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 PROGRAMS

सत्र - 2026
SESSION - 2026

www.sctimst.ac.in

CONTENTS	Page No.
Introduction	3
Summary of the Programs on Offer	5
Fee Structure	6
I. Post Doctoral Programs	7
- No. of Seats, Duration and Eligibility	7
- Method of Selection	9
- Salary/Stipend	9
II. Post Graduate (PG) Programs	10
- No. of Seats, Duration and Eligibility	10
- Details of Courses Offered	10
- Admission Process	11
- Method of Selection	11
- Salary/Stipend	11
Important Dates for Post-Doctoral and PG Programs	12
III. Integrated MD-PhD and DM/MCh-PhD Programs	13
- Details of Integrated PhD Program	13
- Method of Selection	17
IV. PDF Programs	26
- Details of PDF Programs	26
- Salary/Stipend	29
V. Post Doctoral Certificate Course	31
- Method of Selection	31
VI. PG Diploma/Diploma/Advanced Certificate Programs	31
- Stipend	35
- Method of Selection	36
Important Dates for PDF/Diploma Programs	38
Special Information	41
VII. PhD Programs	42
VIII. Master of Technology (M Tech) in Biomedical Engineering	51
IX. Master of Public Health Program	72
X. Diploma in Public Health Program	74
Sponsored Candidates	75
Foreign Nationals	75
Joint Programs of SCTIMST	79
Affiliated Programs of SCTIMST	79
Application Procedure	81
Intramural Fund for Faculty Guides of Residents of SCTIMST	84
Pradhan Mantri Vidyalaxmi Scheme	84
Anti-ragging Affidavit	85
Important Contact Addresses	87
Student Reservation and Equal Opportunity Cell	88
Students Grievance and Redressal Committee	88
Heads of Departments/Divisions	89
Bond Format for Residents	99
Bond Format for Diploma Students	103
Bond Format for PhD (SCTIMST Fellowship Holders)	107
Undertaking Format of Candidates and Parents Regarding Anti-ragging	110

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 the 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 as well as initiating 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 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 National Medical Commission (NMC) Act, 2019 Erstwhile Indian Medical Council Act, 1956 and that they shall be deemed to be included in the Schedule to that Act. As per the notification by the Ministry of Health and Family Welfare in the Gazette of India, dated 14th of November 2022, the name of SCTIMST was included in the Schedule of the NMC Act, 2019. As per Section 37(1) of the National Medical Commission Act, 2019 (No. 30 of 2019) the medical qualifications granted by any statutory or other body in India, which are covered by the categories listed in the Schedule shall be recognized medical qualifications for the purposes of this Act.

PROGRAMS ON OFFER - SESSION 2026

	Postdoctoral Programs		
1.	DM Cardiology	2.	Post Basic Diploma in Cardio - Thoracic Nursing (PBDCTN)
2.	DM Paediatric Cardiology	3.	Post Basic Diploma in Neuro Science Nursing (PBDNN)
3.	DM Neurology	4.	Diploma in Advanced Medical Imaging Technology (DAMIT)
4.	DM Neuroimaging and Interventional Neuroradiology	5.	Diploma in Operation Theatre & Anaesthesia Technology (DOTAT)
5.	DM Cardiovascular Imaging and Vascular Interventional Radiology	6.	PG Diploma in Cardiac Laboratory Technology (PGDCLT)
6.	DM Cardiothoracic & Vascular Anaesthesia	7.	PG Diploma in Neuro Technology (PGDNT)
7.	DM Neuroanaesthesia	8.	PG Diploma in Medical Records Science (PGDMRS)
8.	MCh Cardiovascular & Thoracic Surgery	9.	PG Diploma in Clinical Perfusion (PGDCP)
9.	MCh Neurosurgery (after MS)	10.	PG Diploma in Blood Banking Technology (PGDBBT)
10.	MCh Vascular Surgery		**Advanced Certificate Program**
11	Integrated MD-PhD, DM-PhD and MCh-PhD program	1.	Advanced Certificate Program in Physiotherapy in Neurological Sciences (ACP-PN)
12.	Post Doctoral Fellowship (Post DM/MCh/DNB)	2.	Advanced Certificate Program in Physiotherapy in Cardiovascular Sciences (ACP-PC)
13.	Post Doctoral Certificate Course in Transfusion Transmitted Disease Testing		**OTHER PROGRAMS**
14.	Post Doctoral Certificate Course in Hospital Infection Control		**Joint Programs with IIT Madras & CMC Vellore**
15.	Post Doctoral Certificate Course in Neuropathology	1.	Master of Technology (M Tech) in Clinical Engineering
		2.	PhD (Biomedical Devices and Technology)
	Postgraduate/PhD Programs		**Affiliated Programs Conducted at Other Centres**
1.	MD Transfusion Medicine	A.	**ICMR-National Institute of Epidemiology, Chennai**
2.	Master of Public Health (MPH)	1.	Master of Public Health [(MPH) (Epidemiology and Health Systems)]
3.	Master of Technology (MTech) in Biomedical Engineering	B.	**Christian Medical College, Vellore**
4.	PhD	1.	Master of Science (Bioengineering)
	Diploma/PG Diploma Programs	2.	PhD (Bioengineering/Biomedical Sciences/Health Sciences)
1.	Diploma in Public Health (DPH)	3.	Master of Public Health (MPH)

FEE STRUCTURE (in INR)

Particulars	Postdoctoral courses (PDF /DM/MCh/ PDCC/MD)	PhD and Integrated PhD (4th & 5th year)	MPH	DPH	MTech	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*)	1,500 (1200*)	800 (640*)
Admission fee	2,000	2,000	1,000	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 independent students) 2,00,000 (for 2 years – sponsored students)	-	1,00,000 (25,000/Semester)	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 (refundable)	10,000	10,000	10,000	10,000	10,000	10,000
Examination Fee: Part-I	2,000	-	1,000		1000 (Sem1)	250
Part-II	10,000			-	1000 (Sem2)	
Comprehensive Exam	-	6,000		-		-
Thesis Evaluation Fee	1,500	15,000		-	5000	
Identity Card	220	220	220	220		220
Library	1,000	1,000	500	500	1,000	200
Student Welfare Fund	1,000	1,000	500	500	1,000	200
Certificates	1,000	1,000	1,000	500		200
Miscellaneous Fee	10,000		-	-	500	#5,000
Hostel Fee			20,000 per year	Hostel facilities not available		

*For SC/ST candidates.   # not applicable for Advanced Certificate Program students.

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

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

A. DETAILS OF POSTDOCTORAL AND POSTGRADUATE COURSES OFFERED IN HOSPITAL WING

The postdoctoral courses being conducted in the hospital wing are:
- Super specialty DM/MCh courses (3-year duration)
- Integrated MD-PHD, DM-PhD, and MCh-PhD (5-year duration)
- Postdoctoral Fellowship (One-year duration)
- Postdoctoral certificate course (One-year duration)
- Postgraduate MD (3-year duration)

I. POSTDOCTORAL PROGRAMS (SUPER SPECIALTY) ON OFFER - SESSION 2026

Overview of the number of seats, duration and eligibility of DM/MCh courses

Program	Number of Seats		Duration (Year)	Qualifications required
	General quota	Sponsored seats		
DM Cardiology	7	3	3	MD/DNB in Gen. Medicine/Paediatrics/Equivalent degree recognized by NMC
DM Paediatric Cardiology	1	0	3	MD in Paediatrics/Equivalent degree recognized by NMC
DM Neurology	6	3	3	MD/DNB in Gen. Medicine/Paediatrics/Equivalent degree recognized by NMC
DM Neuroimaging and Interventional Neuroradiology	4	1	3	MD/DNB Radiology/ Radiodiagnosis/ Equivalent degree recognized by NMC
DM Cardiovascular Imaging and Vascular Interventional Radiology	3	1	3	MD/DNB Radiology/ Radiodiagnosis/ Equivalent degree recognized by NMC
DM Cardiothoracic & Vascular Anaesthesia	8	3	3	MD/DNB in Anaesthesia/ Equivalent degree recognized by NMC
DM Neuroanaesthesia	7	2	3	MD/DNB in Anaesthesia/ Equivalent degree recognized by NMC
MCh Cardiovascular & Thoracic Surgery	6	2	3	MS/DNB in Gen. Surgery/ Equivalent degree

				recognized by NMC
MCh Vascular Surgery	1	0	3	MS/DNB in Gen. Surgery/Equivalent degree recognized by NMC
MCh Neurosurgery (After MS)	4	2	3	MS/DNB in Gen. Surgery/Equivalent degree recognized by NMC

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 the 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 Paediatric Cardiology

MD in Paediatrics/equivalent from an Indian university recognized by the erstwhile Medical Council of India (MCI)/National Medical Commission (NMC).

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.

Note: The candidates must have completed the requisite qualification, degree and tenure by 31.01.2026 for the January batch, and 31.07.2026 for the July batch. 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.

UPPER AGE LIMIT

Forty years (as of 1st January 2026 for the January session and 1st July 2026 for the July session).

Upper Age relaxation

i) The upper age limit may be relaxed in the case of SC/ST candidates by a maximum of 5 years.
ii) The upper age limit may be relaxed for ex-service personnel with service of not less than five years. They will be given an age relaxation for a maximum of 5 years.
iii) The upper age limit may be relaxed for OBC candidates by a maximum of 3 years.
iv) The upper age limit for sponsored candidates is 50 years.
v) The person with benchmark disabilities shall be given an upper age relaxation of 5 years for admission to DM/MCh for PwD candidates as per the Right of Persons with Disability Act, 2016.

Kerala State Medical Council (KSMC)/Travancore Cochin Medical Council (TCMC) Registration

KSMC/TCMC Registration is mandatory. The candidate should have applied for registration with KSMC/TCMC at the time of admission at SCTIMST and must submit the registration certificate to the Division of Academic Affairs, SCTIMST for confirmation of admission.

METHOD OF SELECTION

The selection of the candidates for the course is through 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 (per month in INR) (Except for Sponsoredcandidates)		
Program	**Duration**	**Scale of pay /Stipend (INR per month)**
DM & MCh	3 Years	1st year – 74,000 + *
		2nd year – 76,200 + *
		3rd year – 78,500 + *
* *Applicable HRA, NPA, DA & DA on TA as per Rules.*		

II. POSTGRADUATE PROGRAMS ON OFFER - SESSION 2026

1. MD in Transfusion Medicine

NUMBER OF SEATS, DURATION AND ELIGIBILITY

Program	Number of Seats		Duration (Year)	Qualifications required
	Non-sponsored	Sponsored		
MD in Transfusion Medicine	2 (2 UR)	1	3	MBBS or equivalent degree

Minimum Educational Qualifications Required for Admission

MBBS degree or an equivalent degree from a recognized university (Medical Council of India/National Medical Commission) with a one-year compulsory rotatory internship from a medical college of repute. The candidates must have completed the requisite qualification, degree and tenure by 31.01.2026 for January session and 31.07.2026 for the July session. 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 KSMC/ TCMC at the time of admission at SCTIMST.

Reservation
Reservation will be followed as per Government of India norms.

UPPER AGE LIMIT
Forty years (as of 1st January 2026 for the January session and 1st July 2026 for the July session).

Upper Age relaxation

i)   The upper age limit may be relaxed in the case of SC/ST candidates by a maximum of 5 years.
ii) The upper age limit may be relaxed for ex-service personnel with service of not less than five years. They will be given an age relaxation for a maximum of 5 years.
iii) The upper age limit may be relaxed for OBC candidates by a maximum of 3 years.
iv) The upper age limit of the sponsored candidates is 50 years.
v)   The person with benchmark disabilities will be given an upper age relaxation of 5 years for admission to DM/MCh for PwD candidates as per the Right of Persons with Disability Act, 2016.

Method of Selection

The selection of the candidates for the course is through 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 (INR per month)
MD (Transfusion Medicine)	3 Years	61,300+* (applicable for 1st ,2nd and 3rd year)

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

IMPORTANT DATES – POST-DOCTORAL AND PG PROGRAMS FOR THE ACADEMIC SESSION – JANUARY 2026	
Admission notification	As per the prospectus, part A of INI-SS/INI-CET
Online application website	
Availability of online application	
Status of application & rejected application with reason for rejection. Applicants are required to check their 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 the 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 numbers/admit cards on the website.	
Hall ticket download	
Written Test through online (CBT) mode	
Expected date of declaration of result (for all INIs)	
Commencement of courses at SCTIMST	01.01.2026
Director's welcome address	19.01.2026

III.   INTEGRATED MD-PhD, DM-PhD & MCh-PhD PROGRAM

The purpose of starting the Integrated MD-PhD, DM-PhD, and MCh-PhD program is to create a new generation of medical specialists called 'Physician-Scientists' in the country. The concept of Physician-Scientists, a well-established program in the Western world, aims to bridge the chasm between patient care and research, define problems in patient care, and through research help in improving patient care. The curriculum of the above-mentioned course integrates clinical skill training of the MD/DM/MCh courses with high-quality research skills of the PhD program. This will enable the residents to be better academicians in clinical work and research and help them to become PhD guides of the future.

