras

Hostel: Hostel facilities are available in all the three Institutions.

Stipend: As per IIT Madras norms.

Fees Structure: (to be paid for the period required at BMT Wing, SCTIMST):

A) FEES FOR THE JOINT PROGRAM- MTech (CE) AT SCTIMST

Sl. No	Items of Fees & Deposits	Fees (In Rupees)
A.	One time	
1.	Admission fees	1,000
2.	Registration Enrolment Fee	300
3.	Caution Deposit (refundable)	10,000
4.	Certificate fees	1,000
5.	Student Welfare Fund	500
6.	Identity Card	220
7.	Medical Exam Fee	100
	Total	13,120
	Refundable	10,000
B.	Semester	
1.	Tuition fee *	5,000
2.	Examination fee	300
3.	Library & Internet	500
	Total	5,800
C.	Hostel	
1.	Hostel Admission fee	250
2.	Hostel room rent (1500 x6)	9,000
3.	Hostel Caution Deposit (refundable)	1,000
	Total	10,250
	Refundable	1,000

* SC/ST students/scholars are exempted from payment of Tuition fee irrespective of their parental income.

B) FEES FOR PhD JOINT PROGRAM (BIOMEDICAL DEVICES AND TECHNOLOGY)

The same fee as the regular PhD program of SCTIMST for the period required at BMT Wing (please see the fee structure on page 05).

CO-ORDINATORS:

SCTIMST: Dr.Roy Joseph
Scientist - G, Department of Medical Devices Engineering,
SCTIMST, BMT Wing, Poojappura, Trivandrum -695 012. Kerala.
Tel: 0471-2520259 E-mail: rjoseph@sctimst.ac.in

IIT Madras: Prof. Arun K.Thittai
Professor, Department of Applied Mechanics (Biomedical Group)
MSB 232A, Indian Institute of Technology Madras
Chennai-600036, Tamil Nadu State
Tel: 044-22574053 Email: akthittai@iitm.ac.in

CMC Vellore: Prof. Sivakumar Balasubramanian
Head, Department of Bioengineering
Christian Medical College
Bagayam Vellore-632002
Tel: 0416-2285098 E-mail: siva82kb@cmcvellore.ac.in

For Application forms/number of seats/course fee etc., please visit the website of IIT, Madras, Chennai (www.biotech.iitm.ac.in).

For further enquiries please contact:

The Deputy Registrar
Division of Academic Affairs
Sree Chitra Tirunal Institute for Medical Sciences and Technology
Trivandrum - 695011, Kerala, India.
Telephone: 91-471-2524140, 2524269
Fax: 91-471-2446433 E-mail: dreg@sctimst.ac.in
Website: www.sctimst.ac.in

AFFILIATED PROGRAMS OF SCTIMST CONDUCTED AT:

1) NATIONAL INSTITUTE OF EPIDEMIOLOGY, CHENNAI

The National Institute of Epidemiology (NIE), ICMR School of Public Health, Chennai, which is an institution under the Indian Council of Medical Research (ICMR) is offering a **Master of Public Health (Epidemiology and Health Systems)** under the affiliated program of SCTIMST. The course commences on 1st July every year. The duration of the course is two years. The program is structured on a “learning by doing” model comprising four contact sessions across 13 months at NIE interspersed and with three field postings of 11 months duration (24 months duration in total).

Eligibility

Applicants having the following criteria will be eligible to apply for the course:

- MBBS degree recognized by the Medical Council of India
- Three year’s experience in public health-related activities after MBBS
- Age up to 45 years of on the date of commencement of the course
(1st of July every year)

Method of selection: Please refer to the information brochure of NIE, Chennai

For more details, please contact:

THE DIRECTOR National Institute of Epidemiology (NIE) R-127, TNHB, Ayappakkam, Chennai - 600 077, Tamil Nadu Phone: +91-44-26136420, Fax: +91-44-26820464/26136426 Email: directorne@dataone.in; nieicmr@gmail.com Website: www.nie.gov.in	THE DEPUTY REGISTRAR Division of Academic Affairs Sree Chitra Tirunal Institute for Medical Sciences and Technology Trivandrum - 695 011, Kerala Phone: +91 -471- 2520140 Fax: +01-471-2446443 Email: dreg@sctimst.ac.in, Website: www.sctimst.ac.in
---	--

2) CHRISTIAN MEDICAL COLLEGE (CMC), VELLORE

The following affiliated programs of SCTIMST are offered at the Christian Medical College, Vellore.

- a) **Master of Science (MS) Bioengineering**
- b) **PhD in Bioengineering/ Biomedical Sciences/ Health Sciences**
- c) **Master of Public Health**

Eligibility

a). MS Bioengineering applicants should have:

- i. An undergraduate degree in engineering, preferably electrical, electronic, mechanical, computer science or equivalent.
- ii. A qualifying GATE score is required.

b) PhD in Bioengineering applicants should have:

- i. An undergraduate degree in engineering, preferably electrical, electronics, mechanical, computer Science or equivalent, and a Masters degree in Engineering preferably Bioengineering, Biomedical Engineering, Electrical, Electronics, Mechanical or equivalent.
- ii. **A qualifying GATE score is required.**
- iii. **Some exposure to college level Biology or Biomedical Research.**

c). PhD in Biomedical Sciences applicants should have:

The qualification as per the criteria given above for PhD in Biological Sciences/ Biomedical Sciences stream.

d) PhD in Health Sciences applicants should have:

Qualification as per the criteria given above for PhD in Health Sciences stream.

e) . Master of Public Health

Who can apply: Medical graduates (MBBS), Dental graduates (BDS), Graduates of AYUSH (BAMS, BNYS, BUMS, BSMS, BHMS), BTech or BE (Any Branch) and graduates of four-year degree programs in Veterinary/Nursing sciences, Bachelor of

Physiotherapy, Bachelor of Occupational Therapy, Bachelor of Pharmacy, or students with a postgraduate degree in Statistics/Biostatistics, Demography, Population Studies, Nutrition, Sociology, Economics, Psychology, Anthropology, Social Work, Management or Law.” Work experience in a health- related field is desirable.

Core course subjects will be taught in the first year (60 credits). Teaching methods will include didactic lectures, assignments, exercises, community work for data collection, analysis and visit to public health/administrative facilities

Admissions:

Application to MS and MPH programs is usually advertised at CMC, Vellore in February, and candidates must apply before the end of April. An interview of short-listed candidates will be called in June to select suitable candidates. Term starts in the last week of July.

Duration of course:

MS Bioengineering – two years

PhD in Bioengineering / Biomedical sciences – Normally three years, extendable up to five years.

PhD Life Sciences needs to follow the rules/regulations specified in the PhD manual (General)/ Admission Notifications / SOP for students.

Master of Public Health - two years

Apply to CMC Vellore and selection tests /interview will be held there.

<i>For Admission and Further Details, Please Contact:</i>	
<p><i>For MS & PhD in Bioengineering:</i></p> <p>Prof. Sivakumar Balasubramanian Head, Department of Bioengineering Christian Medical College Bagayam Vellore-632002 Tel: 0416-2285098 E-mail: siva82kb@cmcvellore.ac.in</p>	<p><i>For MPH program:</i></p> <p>Prof. Vinod Abraham Head, Dept. Community Health Christian Medical College, Vellore E-mail: chad@cmcvellore.ac.in</p>
<p>The Deputy Registrar Division of Academic Affairs Sree Chitra Tirunal Institute for Medical Sciences and Technology Trivandrum - 695011 Tel: (0471) 2520440 , 2524140 E-mail: dreg@sctimst.ac.in</p>	

3) INDIAN INSTITUTE OF INFORMATION TECHNOLOGY AND MANAGEMENT KERALA (IIITMK)

Indian Institute of Information Technology and Management Kerala IIITMK (IIITMK) is an autonomous educational institution established by Government of Kerala in the year 2000. IIITMK is a multidisciplinary postgraduate institute conforming to the needs of building capacity at advanced levels of Electronics, Computer Science and Information Technology by realizing the dreams of students for higher knowledge with great emphasis in Science, Technology and Innovation. Located in the Technopark Campus in Trivandrum, IIITMK has an enviable academic ambience. IIITMK is offering PhD program under the affiliated programs of SCTIMST.

PhD program: One PhD student position is available with an approved guide in the affiliated PhD program conducted at the Medical Image Computing and Signal Processing Group (<https://www.iiitmk.ac.in/MedImagCompLab/>), IIITMK; in the following major areas:

Medical imaging systems and Technology, Signal processing in MRI, Artificial intelligence in Medical image Reconstruction.

Eligibility

Engineering Post graduate degree (MTech or equivalent), with specialization in Electronics/ Communication Engineering/ Biomedical engineering with 60% marks in graduation and post-graduation (CGPA 6.5 out of 10)

Selection Criteria: Selection is same as that of SCTIMST mentioned above.

For more details, please contact:	
THE REGISTRAR IIITM-Kerala,IIITM-K Building, Techno park Campus Trivandrum Kerala 695 581 India Tel:+ 91 4712784100 Email: registrar@iiitmk.ac.in	THE DEPUTY REGISTRAR Division of Academic Affairs Sree Chitra Tirunal Institute for Medical Sciences and Technology Trivandrum - 695 011, Kerala Phone:+91 -471- 2520140 Fax:+01-471-2446443 Email: dreg@sctimst.ac.in, Website: www.sctimst.ac.in

APPLICATION PROCEDURE

Application form and application fee to be submitted through ONLINE MODE ONLY (Website: www.sctimst.ac.in).