The Nomenclature of the Degree

The nomenclatures used in the degree certificates of residents who successfully complete their integrated PhD program will be as follows:

- Integrated MD (Transfusion Medicine) - PhD
- Integrated DM (Cardiology) - PhD
- Integrated DM (Paediatric Cardiology) - PhD
- Integrated DM (Neurology) - PhD
- Integrated DM (Neuroimaging and Interventional Neuroradiology) - PhD
- Integrated DM (Cardiovascular Imaging and Vascular Interventional Radiology) - PhD
- Integrated DM (Cardiothoracic and Vascular Anaesthesia) - PhD
- Integrated DM (Neuroanaesthesia) - PhD
- Integrated MCh (Cardiovascular and Thoracic Surgery) - PhD
- Integrated MCh (Vascular Surgery) - PhD
- Integrated MCh (Neurosurgery) – PhD

The eligibility, method of selection, conduct, and syllabus for the MD-PhD, DM-PhD and MCh-PhD programs offered by the institute is given below. The course is a continuous five-year program. The program is divided into two phases. The first phase, i.e., the initial three years, follows the syllabus of MD/DM/MCh program, including clinics, and is a mandatory requirement. The second phase, i.e., 4th and 5th years are devoted to research leading to a PhD including 30% of clinical posting.

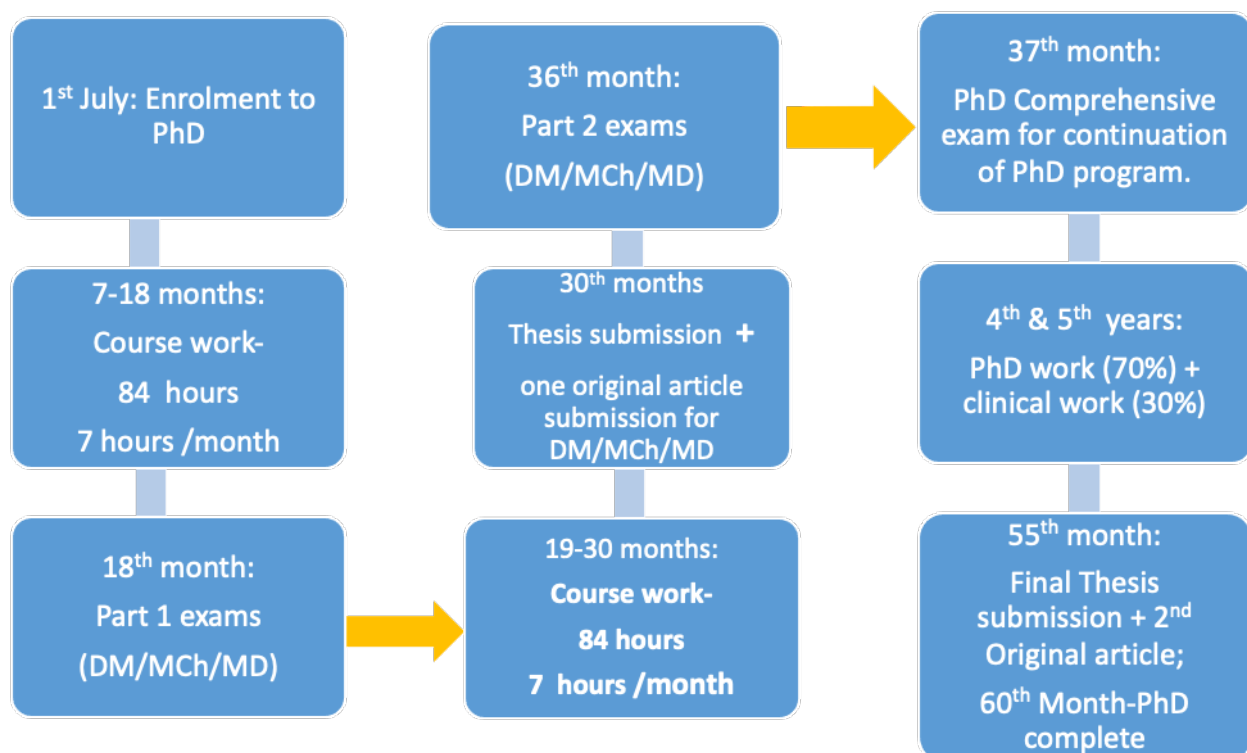### 1.   Objectives of the Program

The proposed objectives of this new program are:

- To train those eligible doctors pursuing the highest clinical training to do advanced research.

- To enable the doctors to gain research exposure in the wide range of specialties offered at the institute such as medical science, public health, biomedical engineering, and technology.

- To integrate the clinical and research fields, allowing effective utilization of training and resources, thereby reducing the duration of the course when separately done.

- To increase the research output of the country.

- To fulfill the Institute's stated objectives, namely,
    o Promote biomedical engineering and technology.
    o Provide and demonstrate high standards of patient care in advanced medical specialties.
    o Develop innovative postgraduate training programs of the highest quality in advanced medical specialties and biomedical engineering and technology.
    o Participate in public health reforms through research, training, and interventions.

2. Program Flowchart

A flow chart showing the design of the program is given below:

3. Eligibility for Admission

For admission to the integrated MD-PhD, DM-PhD, and MCh-PhD programs, the candidates must fulfill the following requirements:

3.1. Need to be a Resident of SCTIMST

Admission to the integrated programs is restricted to first-year residents admitted to the regular MD/DM/MCh program of SCTIMST. To get admitted to the integrated PhD program, the resident must enroll in the integrated PhD program after qualifying the prescribed selection process within 6 months of joining the MD/DM/MCh program of SCTIMST.

3.2. Educational Qualifications

Various integrated programs available and the educational qualifications required for admission to these programs are listed in the table below:

Name of the program	Eligibility criteria
Integrated MD-PhD	□ First-year resident of MD (Transfusion Medicine). □ MBBS degree or an equivalent degree from a recognized university (Medical Council of India/National Medical Commission recognized or an Institute of National Importance) with a one-year compulsory rotatory internship from a medical college of repute.
Integrated DM-PhD	□ First-year resident of DM (Cardiology/Neurology). □ MD in General Medicine or Paediatrics from an Indian university recognized by the 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/ an Institute of National Importance.
	□ First-year resident of DM (Cardiothoracic and Vascular Anaesthesia/Neuroanaesthesia). □ MD in Anaesthesia or equivalent from an Indian university recognized by erstwhile MCI/NMC or DNB in Anaesthesia or any equivalent degree recognized by NMC/erstwhile MCI/or any equivalent degree recognized by NMC/erstwhile MCI/an Institute of National Importance.
	□ First-year resident of DM (Neuroimaging and Interventional Neuroradiology/Cardiac Radiology). □ MD in Radiodiagnosis from an Indian university recognized by erstwhile MCI/NMC or DNB in Radiology/ Radiodiagnosis or any equivalent degree recognized by NMC/erstwhile MCI/an Institute of National Importance.
Integrated MCh-PhD	□ First-year resident of MCh (Neurosurgery/Cardiothoracic and Vascular Surgeryy (CVTS)/Vascular surgery). □ MS in General Surgery from an Indian university recognized by erstwhile MCI/NMC or DNB in General Surgery or any equivalent degree recognized by NMC/erstwhile MCI/an Institute of National Importance.

3.3. KSMC/TCMC Registration

The candidate should have applied for registration with **Kerala State Medical Councils (KSMC)**/Travancore Cochin Medical Council (TCMC) at the time of admission at SCTIMST and must submit the registration certificate within two months of joining the program. KSMC/TCMC registration is mandatory for confirmation of admission.

3.4. Upper Age Limit

The upper age limit is forty years as per the joining date of MD/DM/MCh program (as of 1st January 2026 for January Batch and 1st July 2026 for July Batch). Age relaxation is applicable as mentioned in the upper age limit for MD/DM/MCh programs above at the time of joining the MD/DM/MCh programs.

4. Duration of the Programs

The total duration of the integrated MD-PhD, DM-PhD & MCh-PhD programs will be five years, of which the initial three years will be spent by the candidate undertaking the MD/DM/MCh program. The final two years will be spent pursuing the PhD through research work. During the 4th and 5th years, the time spent on research and patient care services would be in the ratio of 70:30. The residents pursuing the integrated programs shall submit their PhD thesis for evaluation, two years after the completion of their MD/DM/MCh program. The maximum duration to submit the thesis is six years after MD/DM/MCh program. No further extension will be provided for thesis submission after 6 years. The fellowship for doing PhD will be provided only for two successive years consecutively after the completion of the MD/DM/MCh program. The candidate will also not be permitted to pursue the 30% clinical work within his/her parent department after the two-year term following enrolling in the PhD program is over.

In the integrated program, the residents are expected to complete their PhD coursework during their MD/DM/MCh tenure and undertake the comprehensive viva-voce examination for securing admission, soon after completion of MD/DM/MCh program. They will not be required to further undertake the comprehensive written institute test to secure placement into the PhD program.

It may be noted that during the first three years of the integrated PhD program, the rules and regulations pertaining to the MD/DM/MCh programs (i.e., fee structure, curriculum, postings, clinical work, resident evaluation, examinations, etc.) will be followed as per the institute rules and guidelines of the respective programs.

5. Number of Seats

The approved number of seats for the Integrated MD-PhD, DM-PhD & MCh-PhD program is one per specialty per year. If any of the integrated program seats remain vacant in the January session in a particular specialty, an opportunity will be given to those candidates for joining in the July session of that specialty where the seat had remained unfilled. However, there will not be a carry-over of the unfilled seats from a particular year to the next year.

6. Method of Selection

6.1 Selection for MD/DM/MCh courses

The admission of the candidates to the MD/DM/MCh programs is based on the selection criteria laid down in the entrance examination of the INI-CET (Institutes of National Importance-Common Entrance Test) and the INI-SS (Institutes of National Importance-Super Specialty) conducted by the All India Institute of Medical Sciences (AIIMS), New Delhi, and following 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

6.2 Selection to Integrated MD-PhD/DM-PhD/MCh-PhD programs

Only the first-year residents who have joined the MD/DM/MCh program at SCTIMST are eligible for pursuing the integrated program. For pursuing the integrated program, they must get enrolled within 6 months of joining the MD/DM/MCh program via the institute's PhD admission process.

The eligible candidates who wish to join the integrated program shall fill in the application form for the integrated course through online mode. Candidates shall 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 applications.

The topic for the research area for PhD should be different from the dissertation topic of the MD/DM/MCh program. The guides for the two programs (MD/DM/MCh and the PhD) shall mandatorily be different. Both of them, however, will be assigned to the candidate during the first year itself of his/her pursuing the MD/DM/MCh program. Collaborative research proposals related to biomedical technology, public health, or interdisciplinary clinical areas of the institute would be given priority for the integrated PhD selection.

The selection for the integrated PhD program will be done through an interview, within six months from the date of admission to the MD/DM/MCh program.

A rank list consisting of selected and waitlist candidates will be published based on the performance in the interview for each department. From those departments that conduct two different DM/MCh courses like Anesthesia, Radiology, and CVTS, only one candidate per specialty will be permitted to register for the integrated program. Once short-listed for an integrated PhD, the cut-off date for joining the program shall not exceed thirty days.

The DM/MCh candidates admitted in the January batch have to appear for the selection of PhD in the July session of the same year. In departments where the seat of the integrated PhD program was not filled by the January batch of residents, and if the DM/MCh candidates are admitted to the department in July session of INI-SS/INI-CET, the candidates can be allowed to appear in the interview in the next year's January session. However, if the integrated PhD seat is already filled in the June PhD interview by the candidate who joined the department in January that year and the candidate has joined the integrated course, then the department will not be allowed to recruit another candidate from that year's batch in the next January session selection until an increase in seats is approved by statutory bodies of the institute.

The Institute reserves its right to shortlist candidates based on the applicant's academic merit and scientific records and the availability of research guides during that year.

The list of recognized guides and their areas of research interest is available at: [https://www.sctimst.ac.in/Academic%20and%20Research/Academic/Guidelines,%20Manuals, %20Forms/resources/PhD_Guides_list_Dec_2021.pdf]

7. Fee Structure

For the first three years, the yearly prescribed institute fees need to be paid by the residents for the MD/DM/MCh program. The fee details for PhD program are as follows:

Particulars	Fee, INR
Application fee (to be paid at the time of submitting the application)	1,500 (1200*)
Admission fee (to be paid at the time of registration to PhD program)	2,000
Tuition Fee (to be paid after MD/DM/MCh program - payable on the 4th and 5th years of the program)	20,000 (per year)
Comprehensive Examination (to be paid at the time of submitting the application for comprehensive examination)	6,000
Thesis Evaluation Fee (to be paid at the time of submitting the thesis)	15,000

*for SC/ST candidates

The fee may be revised by the Institute periodically. The fee once paid will not be refunded. The fee for the fourth year needs to be paid immediately after completion of the MD/DM/ MCh program.

8. Salary Payable

The integrated MD/DM/MCh-PhD candidates will be paid the salary of the third-year senior resident of the institute for the 4th and 5th Years. No private practice or other employment will be allowed during the entire program. PhD fellowship will be provided for two years after the completion of the MD/DM/MCh program (provided the candidate has successfully cleared the comprehensive viva voce examination for entry into the integrated PhD program) and no fellowship will be provided after completion of the 5th year tenure of the integrated program.