All bank charges are to be borne by the applicant.

Application Fee (In Rupees)

Postdoctoral fellowship (PDF) ` 2000 (`1600 for SC/ST candidates)

PhD/MPH/DPH `1500 (`1200 for SC/ST candidates)

Diploma/PG Diploma/ Advanced certificate courses `800 (`640 for SC/ST candidates)

The hard copy of the duly signed online generated application form along with original and self-attested copies of the certificates proving age, essential qualifications, Medical/Nursing council registration certificate, proof of caste certificate; if eligible for reservation, No objection certificate; if employed, proof of fee payment and other relevant documents are to be produced at the time of admission.

INSTRUCTIONS

1. Read the instructions available on the website before filling out the application form.

2. Fill up the Application Form online carefully.

3. If you are an employee of a State or Central Government or Public Sector Undertaking, No objection certificate should be obtained from the employer prior to the submission of the online application. The application will not be considered if NOC is not uploaded with the application.

4. No intimation will be sent to candidates not called for the Entrance Examination or not selected and no correspondence on this subject will be entertained.

5. The rules are subject to change in accordance with decisions of the Institute taken from time to time.

6. All the correspondence will be through the registered email/mobile phone.

Checklist of documents to be uploaded at the time of online application

1. Photograph (Passport size with white background)

2. Document to prove age

3. Caste certificate for SC/ST/OBC (Non-creamy layer) issued by revenue authorities not below the rank of a Tahsildar (valid as per Govt. of India norms).

4. Eligible candidates applying under the EWS category are required to produce an EWS certificate issued by a competent authority in the prescribed format given in the annexure.

5. "No Objection Certificate" in case of employed candidates

6. Certificates to prove academic qualifications, marks, achievements and experience.

7. Registration Certificate: Medical (MBBS/MD/MS/DNB)/Nursing

8. Candidate should furnish a certificate from the respective colleges to the effect that the Department/Course is recognized by MCI or National Medical Commission (applicable only for postdoctoral courses).

Note: In the case of PDF programs, those who have not completed DM & MCh/ equivalent courses at the time of interview shall produce the original certificates at the time of joining.

HALL TICKET/CALL LETTER

Eligible candidates for the entrance examination can download the Hall Ticket/ Call letter ten days prior to the scheduled date for the entrance examination from the SCTIMST website www.sctimst.ac.in. Intimation regarding hall ticket will be sent to the candidate's registered e-mail ID.

VENUE FOR ENTRANCE EXAMINATION

PDF, Diploma/PG Diploma, ACP and PhD programs	SCTIMST, Thiruvananthapuram
MPH and DPH programs	As per the Notification published in March or April, 2023

Definition of categories:

Unreserved (UR) candidates: Unreserved stands for all applicants including overseas citizen of India.

Other Backward Class-Non Creamy Layer (OBC-NCL) Candidates: Under the OBC-NCL category, only castes as mentioned in the Central list of OBCs, published by the Department of Personnel and Training, Government of India, will be considered. In addition, the candidate should also satisfy the condition of the non-creamy layer as defined by the Government of India. The OBC-NCL candidates seeking the benefits of reservation are required to produce the recently issued

original certificate by a competent authority in the prescribed format given in Annexure - I. The certificates (in original) must be produced at the time of verification at the specified Reporting Centres, failing which the candidature will not be considered for admission under the OBC-NCL category.

Scheduled Caste/Scheduled Tribe (SC/ST) Candidates

The seats are reserved for the candidate belonging to SC/ST as per Government Instructions, provided candidates fulfil the minimum admission requirements prescribed by the institute for the purpose. The candidates belonging to SC/ST are required to furnish certificate from a revenue officer not below the rank of Tahsildar, sub divisional officer of the area where the candidate and /or his family normally resides. The documents (in original), must be produced at the time of verification at the specified Reporting Centres, failing which the candidature will be cancelled. Seats that remain vacant under the ST category shall be allotted to SC candidates, if there are no eligible ST candidates. Seats remaining vacant under the SC/ST categories shall not be filled by candidates belonging to any other category.

Persons with Disabilities (PwD) Candidates:

5% seats are reserved for PwD candidates in MPH, DPH, MPhil and Diploma/PG Diploma/Certificate programs. The benefit of reservation shall be given only to those who have at least 40% physical impairment. Candidates seeking benefit under this category are requested to produce original certificates along with a copy, issued by a district medical board/ competent authority, at the time of entrance examination at the specified Reporting Centres, failing which the candidature will not be considered for admission under the PwD category.