9. Bond

The candidate may have to undertake a mandatory bond for the MD/DM/MCh programs based on Government rules and regulations. The period of PhD program will not overlap with the mandatory bond period (if relevant) applicable for the MD/DM/MCh programs. However, **the bond will not be required for the PhD program**. The candidate may be allowed to opt out of the integrated PhD immediately after completion of the MD/ DM/MCh programs if he/she wishes to do so, with appropriate reason.

10. Work Distribution

The integrated PhD is a full-time program and those enrolled will not be allowed to pursue other employments or engage in private practice. During the first three years, the candidate will complete the MD/DM/MCh course along with PhD coursework. It is permissible for the candidate to spend at least 30% of time in clinical work in the 4th and 5th year in the department of their specialty; and, 70% of the time during the 4th and 5th years will be exclusively reserved for the PhD research work.

11. Registration for the Integrated PhD Program

Candidates who have qualified for admission to the integrated PhD program are encouraged to meet the recognized guides and decide to join one of them based on their areas of interest and the available facilities. The list of research guides along with their areas of specialization is available on the Institute website. A topic of research that falls in line with the interests of the Institute may be submitted to the Division of Academic Affairs along with the 'Acceptance Letter' of the research guide for the process of registration.

(Format of the Registration form is available on the website under the link:
https://www.sctimst.ac.in/Academic%20and%20Research/Academic/Guidelines,%20Manuals,%
20Forms/ .

12. Structure of the Integrated PhD Program

12.1. Coursework, seminars, credit distribution, and examinations

Coursework is an integral part of the PhD program. The minimum number of required credits for the PhD coursework is fourteen. This includes 2 credits acquired through seminars. Each credit requires 15 hours of classroom teaching or 30 hours of practical (clinical/wet lab) work.

The required courses are divided into two types:

a) Mandatory courses: A scholar shall acquire 8 credits from the mandatory courses. The mandatory courses are available on the website.

b) Optional courses: In addition to the '*Research Methodology'* course, students will be expected to attend courses related to their field of research. They shall acquire 4 credits by clearing optional courses. During the first three years, the scholar may complete all the mandatory (8 credits) and optional (4 credits) courses.
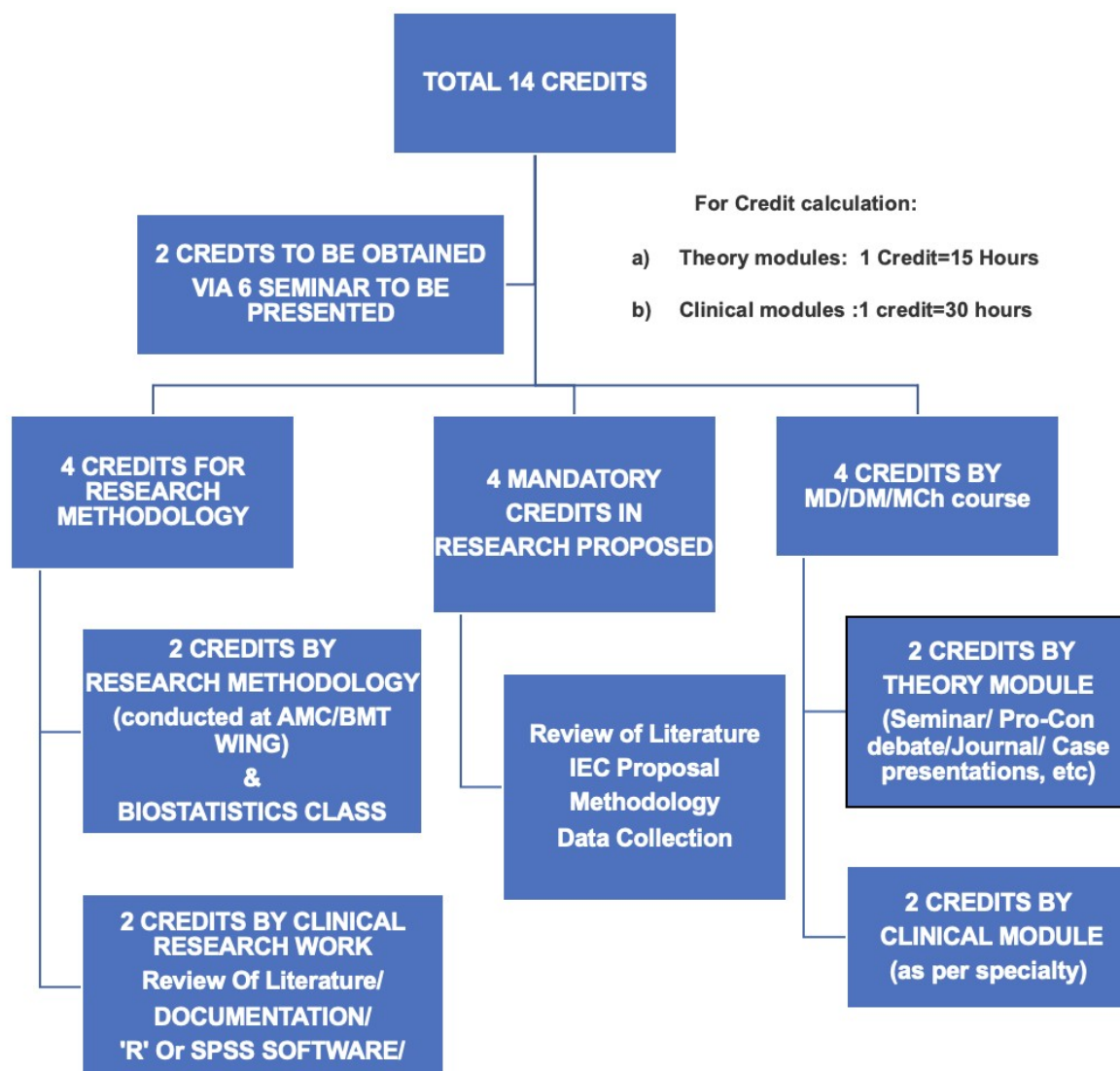
Six seminars related to the topic of research shall be presented by the scholar and the candidate shall acquire 2 credits through them. The schedule and the topics for the seminars will be decided by the Doctoral Advisory Committee (DAC). These seminars may be completed during the first 3 years.

During the fourth and fifth years, 70% of their time shall be dedicated to research, participating in wet laboratory activities, presenting seminars, etc. They shall spend 30% of their time

engaging in clinical work.

The scholar shall complete the PhD coursework in two phases, as shown in the table and flow chart below:

Phase	Coursework and credits	Examinations to clear	Other research-related work
Phase 1 (1st, 2nd and 3rd years)	The candidate is expected to acquire 14 credits: 8 credits from mandatory courses and 4 credits from optional courses related to research topic. (Work distribution: 40% from theory & 60% from clinical skill training). Acquire 2 credits: Six seminars related to the topic of PhD-related work.	(1) Examination for 12 credits of PhD course work. (2) Internal assessment (theory) of MD/DM/MCh. Some of the internal examinations will be considered valid for clearing of optional courses of the PhD program. (3) Objective Structured Clinical Examination (OSCE) for clinical skills (for DM/MCh). (4) Part 1 and Part 2 exams to continue for MD/DM/MCh.	The candidate is expected to finalize the PhD guide, co-guide, Doctoral Advisory Committee, and the topic. If the candidate requires approval of the Internal Ethical Committee (IEC) and other clearances, if any, for his/her work, these may also be obtained.
Phase 2 (4th and 5th years		Comprehensive examination	The candidate is expected to spend 30% of the time in clinical work in the parent department and the remaining 70% of the time pursuing PhD research work; and, complete the research objectives, fulfill the mandatory requirements of the PhD degree, conduct the colloquium, and submit the thesis.

```
                              ┌─────────────────────┐
                              │  TOTAL 14 CREDITS   │
                              └─────────────────────┘

                                          For Credit calculation:
   ┌──────────────────────────┐
   │ 2 CREDTS TO BE OBTAINED  │           a)  Theory modules: 1 Credit=15 Hours
   │   VIA 6 SEMINAR TO BE    │
   │        PRESENTED         │           b)  Clinical modules :1 credit=30 hours
   └──────────────────────────┘
```

```
┌──────────────────────┐   ┌──────────────────────┐   ┌──────────────────────┐
│   4 CREDITS FOR      │   │    4 MANDATORY       │   │    4 CREDITS BY      │
│     RESEARCH        │   │    CREDITS IN        │   │  MD/DM/MCh course    │
│    METHODOLOGY      │   │  RESEARCH PROPOSED   │   │                      │
└──────────────────────┘   └──────────────────────┘   └──────────────────────┘
```

```
        ┌──────────────────────────┐                      ┌──────────────────────────┐
        │      2 CREDITS BY        │                      │      2 CREDITS BY        │
        │  RESEARCH METHODOLOGY    │                      │     THEORY MODULE        │
        │  (conducted at AMC/BMT   │   ┌───────────────┐  │   (Seminar/ Pro-Con      │
        │          WING)           │   │ Review of     │  │  debate/Journal/ Case    │
        │           &              │   │ Literature    │  │   presentations, etc)    │
        │   BIOSTATISTICS CLASS    │   │ IEC Proposal  │  └──────────────────────────┘
        └──────────────────────────┘   │ Methodology   │
                                        │ Data          │
                                        │ Collection    │
        ┌──────────────────────────┐   └───────────────┘  ┌──────────────────────────┐
        │  2 CREDITS BY CLINICAL   │                      │      2 CREDITS BY        │
        │     RESEARCH WORK        │                      │    CLINICAL MODULE       │
        │   Review Of Literature/  │                      │    (as per specialty)    │
        │     DOCUMENTATION/       │                      └──────────────────────────┘
        │  'R' Or SPSS SOFTWARE/   │
        └──────────────────────────┘
```

12.2. Doctoral Advisory Committee and progress evaluation

A Doctoral Advisory Committee (DAC) will be formed for the student within one month from the date of registration to the PhD program. The DAC shall monitor the progress made by the scholar in his/her PhD research work. DAC may review the following:

1. Log book - Details of the courses attended, seminars presented and examinations passed will be recorded.
2. Coursework - The student has to score a minimum of 50% marks for each module to qualify for the credits of that module.
3. Seminars - An objective evaluation system will be used for the evaluation of seminars, and the evaluation will be done by the faculty/guide.

The Guide and DAC may encourage the student to attend more courses as per the requirement of the specific research area. Semi-annual reports have to be submitted by the student to the Division of Academic Affairs through the DAC. The details of the courses completed and a soft

copy of the seminars may be submitted to the Division of Academic Affairs prior to the comprehensive examination.

12.3   Comprehensive examination

The student shall appear for the comprehensive viva voce examination to continue with the PhD program soon after the completion of the MD/DM/MCh degree. The comprehensive examination may be cleared preferably by the 37th or 38th month from the date of registration for the MD/DM/MCh program. For the evaluation, an oral test (to assess his/her basic knowledge of the subject and research methodology) will be conducted. The assigned PhD Guide may initiate the process for the conduct of the comprehensive examination. A minimum score of 60% is required to pass the comprehensive viva voce test for admission to the PhD course after clearing the MD/DM/MCh examination.

In the event of failure in the comprehensive viva voce examination, a second chance will be allowed within one year to clear the examination. The candidate will not be eligible to receive senior resident's pay in case he/she does not clear this examination. In case the candidate fails in the second attempt also, he/she will be deregistered from the PhD program.

12.4   Change of title of PhD thesis

Change of title of the thesis may be effected on the recommendations of the research guide and the DAC members with the approval of the Academic Committee and the Director any time before the presentation of the colloquium.

Change of research area will not be allowed under normal circumstances. However, under exceptional circumstances, it may be allowed with the approval of the Academic Committee.

12.5   Change of research guide

Change of research guide is not encouraged. In extraordinary cases, change of research guide may be permitted with the approval of the academic committee on the recommendation of the Head of the Department and the Director.

12.6. Thesis Submission

The thesis should reflect the substantial work carried out for the advancement of scientific knowledge; or, for product design and development; or, for applied work of an innovative nature. It should show competence in critical analysis of scientific data as well as a thorough familiarity with background literature. When the research work is completed, the scholar may submit the PhD thesis. The procedure to be followed is listed below:

(i)   There shall be an open colloquium where the student shall present his/her work before an audience consisting of the DAC, PhD guide, staff and students of the Institute. Relevant suggestions received during the presentation may be incorporated into the thesis by the student.

(ii) A synopsis may be submitted three months before the submission of thesis. The synopsis of the work done shall be approved by the DAC before submission to the Division of Academic Affairs (DAA).

(iii) A scholar is expected to have, as first author, either one original research publication with an impact factor ≥3 or 2 publications in indexed journals. This is a mandatory requirement to be fulfilled for the award of a PhD. Review articles will not be counted for this purpose. The publications shall be from the research work done during the period of registration of the PhD. The articles may be published/ accepted for publication before the viva-voce examination. Scholars are also expected to present their work in an international conference and a national conference.

(iv) Thesis should be prepared as per the "style manual" published in the Institute website.