Economically Weaker Sections (EWS) Candidates: Eligible candidates applying under EWS category are requested producing EWS certificate issued by a competent authority in the prescribed format given in the annexure - II. Certificates in any other format will not be accepted. The certificate (in original and a copy) must be produced at the time of verification at the specified Reporting Centres, failing which the candidature will not be considered for admission under the EWS category

ANTI RAGGING AFFIDAVIT

Ragging in all its forms is prohibited in the Institute

All candidates at the time of admission to the Institute will be required to furnish an undertaking in the form of an affidavit that the candidate will not indulge in any form of ragging and, if found ragging, the Institute may take appropriate action against the erring students.

Regarding ragging the directive of the Hon'ble Supreme Court will be followed strictly. It is as under: "As per the direction of the Hon'ble Supreme Court of India, the Government has banned ragging completely in any form inside and outside of the campus and the Institute authorities are determined not to allow any form of the ragging. Whoever directly or indirectly commits, participates in abets or instigates ragging within or outside any educational Institution, shall be suspended, expelled or rusticated from the Institution and shall also be liable to a fine which may extend to Rs.10,000/-. The punishment may also include cancellation of admission, suspension from attending the classes, withholding/withdrawing fellowship/scholarship and other financial benefits, or withholding or cancelling the result. The decision shall be taken by the Head of the Institution."

Prohibition of and Punishment for Ragging:

1. Ragging in any form is strictly prohibited, within the premises of the Institution and any part of SCTIMST and also outside SCTIMST.
2. Ragging for the purpose of these rules, ordinarily means any act, conduct or practice by an individual or any collective act by which dominant power or status of a senior students/residents is brought to bear on students/residents freshly enrolled or students/residents who are, in any way, considered junior or inferior by other students/residents which;
 - i) Involve physical assault or threat or use of physical force.
 - ii) Violate the status, dignity and honor of women students.
 - iii) Violate the status, dignity and honor of physically disabled/transgender students.
 - iv) Violate the status; dignity and honor of students/residents belonging to the Scheduled Castes, Scheduled Tribes and other Backward Castes.
 - v) Exposes student/resident to ridicule and contempt and affect their self-esteem.
 - vi) Entail verbal abuse and aggression, indecent gesture and obscene behavior.

3) The Dean, Associate Dean, Registrar, Hostel Warden and HoDs of SCTIMST may suo-moto enquiry into any ragging incident and report to the Director of the identity of those who have engaged and the nature of the incident. The Director of SCTIMST shall take necessary action based on the report.

Any person aggrieved in this matter may fearlessly approach the Student Grievance and Redressal Committee/Anti-ragging committee/Associate Dean (Faculty and Student Affairs)/ Division of Academic Affairs of SCTIMST for a fair and concerned hearing and redressal.

Anti-Ragging Committee

1	Director	Chairman
2	HoD, Cardiology	Member
3	HoD, CVTS	Member
4	HoD, Neurology	Member
5	HoD, Neurosurgery	Member
6	HoD, Anaesthesiology	Member
7	HoD, IS&IR	Member
8	Lecturer in Nursing	Member
9	One Parent Representative	Member
10	One Junior student representative	Member
11	One Senior student representative	Member
12	Mrs. Priya P., Administrative Officer	Member
13	AAO (Academic)	Convener

IMPORTANT CONTACT ADDRESSES

<i>Designation</i>	<i>Name</i>	<i>Telephone No.</i>	<i>email-ID</i>
Director	Dr. Sanjay Behari	91-471 - 2524400	director@sctimst.ac.in
Head BMT Wing-I/C	Dr. Harikrishna Varma P.R.	91-471 - 2520201	headbmtw@sctimst.ac.in
Dean (Academic Affairs)	Dr. Ajit Kumar V.K	91-471 - 2524455	dean@sctimst.ac.in
Head AMCHSS	Dr. Biju Soman.	91-471 - 2524230	bijusoman@sctimst.ac.in
Associate Dean (PhD Program)	Dr. Mohanan P.V.	91-471 - 2520266	mohanpv@sctimst.ac.in
Associate Dean (Research & Publication Cell)	Dr. Harikrishnan S.	91-471 - 2524457	drhari@sctimst.ac.in
Associate Dean (Faculty & student affairs)	Dr. Sylaja P.N.	91-471 - 2524482	sylajapn@sctimst.ac.in
Associate Dean (Health Science Studies)	Dr. Srinivasan K.	91-471 - 2524243	ksrini@sctimst.ac.in
Associate Dean (Curriculum & Examinations)	Dr. Manikandan S.	91-471 - 2524463/ 2524575	kanmanis@sctimst.ac.in
Registrar	Dr. Santhosh Kumar B.	91-471 - 2524150	reg@sctimst.ac.in
Deputy Registrar	Ms. Radha M.	91-471 - 2524140	dreg@sctimst.ac.in
Asst. Admin. Officer (Academic)	Ms. Chithra T.S.	91-471 - 2524269	regoffice@sctimst.ac.in