(v) Soft bound copy of the thesis may be submitted to the DAA along with the hard copy of the application for thesis evaluation.

(vi) It is the responsibility of the student and research guide to subject the thesis for plagiarism check. Support in this may be obtained from the SCTIMST library. On plagiarism check, the similarity should be minimum and shall not exceed 10%. The thesis shall be submitted to the division of academic affairs along with the plagiarism check report certified by the guide.

(vii) The DAA will send the thesis to the examiners. Based on the evaluation reports and favorable recommendations of the examiners, the candidate will be asked to appear for the final viva voce examination prior to being granted the PhD degree.

(viii) Within two weeks of successful completion of the viva voce examination, two hardbound copies and a corrected soft copy of the thesis shall be submitted to the DAA. The student may hand over all raw data and soft and hard copies of the thesis to the research guide.

12.7 Panel of Thesis Examiners

The Guide, in consultation with the DAC members, shall submit a panel of 6-8 external examiners to the DAA, six months prior to the proposed date of submission of thesis. It is advisable to select the thesis examiners who are experts in the subject area from prestigious academic institutions/national institutes across India (rather than having local experts) to avoid conflict of interest. The thesis will be sent to two external examiners listed in the panel approved by the academic committee. The guide also will be asked to submit an evaluation report of the thesis.

12.8 Thesis Evaluation

On the submission of PhD thesis at the DAA, it will send the thesis to the examiners. The PhD thesis will be evaluated by two external examiners and the research guide. The evaluation report submitted by the external examiners should highlight the salient features of the thesis and make a clear recommendation regarding its acceptance or rejection for the award of the PhD Degree.

In case any of the three evaluators (2 external examiners and research guide) gives a recommendation against the award of the degree, the thesis will be sent to a fourth examiner for evaluation. If the report from the fourth examiner is positive, the viva-voce examination will be held. If the fourth examiner's report is also negative, the thesis will be rejected.

If the first two external examiners recommend against award of the degree, the thesis will be rejected. If a thesis is rejected, the candidate will be allowed to re-submit the thesis within one year, after addressing the issues raised by the examiners.

Evaluation Report from Examiners

Each examiner will be requested to send his/her report to the Registrar/Deputy Registrar with a copy to the Dean within one month of receipt of the thesis. The research guide may also send the report within this period. The report must contain a critical evaluation of the thesis and a clear recommendation.

In case the examiners are unable to make a definite recommendation, they may indicate one of the following alternatives: (a) Minor revision/clarifications not involving retyping of the thesis. This may be carried out and the approval of the examiner may be obtained at the time of the viva voce; or, (b) Major revision involving rewriting of one or more sections, but not involving additional research. In this case, the thesis will be sent back to the examiner.

Thesis Defence and Viva-voce Examination

There shall be a viva voce of the scholar in the presence of the examiners, the faculty, and the students of the Institute. In instances where the thesis involves instrumentation/devices, the candidate will be expected to demonstrate them and explain their features.

The viva voce examination will be conducted at the Institute after the thesis has been adjudged to be satisfactory. This examination, in which a 'pass' criterion is obligatory, shall be conducted by a Board that consists of: (a) The Head of the Department as the Chairman, (b) At least one of the external examiners who evaluated the thesis. (If both the examiners cannot be present for the viva voce, the Director will appoint substitutes), and (c) Research guide.

Members of the board for viva voce should report to the Registrar /Deputy Registrar regarding whether or not the candidate's performance in the examination was satisfactory. No marks will be allotted in the viva voce examination. If the scholar fails in the viva voce examination, he/she may be permitted to appear again within 3 to 12 months (second attempt). If he/she fails in the second attempt, he/she will not be permitted to continue with the PhD program.

The members of the viva voce examination board shall forward to the Registrar/Deputy Registrar a consolidated recommendation consisting of the reports of the examiners who evaluated the thesis and the reports on the candidate's performance in the viva voce examination. Before submitting the consolidated recommendation, they must ensure that the thesis is corrected and ready for placement in its final form in the library.

13   Further information

For further information on the PhD program, PhD manual, coursework, approved PhD guides, standard operating procedures for the students and guides, various forms related to the PhD program may be available on accessing the following link:

https://www.sctimst.ac.in/Academic%20and%20Research/Academic/Guidelines,%20Manuals,%20Forms/

Further information may also be obtained from:

> The Registrar, Division of Academic Affairs,
> Sree Chitra Tirunal Institute for Medical Sciences and Technology,
> Thiruvananthapuram - 695011, Kerala, India.
> Contact telephone Nos.: (0471) 2524269, 2524289, and 2524649.
> Email: regoffice@sctimst.ac.in

> Dr. S. Manikandan
> Co-ordinator, Integrated PhD Program
> SCTIMST, Thiruvananthapuram - 695011, Kerala, India.
> Contact No.: 9446334711, Email: kanmanis@sctimst.ac.in

IV. POST-DOCTORAL FELLOWSHIP (PDF) PROGRAMS ON OFFER

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

The Institute offers a **one-year** Post-doctoral Fellowship (PDF) for those with DM/MCh (3-year) or equivalent qualifications. The PDF provides an excellent opportunity to acquire 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 the 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 or equivalent qualification. It is preferable to have candidates who obtained their qualifying degree, DM/MCh or equivalent, not more than five years prior to applying for the PDF program.

- Registration with KSMC/TCMC.

- Residents who are in the final year of the program can apply;
  however, they should submit the degree certificate from the Institute/University at the time of joining, failing which the admission will be cancelled.

The application must 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/faculty member under whom the candidate had worked.

Upper Age Limit

Forty-five years (as of 1st January 2026), relaxable by five years for SC/ST Candidates, sponsored candidates, and qualified Ex-service personnel with a service of not less than 5 years.

Method of selection

Eligible candidates can apply for one or more than one program in a department. Short-listing of the application is based on the merit of a 500-word short research project proposal and letters of reference. 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 applicants, followed by a final interview. All qualified DM, MCh, DNB students can apply. The percentage of marks allotted for the departmental assessment is 75% of the total marks followed by a final interview for 25% of the total marks. The final selection for the course is based on the

rank list of the candidates and the order of choice. The selected candidate should have applied for and obtained registration with **Kerala State Medical Councils (KSMC)**/Travancore Cochin Medical Council (TCMC) at the time of admission at SCTIMST.

The following PDF positions are available for the January 2026 session.

	Department / Subspecialty	No. of seats	Program supervisor with email ID	Minimum educational qualification
(i)	**Department of Neurology**			
	Electroencephalography	One	Dr. Ashalatha R. Email:drashalatha@sctimst.ac.in	DM or equivalent qualification. It is preferable to have candidates who obtained their qualifying degree, DM or equivalent, not more than five years prior to applying for the PDF program.
	Epilepsy	One	Dr. Ashalatha R. Email:drashalatha@sctimst.ac.in	
	Movement Disorders	One	Dr. Syam K. Email: drsyam@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	DM or equivalent qualification. It is preferable to have candidates who obtained their qualifying degree, DM or equivalent, not more than five years prior to applying for the PDF program.
	Cardiac Electrophysiology	Two	Dr. Narayanan Namboodiri K.K. Email:kknnamboodiri@sctimst.ac.in	
	Paediatric Cardiology	Two	Dr. Krishnamoorthy K.M. Email: kmkm@sctimst.ac.in	
(iii) Department of Neurosurgery				
	Cerebrovascular Surgery	One	Dr. Jayanand Sudhir Email: bjs@sctimst.ac.in	MCh or equivalent qualification. It is preferable to have candidates who obtained their qualifying degree, MCh or equivalent, not more than five years
	Skull Base Neurosurgery	One	Dr. Prakash Nair Email: prakashnair@sctimst.ac.in	
	Spine Surgery	One	Dr. Krishnakumar K. Email: kkns@sctimst.ac.in	
	Functional	One	Dr. George C. Vilanilam	

	Neurosurgery		(Epilepsy Surgery) Email: gvil99@sctimst.ac.in Dr. Krishnakumar K. (Surgery for movement disorder) Email: kkns@sctimst.ac.in	prior to applying for the PDF program.
(iv) Department of CVTS				
	Adult Cardiac Surgery	One	Dr. Vivek V. Pillai Email: vvp@sctimst.ac.in	MCh or equivalent qualification. It is preferable to have candidates who obtained their qualifying degree, MCh or equivalent, not more than five years prior to applying for the PDF program.
	Paediatric Cardiac Surgery	One	Dr. Baiju S. Dharan Email: baijusd@sctimst.ac.in	
(v) Department of Anaesthesiology				
	Pediatric cardiac Anaesthesia	Two	Dr. Thomas Koshy Email: koshy@sctimst.ac.in	DM or equivalent qualification. It is preferable to have candidates who obtained their qualifying degree, DM or equivalent, not more than five years prior to applying for the PDF program.
	Perioperative Neuromonitoring and Neurosurgical Intensive Care	One	Dr. Manikandan S. Email: kanmanis@sctimst.ac.in	DM or equivalent qualification. It is preferable to have candidates who obtained their qualifying degree, DM or equivalent, not more than five years prior to applying for the PDF program.
	Adult Cardiothoracic Vascular Anaesthesia	One	Dr. Shrinivas V.G. Email: shri@sctimst.ac.in	DM or equivalent qualification. It is preferable to have candidates who obtained their qualifying degree, DM or equivalent, not

				more than five years prior to applying for the PDF program.

Salary/stipend (per month in Rupees) (Except for Sponsoredcandidates)

Program	Duration	Scale of pay /Stipend in INR per month
PDF	01 yr	80,900 +*

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

Please see page 6 for the fee structure

V. POSTDOCTORAL CERTIFICATE COURSES (PDCC) ON OFFER

1. DETAILS OF POSTDOCTORAL CERTIFICATE COURSES (Post MD)

The Institute offers **one-year** Post-doctoral Certificate Courses for those who have MD or equivalent qualifications.

The following PDCCs are available for the January 2026 session.

Name of program	Department	Duration (Year)	No. of seats	Minimum Educational Qualification
PDCC in Transfusion Transmitted Disease Testing	Transfusion Medicine	One	01	Post MD Transfusion Medicine within 5 years of passing the MD examination or equivalent qualification
PDCC in Hospital Infection Control	Microbiology	One	01	Post MD Microbiology within 5 years of passing the MD examination equivalent qualification
PDCC in Neuropathology	Pathology	One	01	Post MD Pathology within 5 years of passing the MD examination equivalent qualification

Sponsored Seats

Institute will consider the sponsored seats as per the Institute policy as given in page 53. No sponsored seats in PDCC Neuropathology.

Upper Age Limit

Forty years (as of 1st January 2026), relaxable by five years for SC/ST ccandidates, sponsored candidates, and qualified Ex-service personnel with a service of not less than 5 years.

Method of selection

A three-stage evaluation process is used for selecting the candidates for the PDCC programs.

i. All candidates called for assessment should appear for a theory examination based on multiple choice questions (MCQ), half of which will be from the specialty applied for and the other half from the qualifying post-graduate specialty. The minimum mark required to pass the theory examination is 50%.

ii. Out of the candidates who have qualified the theory examination, a merit list will be drawn up based on the marks obtained in the theory examination. From the said merit list, candidates will be selected in the order of merit for further departmental assessment - clinical, practical, and viva voce in the respective departments. The ratio of candidates selected for these will be approximately three for each available vacancy.

iii. The candidates for the final interview will be selected in the order of merit based on aggregate marks scored for academic performance including theory and departmental assessment – clinical, practical, and viva voce.

Candidates will be notified of their provisional selection immediately after the Entrance Examination. The final announcement will carry the names of selected candidates (in serial order), and wait-listed candidates (in rank order). Selection will be purely on merit, based on the methods of assessment indicated. Separate list will be maintained for sponsored candidates from the theory entrance examination results till final selection list.

Salary/stipend (per month in Rupees)

Program	Duration	Scale of pay /Stipend in INR per month
PDCC	01 yr	74,000 +*

With applicable HRA, NPA, DA and DA on TA as per institute rules
Please see page 6 for the fee structure

for more details regarding post-doctoral programs, PDCC and PDFs, 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

VI. PG DIPLOMA/DIPLOMA/ADVANCED CERTIFICATE PROGRAMS

1. SPECIALITY NURSING PROGRAMS

The Institute offers two specialty diploma programs in nursing, of one-year duration, to meet the growing demand for competent and trained nurses in super specialties. These programs are:

    (i)   **Post Basic Diploma in Cardio - Thoracic Nursing**

    (ii) **Post Basic Diploma in Neuro Science 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.

Those who successfully complete the one-year program, and desirous of gaining further clinical experience, will be allowed to continue in the second year. The second year of the program may be considered as 'optional' for the students who are desirous of gaining further clinical experience.

The experience gained in the second year will be considered as 'clinical experience' and an experience certificate will be issued to the relevant candidates who opt for continuing in the program in the second year also. A recommendation letter, if specifically asked for in pursuit of applying for a job, may be given by the Nursing Superintendent.

The students may be posted in the clinical nursing areas and offered the stipend of the second-year students, as given below.

Minimum Educational Qualifications for Admission, and other details will be published in the Month of October/November.

Syllabus and Curriculum: The syllabus and curriculum of the programs are available in the Institute website.
(https://www.sctimst.ac.in/Academic%20and%20Research/Academic/Curriculum%20&%20 Syllabus/).

Upper age limit

35 years (as of 1st January 2026), 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

Programs	No. of seats	Duration
Post Basic Diploma in Cardio-Thoracic Nursing	10+1	1 year
Post Basic Diploma in Neuro Science Nursing	10+1	1 year

Reservation

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

Programs	UR	Reserved for					Total Seats
		SC	ST	OBC	EWS	PwD (horizontal reservation)	
Post Basic Diploma in Cardio-Thoracic Nursing	5	1	1	3	1	1#	10+1
Post Basic Diploma in Neuro Science Nursing	5	1	1	3	1	0	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, they will be filled with eligible UR category candidates.*

Method of Selection

Selection will be strictly on merit on the basis of the percentage of marks obtained in the common entrance examination for the Post Basic Diploma in Cardio - Thoracic Nursing and Post Basic Diploma in Neuro Science Nursing to be held by the Institute. The candidates may indicate their preferred choice of 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. The 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%) of attendance is mandatory for appearing in the university examination.

Note: See "Special Information" (Page 35).

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, intraoperative electro-corticography and stimulation and brain mapping. They will be exposed to other Neurophysiological like EMC, NCV, evolved potentials, sleep studies, and emergent EEGs. The students will be attached to the Department of Neurology and Clinical Engineering.

4. PG Diploma in Medical Records Science

Healthcare records form the backbone of clinical care, academic research, hospital administration, and legal documentation. As confidential documents, medical records represent privileged communication between patients and healthcare providers.

This program is designed to equip students with the knowledge and skills required to efficiently organize, manage, and maintain both manual and electronic medical record systems. During the course, students will receive hands-on training in the Medical Records Department and gain exposure to relevant aspects of Hospital Administration, preparing them for professional roles in healthcare information management.

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 the 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 setup 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 of Transfusion Medicine.

This has necessitated a 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 specialty 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 the 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 equipment 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 the use of modern-day technologies that allow anaesthesiologists 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 equipment, 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.

9. 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 Sponsoredcandidates)

Program	Duration	Scale of pay /Stipend in INR per month
Specialty in Nursing diploma program	One year	1st year - 11,440# 2nd year (Optional) - 13,350#
PG Diploma/Diploma program	Two years	1st year - 8,580# 2nd year - 10,490#
Advanced Certificate Programs in Physiotherapy	One year	1st 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 the 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 from any recognized university in India with aggregate marks ofat least 50%.

PG Diploma in Clinical Perfusion (PGDCP)

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

PG Diploma in Blood Banking Technology (PGDBBT)

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 of 1st January 2026) relaxable by 5 years for SC/ST and sponsored candidates, and 3 years for OBC candidates.

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

| Program | UR | Reserved for | | | | Total Seats |
		SC 1/ ST	OBC	EWS	PwD (horizontal reservation)	
ACP-PN	1	1	0	-	-	**2**
ACP-PC	1	0	1	-		**2**
DAMIT	2	0	1*	-		**3**
DOTAT	1	1	0*	1#		**2+1#**
PGDBBT	1	0*	1	1#		**2+1#**
PGDCLT	2	1	0*		-	**3**
PGDCP	1	0*	1	-	1#	**2#**
PGDMRS	1	1	0*	-	-	**2**
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 a rotational basis between the courses.
If the reserved seats are found vacant, they 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 the UR category, 40% for SC/ST category and 45% for OBC category. The cutoff marks applicable to OBC will apply to the EWS category as well. This is applicable for all courses, for which selections are conducted at SCTIMST. 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 35

For application procedures and important date, please see **page 34 and 56.**

Summary of PG Diploma/Diploma Programs

Programs Available	Seats	Duration (Years)	Qualification
PG Diploma in Cardiac Laboratory Technology	3	2	BSc with Physics as major or ancillary with 50% aggregate.
PG Diploma in Neuro Technology	4	2	BSc Physics, Chemistry, Biological Sciences, Biotechnology or Computer Science with 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 with 50% Aggregate
PG Diploma in Blood Banking Technology	2+1	2	BSc in any branch of Biological Science with 50% aggregate
Diploma in Operation Theatre & Anaesthesia Technology	2+1	2	Diploma in Electronics/ Biomedical Engineering / Instrumentation
Diploma Advanced Medical Imaging Technology	3	2	CRA/DRT 2-year course or equivalent or higher with 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 2026

Admission Notification (Except Post Basic Diploma in Nursing)	01.09.2025
Availability of online Applications (Except for MD/DM/MCh programs*)	01.09.2025 to 30.09.2025 (up to 5.00 pm)
Availability of online Applications for PDFs	01.09.2025 to 15.11.2025 (up to 5.00 pm)
Hall ticket download	Ten days prior to the entrance examination
Commencement of programs	1st January 2026
Director's welcome address	19th January 2026

SCHEDULE OF ENTRANCE EXAMINATIONS / FINAL INTERVIEW

Program	Date/Time/ Mode of Selection
PDCC, Diploma, PG Diploma, PhD programs	The written test and interview will be conducted at SCTIMST on the dates give below. The time of the written test and interview will be intimated through hall ticket. Certificate verification will be conducted prior to the interview. 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 tickets will be sent to the registered email id of the applicant only.

Postdoctoral Certificate programs (PDCC)	11.11.2025
Diploma in Operation Theatre and Anaesthesia Technology	
Diploma in Advanced Medical Imaging Technology	
Advanced Certificate Program in Physiotherapy	
PG Diploma in Cardiac Laboratory Technology	13.11.2025
PG Diploma in Medical Records Science	
PG Diploma in Clinical Perfusion	
PG Diploma in Blood Banking Technology	
PG Diploma in Neuro Technology	
PhD – written test	
PhD - interview	15.11.2025

Post-doctoral fellowship-PDF (Post-DM/MCh/DNB)	The selection interview will be conducted at SCTIMST between 12th December 2025 and 19th December 2025. 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 tickets will be sent only to the registered email id of the applicant.
Type of Objective Questions / Marking Scheme Correct Answer	Multiple Choice Questions (MCQs) /One mark (+)1 for the 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

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 occupants 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. Once an eligible accommodation become available and allocation process is completed, a window period of three months may be given to SR for occupying the hostel room so that there will be no hardship for him/her to shift from the rented house outside campus to the hostel room on account of any rent agreement. In case a senior resident refuses to avail hostel accommodation offered to him, HRA will not be sanctioned to him/her. PDF residents will be given accommodation in the New Faculty Hostel (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 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 those selected for MD/DM/MCh courses under the general category need to furnish a bond for rupees fifty lakhs. The concerned defaulter shall be liable to pay an amount of Rs. 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 students newly enrolled for Diploma/PG Diploma are expected to execute a bond agreeing to remit an amount equivalent to six months stipend if they discontinue the program and leave the Institute **after 31st January 2026.**

All students, residents, Fellows admitted to various programs needs to undertake an 'Anti-ragging affidavit' given in the annexure.

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 **1st January, 2026**. 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 to 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 Senior (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.

Maternity Leave

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

For specialty nursing programs, the external examination will be conducted at the end of the first year and for other Diploma/PG Diploma programs at the end of the second year.

<u>**Contact for further details:**</u>

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

VII. PhD PROGRAM

Promoting interdisciplinary research, the Institute offers PhD programs in the following major research areas:

Physical Sciences

Biophotonics, plasma coating, Nanobiotechnology, 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, and 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, and Scaffolds for tissue engineering.

Health Sciences (Full Time & Part Time)

Epidemiology, Gender issues in Health, Health Policy, Heath 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 on 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.

<u>**Minimum Educational Qualifications for Admission**</u>

Physical Sciences: Postgraduate degree in Physics (All branches)

Chemical Sciences: Postgraduate degree in Chemistry (All branches)

Biological Sciences/Biomedical Sciences: Postgraduate degree in any branch of Life

Sciences (Physiology, Biochemistry, Biotechnology, Zoology, Bioinformatics, Plant sciences, etc.)/dentistry/veterinary science.

Bioengineering: Postgraduate 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), Postgraduate degree in Physics, Chemistry, Polymer Chemistry, Polymer Science, Material Science, Biotechnology or Veterinary Science.

Health Sciences: Postgraduate 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. Relaxation in marks will be given for reserved category candidates as per Govt. of India norms.

Medical Sciences: MBBS degree from any university recognized by the National Medical Commission/ erstwhile Medical Council of India (MCI). Candidates should have completed a 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 made more than 2 attempts to pass the MBBS program.

The selected candidate should have applied for and obtained registration with **Kerala State Medical Councils (KSMC)**/Travancore Cochin Medical Council (TCMC) at the time of admission at SCTIMST.

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.

Duration of the PhD program

The minimum duration is three years and the maximum duration is five years with possible two extensions of six months each. In extraordinary circumstances, extraordinary extension will be given with a separate fee payment.

Fellowships

1) **SCTIMST PhD Fellowship**
<u>Six</u> Institute Fellowships at the DST approved rates are available each year for a maximum period of five years, of which **<u>one fellowship is</u>** reserved for basic science (non-clinical and para-clinical) subjects such as Pathology/ Microbiology/ Biochemistry/ Transfusion Medicine. If there are no eligible candidates for the above-reserved seat, this fellowship will be given to other eligible candidate in the same academic year.

Method of selection

The selection of research scholars will be based on the performance in the written test and interview.

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 short list candidates based on the academic merit and scientific records of the applicants and availability of research guides every year.

Number of fellowships and reservation

A total of six institute fellowship are available, however, 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 interests. 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. Candidates belonging to reservation category are advised to contact the student reservation cell/nodal officer for scholarships at SCTIMST for more information about the fellowship.

Bond to be executed

All newly enrolled P h D **students under the SCTIMST Fellowship** are expected to execute a bond to remit an amount equivalent to six months of fellowship or the whole amount of fellowship received, whichever is higher if they discontinue the program and leave the Institute **after one month from their date of joining (Bond format is attached, Annexure V).**

The list of approved guides and their areas of research interest is available at:[https://www.sctimst.ac.in/Academic%20and%20Research/Academic/Guidelines,%20 Manuals,%20Forms/resources/PhD_Guides_list_Current.pdf]

Internal Candidates Applying for PhD Registration - Admission Process

Guidelines for PhD registration for internal faculty members

1. The PhD program for the internal faculty members at SCTIMST shall be conducted and called as 'PhD for In-service candidates'.

2. The rules and regulations for the conduct of the Ph.D. program at the Institute are applicable *mutatis mutandis* to the faculty selected for the in-service candidates Ph.D. program.

3. The selection of research scholars will be based on their performance in the written test and interview.

4. The faculty member who is applying for Ph.D. registration should be a regular employee of the institute who has completed probation and should have rendered a minimum of three years of continuous service at the institute including the probation period.

5. The applying faculty should fulfil the eligibility criteria as applicable in the current PhD program offered at the Institute.

6. The individual should have a minimum of 7 years of active service from the date of superannuation at the institute at the time of application.

7. The faculty has to go through the existing selection process followed by all regular applicants aspiring for Ph.D. admission at SCTIMST.

8. The internal faculty member shall register as an in-service Ph.D. student of SCTIMST. To enable the faculty to register in the disciplines of his/her choice, all the Ph.D. streams should have the option of PhD registration for in-service candidates.

9. Duration of the program: The Ph.D. program shall be for a minimum duration of three and a maximum duration of seven years. The faculty shall submit an undertaking stating that his/her Ph.D. work will be done under the supervision of his/her guide and his/her application shall be recommended and forwarded by the Head of the Department. The candidate will be considered as an in-service candidate provided that the Head of the Department certifies that the work of the department will not suffer and that no additional staff will be asked for.

10. The faculty should not use data from the past research or ongoing study. Institute should take a disclosure from the PhD candidate that there is no overlap with other studies in the data used for the research. Institute should ensure to include the statement 'the data used for PhD work is not submitted for any other degree.' Under no circumstances will the thesis work for PhD be common between the faculty member and any of the resident/student of the Institute pursuing any course in the Institute.

11. The number of faculty members registering for Ph.D. should not exceed 20% of the faculty strength of the department at a given time.

12. The faculty members who have registered for Ph.D. program shall not guide/co-guide/be a member of DAC of any other Ph.D. candidate or of a MD/DM/MCh resident in the Institute till he/she submits the Ph.D. thesis.

13. The Institute shall not incur any financial liability during the pursuance of higher studies by the employee.

14. Prior to applying for admission to a Ph.D. program of the institute, a 'No Objection Certificate' (NOC) should be sought by the faculty from the competent authority.

15. The candidate shall produce two NOCs; 1. while applying for the in-service PhD program and 2.at the time of in-service Ph.D. registration

16. While granting NOC, preference shall be given based on the seniority of the faculty. The seniority shall be counted based on the date of joining the service in the Institute as a permanent employee.

17. The members of the faculty who have registered for the in-service Ph.D program are expected to do their research work outside the normal office hours and without affecting the regular duties and responsibilities assigned to them.

18. Those who are registered for PhD program for in-service candidates at SCTIMST shall be on their eligible leave while doing their coursework, examinations, fieldwork, etc., if required.