HEADS OF DEPARTMENTS/DIVISIONS

<i>Dept/Divn</i>	<i>Head</i>	<i>Telephone No.</i>	<i>email-ID</i>
AMCHSS	Dr. Biju Soman.	91-471-2524230	bijusoman@sctimst.ac.in
HOSPITAL WING			
Anaesthesiology	Dr. Shrinivas V.G	91-471-2524424	shri@sctimst.ac.in
Biochemistry-I/C	Dr. Srinivas G.	91-471-2524689	srinivasg@sctimst.ac.in
Division of Clinical Engineering	Er. Shaj Upendran	91-471-2524123	shaj@sctimst.ac.in
Cardiology	Dr. Krishnamoorthy K.M.	91-471-2524452	kmkm@sctimst.ac.in
Cardiovascular & Thoracic Surgery	Dr. Baiju S. Dharan	91-471-2524648	baijUSD@sctimst.ac.in
Computer Division-I/C	Er. Suresh Kumar B	91-471-2524632	suresh@sctimst.ac.in
Transfusion Medicine	Dr. Debashish Gupta	91-471-2524476	dgupta@sctimst.ac.in
Microbiology	Dr. Kavita Raja	91-471-2524222	kavita_raja@sctimst.ac.in
Neurology	Dr. Sylaja P.N.	91-471-2524482	sylajapn@sctimst.ac.in
Neurosurgery	Dr. Easwer H.V.	91-471-2524632	easwer@sctimst.ac.in
Nursing Education	Ms. Suja Raj L.	91-471-2524416	ins@sctimst.ac.in
Pathology-I/C	Dr. Deepti. A. N.	91-471-2524605	akkihebbal@sctimst.ac.in
Imaging Sciences and Interventional Radiology	Dr. Bejoy Thomas	91-471-2524220	bejoy@sctimst.ac.in
Medical Records	Mr. Sivaprasad R.	91-471-2524415	smro@sctimst.ac.in

BIOMEDICAL TECHNOLOGY WING			
Head, BMT Wing -I/C	Dr. Harikrishna Varma P.R	0471-2520201	varma@sctimst.ac.in
Assoc. Head, BMT Wing	Er. Muralreedharan C.V.	0471-2520259	muralicv@sctimst.ac.in
Department of Applied Biology	Dr. Mohanan P.V.	0471-2520266	mohanpv@sctimst.ac.in
Dept. of Biomaterials Sciences & Technology	Dr. Manoj Komath	0471-2520320	manoj@sctimst.ac.in
Dept. of Medical Devices Engineering	Dr. Ramesh P.	0471-2520225	rameshp@sctimst.ac.in
Dept. of Technology & Quality Management	Er. Balram S.	0471-2520308	balrams@sctimst.ac.in

STUDENT RESERVATION & EQUAL OPPORTUNITY CELL

1.	Associate Dean (Faculty & Student Affairs)	Liaison Officer (Ex-officio)
2.	Nodal officer for scholarships to students in the Institute	Member (Ex-officio)
3.	Dr. Roy Joseph	Scientist - G., BMT Wing - Member
4.	Dr. Biju Soman	Professor, AMCHSS - Member
5.	Dr. Unnikrishnan K.P.	Professor, Dept. of Anaesthesiology - Member
6.	Er. Ranjith G.	Engineer - E - Member
7.	Mr. A.Imthiaz Ahamed .	Parent representative
8.	Registrar	Member
9.	Mr.Sunil L., Animal Handler-A	PWD Member
10.	Ms. Deepthy Chandran A.	Student Member
11.	Dy Registrar	Convener

Students Grievance and Redressal Committee

Prof. Shrinivas V.G.	Chairman	+91-471-2520241	shri@sctimst.ac.in
Prof. Narayanan Namboodiri K.K.	Member	+91-471-2524384	kknamboodiri@sctimst.ac.in
Dr. Krishnakumar K	Member	+91-471-2524246	kkns@sctimst.ac.in
Dr. Anoopkumar T	Member	+91-471-2520256	anoop@sctimst.ac.in
Prof. Rakhal Gaitonde	Member	+91-471-2520241	rakhal.gaitonde@sctimst.ac.in
Dr. Raviprasad Varma	Member	+91-471-2520261	rpvarma@sctimst.ac.in
Smt. Suja Raj	Member	+91-471-2520416	ins@sctimst.ac.in
Ms. Deepthi Chandran	Student Member	+91-471-2520596	deepthy@sctimst.ac.in

A student member representing the wing where the grievance has occurred to be nominated by the Dean/Director

DISCLAIMER

While every effort has been made to ensure the accuracy of this information at the time of publication, addition, updates, alterations and changes in circumstances may occur between the time of publication and the time the user views the information. The Institute advises users to verify the accuracy and completeness of the information with the Academic Division in case of any doubt (0471-2524269).