19. Academic allowances during the above leave period will be deducted.

20. The PhD program will not be offered on a distance education/online mode.

21. If the faculty member registering for PhD is already a Chief guide to other PhD candidates, he/she should transfer the PhD student to co-guide before taking up the PhD registration for himself/herself.

22. The ethics, data transfer policy and other required permission of the Institute shall be mandatorily followed during the conduction of the PhD program.

23. Only an institute faculty member can be the chief guide, and in case of need, an external member can be appointed as a co-guide, following the institute rules.

24. For pursuing the PhD programme at institute, the candidates who have qualified Masters level of Education in a distance education mode, shall not be considered

25. In addition to clearing the UGC, CSIR, ICMR, KSCSTE, INSPIRE, or other examinations for appearing directly for the selection interview for the PhD programme, the candidates qualified in CUET may also be considered.

26. The qualification for the guides who supervise internal candidates should either be a PhD or DM or MCh.

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.6.

Non-Academic Employees of the Institute

As per order no. SCTIMST/DAA/1/50/2023, Dated, 26.12.2023, higher studies for the technical and administrative staff members of SCTIMST may be permitted only in the relevant specialties, and all courses studied should be those recognized by UGC or equivalent bodies. The GB approved guidelines for the PhD registration of administrative and technical staff members of SCTIMST shall be followed by the above members for the registration for part-time PhD program at SCTIMST. The guidelines for the PhD registration are as follows:

1) The qualified non-academic employees of the Institute may be permitted to pursue higher studies on a part-time basis.

2) Permitting qualified non-academic employees to pursue higher studies would improve the competency level and technical skills of the employees. They can also utilize this option to get better job opportunities within the Institute.

3) The nursing staff of the Institute may follow the already existing guidelines for higher studies and study leave. The existing guidelines applicable to nursing staff may be extended to all non-academic employees of the Institute in principle.

4) The Institute shall not incur any financial liability during the pursuance of higher studies by the employees.

5) Up to four non-academic employees of the Institute (other than the nursing staff) may be permitted to pursue higher studies (part-time) in a year. Out of these, two employees could be from the technical staff of the BMT Wing and the other two employees could be from the Hospital wing/Achutha Menon Centre for Health Science Studies/Staff of the administrative & support services. In case, there were not enough applicants from

one wing, more applicants from the other wings can be considered so that the total number would be capped at four per year.

6) Interested employees may seek permission from the competent authority to register for higher degrees on a part-time basis. The higher degrees acquired by the employees should be beneficial to the Institute (Refer to Rule 31.1, Service and Personnel Conduct Rules, SCTIMST, Trivandrum). The head of the department of the employee shall give an undertaking on how it is going to benefit the institute.

7) The minimum period of service required for permitting higher studies shall be 5 years of regular continuous permanent service including the period of probation in the institute. The employee should also possess a minimum remaining 3 years of service before reaching the age of superannuation after acquiring the degree (Refer to Rule 31.2 (I & ii), Service and Personnel Conduct Rules, SCTIMST, Trivandrum).

8) While granting permission for higher studies, preference shall be based on the seniority of the staff. The seniority shall be counted based on the date of joining the service of the Institute as a permanent employee.

9) All applications of employees seeking permission for higher studies shall be scrutinized by a committee constituted for the purpose. The members of the committee are recommended below. The applications recommended by the committee will be sent to the Director for approval.

- Dean (Academic Affairs)   -   Chairman
- Associate Dean (PhD Affairs)   -   Member
- Associate Dean (R&P Cell)   -   Member
- Three faculty members nominated by the Director from the Hospital wing / BMT wing / AMCHSS)
- Dy. Registrar   -   Convener

10) Prior to applying for admission to higher studies, especially for Ph.D., a 'No Objection Certificate' (NOC) has to be sought by the employee concerned from the competent authority. Once selected for the desired course, a second NOC has to be sought by the employee concerned prior to seeking admission to the program.

11) The non-academic employees who would like to register for a Ph.D. should be encouraged to register with SCTIMST on a part-time basis. Since the employees will use internal resources and facilities for their Ph.D. program, internal registration should be encouraged. In case of external registration, a co-guide from SCTIMST should be considered. The anticipated output such as publications, patents, conference papers, and awards received should benefit the Institute in its overall academic performance at the national level.

12) Those who are utilizing the Institute resources for the Ph.D. program should use them within the framework of the Rules of the Institute.

13) While applying for a part-time Ph.D. program at the Institute, it is mandatory for the staff to go through the normal selection process of the Institute. The rules and regulations of the Ph.D. program at the Institute are applicable *mutatis mutandis* to the employees selected for the part-time Ph.D. program.

14) If suitable guides are not available in the area of the part-time Ph.D. program, the staff would be allowed to register with an external guide in a recognized University/Institute. This option is primarily meant for the administrative staff of the Institute. In such cases, there should be a co-guide from the Institute.

15) The committee recommends that the transfer of the employee may be avoided during the initial 3 years of registration for the part-time Ph.D. program. When the duration of the part-time Ph.D. program extends beyond three years, the employee will be included in the transfer policy based on the rules of the institute.

16) Employees registered for the part-time Ph.D. are expected to do their research work outside office hours and without affecting the regular duties and responsibilities assigned to them. There shall be sufficient evidence that the Ph.D. work was done without compromising the assigned responsibilities.

17) Those who are registering for part-time Ph.D. at SCTIMST should avail of their eligible leave for coursework, examinations, fieldwork, seminars, etc.

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/)
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 that are competitive in the international market.

- Carry out research in frontier areas of healthcare 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, nano-medicine, sensors and tissue engineering scaffolds. Biological research focuses on the culture and differentiation of adult stem cells for regenerative medicine, *in vitro* tissue engineering, and the development of biotherapeutics and diagnostic reagents.

Many sophisticated analytical equipment are available on the campus for the 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 is the confocal microscope, environmental SEM, 3D bioprinting of tissues, 3D bioprinter, fluorescent activated cell sorter (FACS), Real-Time PCR, ultracentrifuge 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.

VIII. MASTER OF TECHNOLOGY IN BIOMEDICAL ENGINEERING

The National Medical Devices Policy 2023, approved by the Union Cabinet of India on 26th April 2023, is expected to help the Indian medical devices sector grow from the present $ 11 billion to $ 50 billion in next five years. The policy aims to build an innovative and globally competitive industry in India. It encourages research, development, and adoption of cutting-edge medical technologies. It is designed to foster innovation and enhance the quality of manpower in India's medical device sector. By fostering innovation, the policy ensures that India remains at the forefront of medical device advancements. Quality manpower ensures the effective implementation of policies and the delivery of safe and reliable medical devices. By supporting quality manpower development, the policy contributes to better healthcare outcomes for patients.

Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), located in Trivandrum, Kerala, India, has made significant contributions to medical device development in the country. As 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), SCTIMST has a rich legacy of pioneering the convergence of medicine and technology in India.

Some notable achievements of SCTIMST in the field of medical device development is given below:

1. **Heart Valve**: SCTIMST successfully developed and transferred technology for a **mechanical heart valve prosthesis**. This life-saving device has been widely used in cardiac surgeries.

2. **Blood Bag System**: The institute played a crucial role in establishing a medical device

industry base in India by creating the **disposable blood bag system**. This innovation has significantly improved blood transfusion practices.

3. **Blood Oxygenators**: SCTIMST developed and transferred technology for **blood oxygenators**, essential devices used during cardiopulmonary bypass surgeries.

4. **Concentric Needle Electrode**: SCTIMST pioneered the development of the **concentric needle electrode**, a critical tool for electromyography (EMG) studies.

5. **Hydroxyapatite-based Bioceramic Porous Granules**: These granules, developed by SCTIMST, find applications in orthopedic and dental surgeries.

6. **Intrauterine Device (IUD)**: SCTIMST contributed to the development of an IUD, a widely used contraceptive method.

7. **Vein Viewer**: The institute's research led to the creation of a **vein viewer**, aiding healthcare professionals in locating veins for intravenous procedures.

8. **RNA Isolation Kit and Multiplex RT PCR Kit**: SCTIMST developed kits for RNA isolation and multiplex reverse transcription-polymerase chain reaction (RT-PCR), crucial for molecular diagnostics.

9. **TIMed (Medical Devices Incubator)**: SCTIMST established **TIMed**, a medical devices incubator, fostering innovation and collaboration between researchers, industry, and entrepreneurs.

These achievements demonstrate SCTIMST's commitment to advancing healthcare through cutting-edge medical technologies. The institute continues to focus on research, training, and public health initiatives, making it a beacon of excellence in the field of medical sciences and technology in India.

The joint culture of medicine and technology that the Institute pioneered more than four decades ago has come of age and has gained unprecedented acceptance in India. The Institute also focuses on advanced super-specialty postgraduate training programs in medical specialties and health research of social relevance, and the development of high-quality medical devices and technology of industrial significance. The emphasis is on the development of activities less readily available in the country, such as interventional radiology, interventional stroke care, cardiac electrophysiology, advanced cardiothoracic and vascular surgery, management of epilepsy and movement disorders, micro-, spinal and endoscopic neurosurgery, development of new biomedical devices and products, evaluation of medical devices to global specifications, novel 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, technological development and public health research.

The Institute's objectives are to:

- 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, as well as in 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, public health and biomedical engineering. To promote the above-specified objectives, the institute now offers post-graduate teaching and training in biomedical sciences and technology through an MTech program.

1. About the MTech Program

1.1. Scope of the Program

Medical devices play an important role in modern healthcare. There is a huge and growing demand in India as well as across the globe for medical devices. India, being one of the major users of medical devices and implants, depends on imports for over 80% of its needs. The nation is striving to expand its capabilities and human resources in medical devices and implants and become self-sufficient. Data-driven medical diagnosis and treatment is an upcoming area that uses information technology to provide customized and accurate treatment. The Government of India has introduced a Production Linked Incentive scheme in medical device manufacturing to encourage domestic manufacturing, attract significant investments, reduce reliance on imports, and attain self-sufficiency (Atmanirbhar Bharat) in this industry segment as well. To achieve this goal, trained manpower is required, especially in the area of medical devices, biomedical science and technology, and their design, testing and validation. To meet this imminent demand, focused courses and training in Biomedical Engineering are to be implemented. This Master of Technology (Biomedical Engineering) course has been conceived with this background.

This course imparts knowledge and training in Biomedical Engineering with a focus on developing medical devices in the domains of Cardiovascular, Neurological, Orthopaedic, and Orthotic devices with a view to innovating solutions meeting performance, safety, and regulatory criteria. Biomedical signals and imaging and their importance in diagnosis and treatment are also covered. The specialized engineering skills required are imparted through short-term course projects wherein the student is trained to use scientific and technical knowledge and state-of-the-art tools to create an innovative solution. The whole gamut of medical device development from identifying user needs, interacting with clinicians and patients and identifying their requirements, choice of design and materials, modelling and simulation, testing and validation, in vivo models, to clinical trials are covered during the course. The importance of innovation and intellectual property are also introduced. The student will be well poised with this course to take up roles in industry, research as well as academia.

1.2.   Program Description

Advanced knowledge in engineering principles, science, technology and its practice in Biomedical engineering will be provided by the course. Emphasis is on providing a comprehensive understanding of the medical device development lifecycle. This includes identifying user needs from the perspective of clinicians, users and patients, their design and development, validation, regulatory requirements, translation and manufacturing. The course will also address the choice and selection of biomaterials for various applications. Biomedical signal and image analysis will also be covered and equip the student towards modern data-driven systems for diagnosis and treatment. The course aims to equip scholars to individually research, innovate and develop medical devices using a needs-based approach, manage risks, achieve performance as well as safety, successfully build, prototype and test, generate intellectual property and communicate their work effectively under a quality management framework.

2.   Learning Objectives

(i)   Medical Devices – what, risks, safety, performance, quality, standards, regulatory mechanisms.
(ii)   Biomaterial selection and evaluation for various applications.
(iii)   Biomechanics, Biosignals and Medical Imaging
(iv)   Design and Design Optimization – user needs, analysis, CAD, simulation, computational methods.
(v)   Prototyping, Design verification and validation, Translation, Manufacturing
(vi)   In depth design principles of cardiovascular, electromechanical, polymeric, orthopaedic, and orthotic devices, instrumentation and biomedical signals and images.
(vii)   Quality management systems, Innovation, Intellectual property, effective communication and management skills.

3.   Course Structure

The structure of the program is detailed below:

- The MTech Biomedical engineering curriculum is interdisciplinary and is of 4 semesters in duration.
- Each academic year has 2 semesters of roughly 15 weeks each (5 days working weeks, omitting the days of evaluation/exams).
- The courses will consist of CORE courses in Biomedical engineering and is common to all students in semester one.
- Specialisation core courses will be offered in second semester and Electives will be chosen based on the student's research interest under the guidance of the Research Advisor.
- In the first year the students to get a practical exposure to Biomedical engineering, would have to do two laboratory internships.
- MTech program sets aside the last two semesters for mentored thesis research. Students will start working on a research area in the third semester of study under the supervision of a guide. Research will be supervised by a Research Advisory Committee (RAC)

composed of Research Advisor/Guide (or Mentor), Co–Advisor and a nominee of the Head of Department as ex–officio member. The guide may initiate the steps to constitute RAC which may be recommended by the Head of Department and approved by the Dean (Academic affairs). Scholars are expected to carry out their research activity on campus. Research work off-campus will be permitted to sponsor candidates in case an MoU exists that directly facilitates academic activities.

 For identifying research problems, the students are encouraged to contact clinicians, and industries including startups, in case an MoU exists with the organization for collaboration.

 The research area could be an unmet clinical need identified with the help of a clinical faculty or a resident. This unmet need must be researched in depth to arrive at a solution. The Co-Advisor could be a clinical faculty associated with the clinical resident who is also working simultaneously on the clinical aspects in the same area.

 The medium of instruction, examination and project report for all courses is English. The syllabi and curricula of the program are subject to revision from time to time. On course commissioning a Syllabus Revision Committee (SRC) will be formed from participating faculty under the Head of Department. SRC will meet once a year and recommend changes in syllabus and course systems for incoming admissions as necessary. Recommendations from SRC on the course conducted in the department will be passed on to the Academic Affairs for approval through proper channel for implementation.

 Currently maximum number of students admitted would be 10, considering the faculty strength, lab space and facilities. Four seats can be reserved for sponsored candidates. A "No Objection Certificate" from their employers indicating grant of permission to undertake course and commitment to meet expenses will be required.

4.   Mode of Selection

Out of the 10 seats, six seats will be filled from CCMT allotment and remaining 4seats will be filled separately from other and sponsored candidate. (notification will be published later). The admission through CCMT is purely based on GATE score.

5.   Eligibility Requirements

Candidates with a CGPA above or equal to 6.5 (or equivalent marks) in the undergraduate level in the following categories are eligible for admission to the course.

I.   B.E./B.Tech. /AMIE or equivalent in following disciplines with valid GATE score

 Biomedical Engineering
 Biotechnology
 Chemical Engineering
 Computer Science and Engineering/ Information Technology
 Electrical Engineering
 Electronics/Telecommunications Engineering

- Engineering Physics
- Instrumentation Engineering
- Mechanical Engineering
- Metallurgy & Materials Science
- Pharmaceutical Technology
- Polymer Technology
- Other Branches of Engineering

II. M.Sc. or equivalent in following disciplines with valid GATE score

- Biochemistry
- Biophysics
- Biotechnology
- Ceramics
- Chemistry
- Electronics / Electronic Sciences
- Ergonomics
- Materials Science
- Mathematics
- Molecular Biology
- Physics
- Physiology
- Other Branches of Science

III. Health Sciences with all National level post graduate entrance examination for the disciplines like NEETPG, NEETMDS, etc.

- MBBS
- BDS
- BPharm
- BVSc
- B.P.Th., B.O.Th., B.ASLP, Pharm D (Eligible only if the duration of these courses is 4 years or more).

All India level postgraduate entrance examinations for corresponding disciplines such as INI_CET/NEETPG/ NEETMDS JIPMER/PGI Chandigarh/ AFMC Pune/DNB Part I, AIIPMR for MBBS / BDS, GPAT/ All India level selection examination for BPharm, All India level post graduate entrance examination such as AIIPMR for MVSc., M.P.Th., M.O.Th. and M.ASLP. GATE examination for all such health science background where applicable.

Eligibility/rank certificates for all such national-level entrance examinations are required. The candidate should have qualified for the entrance examinations (as per the qualification criterion of the respective **exam** for that exam year and category) and the score obtained should be valid (as per the duration of validity for the respective exam) at the time of application to the MTech program.

5.1.   Overseas Students

Selection will be based on educational qualifications, professional experience, the sponsoring organizations' assessments, and a telephonic interview. Applicants are required to submit two confidential reference letters while submitting the application form. Also, the candidates have to provide certification for proficiency in English.

6.   Number of Seats and Duration of the Program

Duration and commencement of the program: MTech Biomedical Engineering is a four-semester program that commences on 1st August 2026.

Reservation: Reservation is applicable for selection as per the Government of India norms.

- **Number of seats:** 10 (ten), (out of ten, four seats are reserved for sponsored candidates, A 'No Objection Certificate' from their employers indicating permission to undertake the program and commitment to meet expenses will be required).

- **If sponsored candidates are not available, then the seat reserved for sponsored candidates will be filled with other eligible candidates.**

- A reservation roaster has been prepared and for the August 2026 session these 6 seats will be distributed as given in the table below:

- If candidates in ST category is not available that seat will be filled with SC candidates and vice versa. If candidates in the reservation category is not available, that seat will be filled with UR candidates.

Seats as per roaster when:	UR	OBC	SC	ST	EWS
Through CCMT = 6	3	2	1	0	0
Through Direct selection by SCTIMST (Not applicable for Sponsored) = 4	2	1	0	0	1

7.   Categories of Admission and Financial Support

The institute will admit students under the following categories:

7.1.   Research Assistantship

Six students will be admitted in this category. An amount of Rs. 12,400/- per month will be paid for GATE/ other national Eligibility test qualified candidates for a period of 24 months. Students receiving assistantships should work in laboratories specified by the department for at least 8 hours per week. The amount will be released based on the attendance in the lab work. In case, sponsored candidates do not join in this academic

year, then unfilled sponsored seats will be filled with non-sponsored candidates and research assistantship will be given as mentioned above.

7.2. Sponsored Candidates

Academic institutes, research institutes and industries can sponsor candidates for the program. Four seats are reserved for sponsored candidates. GATE or the National level eligibility test is not mandatory for sponsored candidates.

8.   Fee Structure

Admission Fee (₹)	
Application fee	1,500 *
Admission fee	1,000
Caution deposit	10,000
Library	1,000
Student welfare fund	1,000
Miscellaneous fee (Identity card, etc.)	500
Total (A)	**15,000**
(-1200 for SC/ST category candidates*	

Tuition Fee (₹) – To be paid semester-wise	
Semester 1	25,000
Semester 2	25,000
Semester 3	25,000
Semester 4	25,000
Total (B)	**1,00,000**

Exam Fee (₹)	
Semester 1	1,000
Semester 2	1,000
Thesis evaluation	5,000
Total (C)	**7,000**

Total Fee for the MTech BME program (A+B+C) = ₹ 1,22,000 (INR One lakh twenty-two thousand only).

9. Accommodation

Limited hostel facilities on a shared basis are available for students on a payment basis.

10.

Admission notification will be on	**1st March 2026**

11. Course Curriculum

11.1. Program Requirements

MTech (Biomedical engineering) program follows a credit-based system for the successful completion of the degree program. Each course is assigned credits, and continuous assessment is used to assign a letter grade to a student enrolled in that course based on a relative grading scheme. A cumulative grade point average (CGPA) is calculated using the student's letter grades. The following are the minimum requirements for the award of a MTech degree:

- Each student should acquire a minimum of **75 credits** for MTech program.
- All the courses of the first year must be successfully completed.
- Successful completion of the thesis by research is mandatory for the award of the MTech degree.
- Scholars shall be encouraged to attend conferences / seminars in the area of their work by Mentor.
- A prepared manuscript for publication and / or patent application is to be submitted with thesis.

11.2. Coursework and Assessment

The progress of the students will be assessed using:

- (i) Written reports
- (ii) Oral presentations
- (iii) Laboratory reports
- (iv) Examinations
- (v) Thesis

11.3. Assessment Guidelines

- (i) Marks for courses will be awarded on the basis of written assessment and internal assessment.
- (ii) Admission to written assessment (or written examination) is restricted to students who secure 80% attendance. Lack of attendance due to medical grounds will be condoned on production of a medical certificate from a licensed medical practitioner. Written assessment will be for 60% to 80% of the total marks allotted for the course.

(iii) Internal assessment Assignments: At least one oral presentation will be assigned based on the subject area and one assignment in written/typed form. 20-40 marks per module is assigned to the same. 10-15 marks for oral presentations/seminars and 10-25 marks for project work. Marks can be further allotted based on presentations and assignments by faculty. For example, 100 marks is total mark available for assessment to obtain 3 credits for a particular course. Then 60 - 80 marks will be allotted to the written exam and 20 - 40 marks will be allotted to the internal assessment.

(iv) Academic Review: Scholars should be made aware that academic activity will be reviewed thoroughly, and plagiarism or unethical practices will not be tolerated in any form. In case of unethical activity, adverse reports on plagiarism analysis the mentor of the student, RAC & HOD shall be notified. Further action as required will be recommended by the RAC.

(v) Thesis: This shall be a comprehensive document covering research work from inception, literature review to reporting of results. Format of MTech thesis and guidelines as published with updates from time to time on SCTIMST website should be followed.

(vi) The Thesis will be evaluated by two examiners nominated by the HOD as well as the research mentor.

(vii) Submission of thesis will be on the last working day of the penultimate month of the 4th semester. This will provide a three-week window for DAA to provide it for review and gather comments from two examiners before the *viva voce*.

11.4. Assessment Criteria & Evaluation

PERCENTAGE OF MARKS	LETTER GRADE
90 and above	S - Outstanding
80 to < 90	A - Excellent
70 to < 80	B - Very Good
60 to < 70	C - Good
50 to < 60	D - Satisfactory
40 to < 50	E - Poor
<40	F - Fail
Incomplete	I
Withdrawal	W

11.5. Marks Awarded for Courses

For each course, the maximum marks awarded on evaluation would be 100 and this may be gained through the following ways of assessment:

- o   Written Exam   : 60 - 80 marks (each course exam)
- o   Seminars/Assignment   : 10 - 15 marks (each course)
- o   Course Project   : 10 - 25 marks (each course)

Laboratory Internship   :100 marks (each report and presentation)

Marks for Research Project Report   : 70% (assessed by the Monitoring Committee including the mentor)

Marks for Research Thesis Viva   : 30% (based on the defence of the thesis)

12.6.   Grade Points

GPA - Grade Point Average, Semester wise – SGPA, Cumulative - CGPA

$$GPA = \frac{\sum_i (C_i . GP)}{\sum_i C_i}$$

where C_i is the credit of the course;

GP is the grade point of that course, and $\sum_i$ is the sum of the credits of all registered courses successfully cleared during that semester.

Letter Grades

Grade	Grade points
S	10
A	9
B	8
C	7
D	6
E	4
F	0

Attendance Code

Attendance rounded to	Remarks	Code
$\geq$ 5%	Very good	VG
85 - 94%	Good	G
< 85%	Poor	P

For converting GPA into percentage, use the formula:

'Percentage = 55 + 10 (GPA - 6)'

Grades 'S' to 'E' indicate successful completion of the course

12.7.   Essentials for Completing Courses

(i) Students are expected to attend all the classes. Students with overall 80% attendance or above will only be permitted to write the end semester examination. Attendance will be recorded in every class.

(ii) To attend the following semester a student must have completed ALL prerequisite courses (if any) with an E grade or better.

(iii) A student with an F grade in a course may be given a repeat final examination. An F grade may be improved at best to a E grade as a result of the repeat final exam. Under-performing students may be given remedial classes before the repeat final examination.

(iv) Repeat of a course is not permitted if the student has obtained a grade E or above in the same course.

(v) The incomplete grade I is a transitional grade which will be given to the students who miss the end semester examinations under exceptional circumstances (e.g., serious medical reasons) as determined by the MTech course coordinator in consultation with the Head of Department (if applicable) and approved by the Dean (Academic Affairs). Make-up examination will be given to these students provided they meet 80% attendance and other academic requirements as per the rules and regulations of the institute. The actual grade obtained after the make-up examination will be taken and will reflect in the transcript replacing the I grade. In case a student obtains an F grade in the make-up final examination, he/she will be eligible to write the repeat final examination. Absence in the make-up examination will automatically lead to zero marks in that examination and the final grade in that course will be determined based on the other examinations taken in that course. If the absence of a student in an examination is not approved by the Dean (Academic Affairs) (e.g., a deliberate attempt to skip the examination), he/she will be awarded zero marks in that particular course examination. The final grade in that course will be determined based on the other examinations of that course taken by the student.

(vi) Withdrawal of a registered course in a semester is usually permitted/enforced under very special cases, e.g. due to prolonged illness. W grade is given in these circumstances and the student is asked to repeat the concerned course with same course number taking all examinations when offered next. The new grade obtained by the student will be taken into consideration and appear in the transcript. However, the previous W grade will also appear in the transcript.

(vii) W grade will not have any effect in the calculation of CGPA. If a student has W grade in a registered course in a particular semester, CGPA will be calculated based on the grades obtained in other courses of that semester.

(viii) If a student does not clear a CORE course even after writing (or skipping) the repeat final examination, he/she is required to repeat the course with the same course number when offered next taking all examinations. Until the course is repeated and passed by the student, it is treated as a backlog in the student's records. Both the grades, the new grade and the previous F grade, will appear in the grade transcripts.

(ix) An F grade obtained in a course will contribute to the CGPA until:
   i. The course with the same course number is completed with a E grade or better (applicable for foundation and core courses) OR
   ii. Substituted with an alternative course of the respective Department and completed with an E grade or better (applicable only for minor/elective/additional courses).