.....

BOND FORMAT FOR Senior Residents /Junior residents

ARTICLES OF AGREEMENT, made this day of _____ Two thousand and twenty-two between _____

son/daughter of _____ (hereinafter called the Senior Resident/Junior Resident) of the one part and Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum (hereinafter called the Institute' through its Director) of the other part.

WHEREAS the Institute intends to admit the part of the first part as a Senior Resident/Junior Resident for a period of three years commencing from the _____ day of January, 2023.

AND WHEREAS it has been agreed between the parties hereto that the Senior Resident/Junior Resident shall serve the Institute on the terms and conditions herein contained.

NOW THESE PRESENTS witness and the parties here to respectively agree as follows:

1. The Senior Resident/Junior Resident shall submit himself/herself to the orders of the Institute and Officers and authorities under whom he/she may from time to time be placed by the Director, Sree Chitra Tirunal Institute for Medical Sciences and Technology shall serve as _____ Senior Resident/Junior Resident for a period of 03 years commencing from the _____ day of January, 2023 until his/her services are terminated previously as hereinafter provided.
2. The services of the Senior Resident/Junior Resident may be terminated as follows:
 - (i) By the Director of the Institute without any previous notice if the Director of the Institute is satisfied on medical evidence that the Senior Resident/Junior Resident is unfit and is likely for a considerable period to continue unfit by the reason of ill health for the discharge of his/her duties PROVIDED ALWAYS that the decision of the Director that the Senior Resident//Junior Resident is unfit and is likely to continue unfit, shall be conclusive and binding on him/her.
 - (ii) By the Director of the Institute without any previous notice, if the Senior Resident/Junior Resident shall be guilty of any insubordination, interference or other misconduct or any breach or nonperformance of any of the provisions of the agreement, or of any rules pertaining to the Institute, PROVIDED ALWAYS that the decision of the Director of the Institute in this behalf shall be conclusive and binding on him/her.
 - (iii) By thirty days notice in writing given at any time during service under this Agreement by the Director of the Institute or its authorized officer to him/her, without cause assigned.

PROVIDED ALWAYS that the Director of the Institute may in lieu of any notice herein provided for, give the Senior Resident/Junior Resident a sum equivalent to the amount of his/her salary for thirty days or shorter notice than thirty days.

3. If the Senior Resident/Junior Resident be suspended from duty in connection with any investigation into his/her conduct, he/she shall not be entitled to any salary during such period of suspension.
4. The Senior Resident/Junior Resident shall devote his/her whole time to the duties of the said service and shall not engage, directly or indirectly, in any trade/business/occupation/or profession (including any private practice) on his/her own account and shall not (except in case of accident or sickness certified by competent medical authority) absent himself/herself from his/her said duties without having first obtained permission from the Director of the Institute or its authorized officers.
5. The Senior Resident/Junior Resident shall not, except as provided in this Agreement, resign his/her position without completing the course to which he/she has been admitted by the Institute. Concerned defaulter shall be liable to pay an amount of ` 50,00,000/- (Rupees Fifty Lakhs). if decided to leave after the last date of closure of admission, ie on or after _____.03.2023.
6. With effect fromday of.....2023 the Institute shall pay the Senior Resident/Junior Resident so long as he/she remains in the said capacity and actually performs his/her duties as aforesaid, a monthly salary as per the Institute rules.
7. The Senior Resident/Junior Resident should pay the prescribed annual tuition fee on or before 31st January of subsequent academic years.
8. The Senior Resident shall be eligible for such concession in relation to a medical attendance and treatment as may be prescribed by the Institute.
9. The Senior Resident/Junior Resident will be provided as per their entitlement, single/Double/family accommodation in the hostel. The Senior Resident/Junior Resident shall have to abide by the rules and regulations of the hostel of the Institute where he is accommodated and shall occupy the room allotted to him / her only as a licensee. When the Institute is unable to offer eligible accommodation, HRA may be paid to such Senior Residents/Junior Resident as per Institute Rules.
10. The Senior Resident/Junior Resident shall vacate the accommodation given to him / her as aforesaid within 10 days of the expiry of the term or earlier in the event of early termination of Senior Residents/Junior Residents. The Director of the Institute, where such accommodation is provided, shall be entitled to take action for eviction in case the Senior Resident/Junior Resident fails or neglects to vacate such an accommodation and delivery of peaceful possession thereof to the Director.

11. Besides academic working in pursuance of studies he/she shall carry out all the duties and responsibilities required of him/her to be performed as assigned by the Head of the Department/Units where he/she will be placed in the discharge of patient care and maintenance of records and such other clinical and technical duties as may be assigned to him/her by the aforesaid authorities from time to time in the interest of efficient patient care and running of the hospital. The decision of Director of the Institute as to whether the Senior Resident/Junior Resident has satisfactorily carried out all the duties and responsibilities aforesaid shall be final and binding on the Junior Resident.
12. The working hours of the Senior Resident/Junior Resident will not normally exceed continuous duty for more than twelve hours in a day, subject to such exigencies as may arise in the working of the Department (Units/Wards) where he/she may be placed and in this respect also the decision of the Director of the Institute shall be final and binding on the Senior Resident/Junior Resident.
13. The Senior Resident/Junior Resident shall be liable to be on call and stay duties, which shall not normally exceed 12 hours at a time.
14. During the term he/she shall be entitled to leave as per the rules of the Institute.
15. The Senior Resident/Junior Resident shall not be allowed to apply for a job position /assignment elsewhere during the course of his/her studies and such application shall not be forwarded during the validity of the agreement.
16. The Senior Resident/Junior Resident shall not be issued certificate/testimonial of any kind bearing evidence of satisfactory work, experience, performance etc. in case of discontinuation of his/her studies.
17. Ragging in any form is prohibited in the Institute and those found resorting to ragging of fellow Senior Residents/Junior Resident and if found guilty will be dismissed from the Institute. I have read this note and abide by it.

IN WITNESS WHERE OF the Senior Resident/Junior Resident and the Dean of the Institute for and on behalf of the Institute have here to set their hands the day and year first herein above written.

Surety terms

Signed by (in block letters) in the presence of witnesses.

(Name and Signature of the Senior Resident/Junior Resident)

Signature of Witness with Name & Address

1.

2.

DEAN (Academic Affairs)

For and on behalf of SCTIMST, Thiruvananthapuram.

ANNEXURE - II

Ia Senior Resident/Junior Resident at the Sree Chitra Tirunal Institute for Medical Sciences and Technology, understand that I will be assessed at the end of six months after my admission to the said course, for my academic ability, desire for training, acquisition of competence, commitment to patient care, interpersonal relationship etc. I also understand that, in case my scoring is low, I will be given a chance to improve in the next 3 months and unsatisfactory, my registration will be terminated.

I undertake to complete the said course as per the requirements of the Sree Chitra Tirunal Institute for Medical Sciences & Technology. In the event of my leaving the studies, an amount of `50,00,000/- (Rupees Fifty Lakhs) if decided to leave on or after the second day of joining.

Date:

Signature of the Candidate

Signed in the presence of Witnesses: (Name & Address)

1. Signature

2. Signature

BOND FORMAT FOR DIPLOMA STUDENTS

ARTICLES OF AGREEMENT, made this day of _____, January

Two thousand and Twenty-two between _____
son/daughter of _____ (hereinafter called
the student) of the one part and SreeChitraTirunal Institute for Medical Sciences &
Technology, Trivandrum (hereinafter called the 'Institute' through its Director) of
the other part.

WHEREAS the Institute intends to admit the party of the first part as a student for
a period of 02 years commencing from the _____ day of January, 2023.

AND WHEREAS it has been agreed between the parties hereto that the student
shall serve the Institute on the terms and conditions herein contained.

NOW THESE PRESENTS witnesseth and the parties here to respectively agree
as follows:

1. The student shall submit himself/herself to the orders of the Institute and
Officers and authorities under whom he/she may from time to time be placed by
the Director, SreeChitraTirunal Institute for Medical Sciences & Technology and
shall serve as _____ student for a period
of 02 years commencing from the _____ day of January, 2023 until his/her
services are terminated previously as hereinafter provided.

2. The services of the student may be terminated as follows:

a. By the Director of the Institute without any previous notice if the Director of
the Institute is satisfied on medical evidence that the student is unfit and is likely
for a considerable period to continue unfit by the reason of ill health for the
discharge of his/her duties PROVIDED ALWAYS that the decision of the
Director that the student is unfit and is likely to continue unfit, shall be conclusive
and binding on him/her.

b. By the Director of the Institute without any previous notice, if the student
shall be guilty of any insubordination, interference or other misconduct or any
breach or nonperformance of any of the provisions of the agreement, or of any
rules pertaining to the Institute, PROVIDED ALWAYS that the decision of the
Director of the Institute in this behalf shall be conclusive and binding on him/
her.

c. By thirty days notice in writing given at any time during service under this

Agreement by the Director of the Institute or its authorized officer to him, without cause assigned.