(x) A maximum of one backlog course from the first year may be allowed, at the discretion of the Dean (Academic Affairs) and the Director, before a student can choose a major and proceed to the second year.

(xi) A student who has more than two F and/or W grades in a particular semester of the first four semesters will have to repeat ALL the courses of that semester. Only the new grades obtained in all the courses will be taken into consideration and the previous grades will be converted to W grades.

(xii) The student gets elevated gradually to each semester(s) by completing / attempting all the courses of previous semester(s) by registering and writing the end semester examinations as per rule and meeting other academic requirements as per Course Diary.

13. Details of Courses and Credits

13.1. Semester-Wise Credit Distribution

Semester	I	II	Summer Internship	III	IV	Total
Credits	18	19	4	17	17	**75**

13.2. Assignment of Credits to Courses

Course Code	Course Name	L	T	P	C
SCT XXX	Course 1	2	0	2	3

L: Lecture, T: Tutorial, P: Practical /Lab, C: Credits

One lecture or tutorial hour per week for a 15-week long semester is assigned one credit.

Two laboratory/practice hours per week for a 15-week long semester is assigned one credit.

13.3. Semester-wise Distribution of Courses and Credits

SEMESTER 1

Course Code	Course Name	L	T	P	C
SCT 501	Anatomy and Physiology for Engineers #	2	1	0	
MDE 501	Immersion to Engineering and Technology #	2	0	2	3
BST 501	Biomaterials	2	0	2	3
MDE 502	Fundamentals of Medical Devices	2	0	2	3
MDE 503	Medical Device Technology	2	0	2	3
BMT 501	Research Methodology	1	0	0	1

Course Code	Course Name	L	T	P	C
SCT 551	Clinical attachment	0	0	4	2
BMT 551	Laboratory internship 1	0	0	4	2
BMT 502	Safety in Biomedical Laboratories	0	1	0	1
	Total for Semester 1				**18**

 # Mandatory bridge course – Either one of these courses should be selected based on the educational background of the student.

SEMESTER 2. SPECIALISATION - MEDICAL DEVICES ENGINEERING

Course Code	Course Name	L	T	P	C
MDE 612	Computational Modelling in Biomedical Engineering	2	0	2	3
MDE 611	Medical Device Design and Production	2	0	2	3
	Elective 1				3
	Elective 2				3
	Elective 3				3
MDE 551	Laboratory Module	0	1	2	2
MDE 552	Laboratory internship II (Mini Project)	0	0	4	2
	Total for Semester II				**19**

SPECIALISATION - MEDICAL DEVICES ENGINEERING: ELECTIVE COURSES

Course Code	Course Name	L	T	P	C
MDE 511	Medical Instrumentation and sensors	2	0	2	3
MDE 512	Biomechanics	2	1	0	3
MDE 513	Biomedical Signal and Image processing	2	0	2	3
MDE 613	Advanced Polymer Technology	2	0	2	3
MDE 514	Orthopaedic Implant Technologies	2	1	0	3
MDE 515	Artificial Intelligence and Connected Health	2	0	2	3

SEMESTER 2. SPECIALISATION - APPLIED BIOSCIENCES

Course Code	Course Name	L	T	P	C
APB 611	Biological & Safety Evaluation	2	0	2	3
APB 612	General Pathology and Implant Biology	2	0	2	3
	Elective 1				3
	Elective 2				3
	Elective 3				3
APB 551	Laboratory Module	0	1	2	2
APB 552	Laboratory internship II (Mini Project)	0	0	4	2
	Total for Semester II				**19**

SPECIALISATION - APPLIED BIOSCIENCES: ELECTIVE COURSES

Course Code	Course Name	L	T	P	C
APB 511	Applied Biochemistry & Physiology	1	1	2	3
APB 512	OMICS (Genomics, Proteomics, Metabolomics)	2	0	2	3
APB 613	Tissue Engineering & Regenerative Medicine	2	1	0	3
APB 614	Tissue-based Medical Devices	2	1	0	3
APB 513	Fundamentals of Pharmacology	2	1	0	3
APB 615	In-vivo Functional Safety Evaluation	1.5	1	1	3

SEMESTER 2. SPECIALISATION - BIOMATERIALS

Course Code	Course Name	L	T	P	C
BST 611	Polymeric Biomaterials	2	1	0	3
BST 612	Biomaterials Processing Techniques	2	0.5	1	3
	Elective 1				3
	Elective 2				3

		L	T	P	C
	Elective 3				3
BST 551	Laboratory Module	0	1	2	2
BST 552	Laboratory internship II (Mini Project)	0	0	4	2
	Total for Semester II				**19**

SPECIALISATION - BIOMATERIALS: ELECTIVE COURSES

Course Code	Course Name	L	T	P	C
BST 511	Nano Biomaterials	2	1	0	3
BST 613	Drug Delivery Systems	2	1	0	3
BST 614	Orthopaedic and Dental Materials	2	1	0	3
APB 615	In-vivo Functional Safety Evaluation	1.5	1	1	3
APB 613	Tissue Engineering & Regenerative Medicine	2	1	0	3

SUMMER INTERNSHIP

Course Code	Course Name	C
BMT 552	Industrial internships / Hospital internship/ Laboratory internship	4

Students are expected to do summer internship and submit a report for obtaining the credits. The internships may preferably be done with start-ups, industries, hospitals, research institutes, academic institutes, or laboratories of SCTIMST in the order of preference.

SEMESTER 3

Course Code	Course Name	C
TQM 501	Technology, Quality & Regulatory Management of Medical Devices	3
BMT 701	MTech Thesis Research – Work Status Report & Seminar	14
	Total for Semester 3	**17**

SEMESTER 4

Course Code	Course Name	C
BMT 702	Comprehensive Course Viva	2
BMT 703	MTech Thesis Research – Project Report & Viva Voce	15
	Total for Semester 4	17

13.4. Program Outcome

The program is expected to equip students with the knowledge and skills needed to identify unmet clinical needs and design medical devices. The following attributes are to be demonstrated by a graduate upon completing the program. The identified program outcome (PO) is listed below:

PO1: The ability and skills needed to identify unmet clinical needs and design medical devices.

PO2: The ability to identify appropriate materials, methods, design tools, and processes for the development, fabrication, and evaluation of medical devices.

PO3: Ability to understand methods to be followed in the biological evaluation of medical devices.

PO4: Understand the regulatory mechanisms underlying for taking a medical device to market.

PO5: Gain in-depth knowledge of the processes involved in the translation of medical technologies from concept to commercialization.

14. Curriculum and Syllabus

Curriculum and syllabus are available in the public domain. All aspirants are requested to visit the following web link to see the curriculum and syllabus (https://www.sctimst.ac.in/Academic%20and%20Research/Academic/Curriculum%20&%20Syllabus/resources/MTech_Biomedical_Engineering.pdf).

15. Application Procedure

Application form and application fee are to be submitted through ONLINE MODE ONLY through our website: www.sctimst.ac.in.

All bank charges are to be borne by the applicant.

Application fee (in Rupees): Rs. 1500 (Rs. 1200 for SC/ST candidates)

It is mandatory to bring printouts of the filled application form, original certificates to prove age, qualification, and experience **at the time of interview**, if selected, along with self-attested copies of the following documents:

 a. Online payment receipt of application fee.

b. A valid Caste certificate for SC/ST/OBC (non-creamy layer) candidates (issued by revenue authorities, not below the rank of Tahsildar).

c. 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 annexures.

d. 'No Objection Certificate' in the case of employed/sponsored applicants in the prescribed format given in the annexures will be required.

15.1. General Instructions

1. The online application can be filled out from **01.03.2026 to 30.03.2026.**

2. For online application submission, please visit https://www.sctimst.ac.in/Academic%20and%20Research/Academic/Admissions/(www. sctimst.ac.in home page ⋅ Academic ⋅ Admissions ⋅ Register/Login to Fill up & Submit Application).

3. Avoid submitting multiple applications; duplicate applications from an applicant will result in the cancellation of all such applications. The candidate should fill in the online application with utmost care and follow the instructions.

4. It will be the candidate's responsibility to ensure that the correct details are filled in the online application form. SCTIMST will not be responsible for any incorrect information/cancellation of candidature/loss or lack of communication, etc., due to an incorrectly filled online application form.

5. The candidate must ensure that no column is left blank. The candidate must complete the filling of the application form in one go.

6. Candidates will also be provided with a 'Login' facility after successful registration of their application. Candidates can take the print-out of the application form from the dashboard of the Online Application Portal by entering the application number, email identity, and date of birth provided at the time of submission of the application.

7. If the applicant is an employee of a State or Central Government or Public Sector Undertaking, a 'No Objection Certificate' should be obtained from the employer prior to the submission of the online application. This certificate should be produced at the time of entrance examination/clinical, practical and viva-voce/interview.

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

9. All correspondence will be through the registered email/mobile number.

10. The screening committee appointed by the Institute reserves the right to accept/reject an application.

15.2. **List of documents to be uploaded**

The list of documents to be uploaded at the time of online application are listed below: The photograph should be in jpeg format and all other documents shall be in pdf format.

1. A passport-size photograph (with white background).
2. An authentic document to prove the age.
3. Caste certificate for SC/ST/OBC (Non-creamy layer) issued by revenue authorities, not below the rank of Tahsildar (valid as per Government of India norms).
4. Documents to prove the EWS category, if applicable.
5. Documents to prove the PwD category, if applicable.
6. 'No Objection Certificate' in case the candidate is employed.
7. Certificates to prove academic qualifications and achievements.

15.3. **Hall Ticket/Call Letter**

Eligible candidates for the entrance examination can download the hall ticket/ call letter ten days before the scheduled date for the interview from the portal of our website www.sctimst.ac.in. Please bring this card with you for entering the interview hall.

16. **Address for Contact**

For more information, please contact:
> The Deputy Registrar,
> Division of Academic Affairs,
> Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram
> - 695011, Kerala, India.
> Contact telephone Nos.: (0471) 2524269, 2524289, and 2524649.
> > Email: regoffice@sctimst.ac.in

ACTS WARRANTING REMOVAL OF A STUDENT

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. Unsatisfactory disciplinary conduct during the program at SCTIMST.

d. Furnishing willfully or knowingly false/fake particulars for admission to SCTIMST.

e. The decision of the Director, SCTIMST shall be final as to whether any Student comes within the ambit of condition (a) or (b)] above.

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 services on public health issues to the public, NGO, and 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 programs 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.

IX.   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 of 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 of 1st July 2026.

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 areaof 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 nationals 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 6): 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.

VIII.   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: One Year (from July 2026 to June 2027)

Minimum Experience required: Three years in Government service after MBBS.

Age Limit: Up to 50 years as of **01-07-2026**

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 on page no. 6). The course fee includes registration fee, examination fee, tuition fee, and charges for the 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.

a.   **PhD IN HEALTH SCIENCES (FULL TIME AND PART-TIME)**

Part-time registration for the PhD program is available only in the Health Sciences conducted 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. 40) for more details. For information on fee structure refer to page No. 6. For further 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-Super specialty) or INI-CET (Institutes of National Importance-

Common Entrance Test) 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.
2. 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
3. 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/INI-CET). 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 degrees to Kerala State Medical Councils (KSMC)/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. (**www.biotech.iitm.ac.in**)

(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. (**www.biotech.iitm.ac.in**)

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

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

Hostel: Hostel facilities are available in all 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	Amount (INR)
A.	**One-time fees**	
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 fees**	
1.	Tuition fee *	5,000
2.	Examination fee	300
3.	Library & Internet	500
	Total	**5,800**
C.	**Hostel Fees**	
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 6).

CO-ORDINATORS:

SCTIMST: **Dr. Roy Joseph**
Scientist – G (Sr. Gr.), Division of Polymeric Medical Devices,
SCTIMST, BMT Wing, Poojappura, Trivandrum -695 012. Kerala.
Tel: 0471-2520275, 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).**

<u>For further enquiries please contact:</u>

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 Master's 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 /interviews will be held there.

For Admission and Further Details, Please Contact:	
For MS & PhD in Bioengineering:	*For MPH program:*
Prof. Sivakumar Balasubramanian Head, Department of Bioengineering	**Prof. Vinod Abraham** Head, Dept. Community Health

Christian Medical College Bagayam, Vellore-632002 Tel: 0416-2285098 E-mail: siva82kb@cmcvellore.ac.in	Christian Medical College, Vellore E-mail: chad@cmcvellore.ac.in

<div align="center">

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

</div>

<div align="center">

APPLICATION PROCEDURE

</div>

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)

PDCC/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, PDCC, Diploma/PG Diploma, ACP and PhD programs	SCTIMST, Thiruvananthapuram
MTECH, MPH and DPH programs	As per the Notification published in March or April, 2026

Definition of categories:

Unreserved (UR) candidates: Unreserved stands for all applicants including overseas citizens 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 will be filled by candidates belonging to UR 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 to produce EWS certificate issued by a competent authority in the prescribed format given in 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.

Intramural Fund for Faculty Guides of Residents

As per office order no.: SCTIMST/DAA/1/105/2022 dated 6th December 2022, the institute offers financial support for intramural projects floated by faculty guides. The funding can be given up to twelve faculty guides (ten for the guides of MD/DM/