PROVIDED ALWAYS that the director of the Institute may in lieu of any notice herein provided for, give the student a sum equivalent to the amount of his/her stipend/scholarship for thirty days or shorter notice than thirty days.

3. If the student be suspended from duty in connection with any investigation into his/her conduct, he/she shall not be entitled to any stipend/scholarship during such period of suspension.

4. The student shall devote his/her whole time to the duties of the said service and shall not engage, directly or indirectly, in any trade/business/occupation/or profession (including any private practice) on his/her own account and shall not (except in case of accident or sickness certified by competent medical authority) absent himself/herself from his/her said duties without having first obtained permission from the Director of the Institute or its authorized officers.

5. The student shall not, except as provided in this Agreement, resign his/her position without completing the course to which he/she has been admitted by the Institute. Concerned defaulter shall be liable to pay a sum equivalent to 6 months stipend/ scholarship.

6. With effect from _____ day of January 2023 the Institute shall pay the student so long as he/she remains in the said capacity and actually performs his/her duties as aforesaid, a monthly stipend/scholarship as per the Institute rules.

7. The student should pay the prescribed annual tuition fee on or before 31st January of subsequent academic years.

8. The student shall be eligible for such concession in relation to a medical attendance and treatment as may be prescribed by the Institute.

9. The student will be provided single/shared accommodation in the hostel. The student shall have to abide by the rules and regulations of the hostel of the Institute where he is accommodated and shall occupy the room allotted to him/her only as a licensee.

10. The student shall vacate the accommodation given to him/her as aforesaid within 10 days of the expiry of the term or earlier in the event of early termination of studentship. The Director of the Institute, where such accommodation is

provided, shall be entitled to take action for eviction in case the student fails or neglects to vacate such an accommodation and delivery of peaceful possession thereof to the Director.

11. Besides academic working in pursuance of studies he/she shall carry out all the duties and responsibilities required of him/her to be performed as assigned by the Head of the Department/Units where he/she will be placed in the discharge of patient care and maintenance of records and such other clinical and technical duties as may be assigned to him/her by the aforesaid authorities from time to time in the interest of efficient patient care and running of the hospital. The decision of Director of the Institute as to whether the student has satisfactorily carried out all the duties and responsibilities aforesaid shall be final and binding on the student.

12. The working hours of the student will not normally exceed continuous duty for more than twelve hours in a day, subject to such exigencies as may arise in the working of the Department (Units/Wards) where he/she may be placed and in this respect also the decision of the Director of the Institute shall be final and binding on the student.

13. The student shall be liable to be on call duty, which shall not normally exceed 12 hours at a time.

14. During the term he/she shall be entitled to leave as per the rules of the Institute.

15. The student shall not be allowed to apply for a job position/assignment elsewhere during the course of his/her studies and such application shall not be forwarded during the validity of the agreement.

16. The student shall not be issued certificate/testimonial of any kind bearing evidence of satisfactory work, experience, performance etc. in case of discontinuation of his/her studies.

17. Ragging in any form is prohibited in the Institute and those found resorting to ragging of fellow students and if found guilty will be dismissed from the Institute. I have read this note and abide by it.

IN WITNESS WHERE OF the student and the Dean, Academic Affairs of the Institute for and on behalf of the Institute have here to set their hands the day and year first hereinabove written.

Signed by
.....(in block letters)
in the presence of witnesses.

(Signature of the student) Witness Signature

1.

2.

DEAN, Academic Affairs

For and on behalf of SCTIMST, Thiruvananthapuram.

ANNEXURE- VI

1. I _____ a student of _____ at the Sree Chitra Tirunal Institute for Medical Sciences & Technology, understand that I will be assessed at the end of six months after my admission to the said course, for my academic ability, desire for training, acquisition of competence, commitment to patient care, interpersonal relationship etc. I also understand that, in case my scoring is low, I will be given a chance to improve in the next 3 months and if found unsatisfactory, my registration will be terminated.

2. I undertake to complete the said course as per the requirements of the Sree Chitra Tirunal Institute for Medical Sciences & Technology. In the event of my leaving the studies, in midterm should pay a sum equivalent to six months stipend/scholarship as compensation to the above Institute.

3. I hereby agree to the above terms, unconditionally.

Date:

Signature of the Candidate

Signed in the presence of Witnesses:

1. Name & Address of the Witness

Signature:

2. Name & Address of the Witness

Signature: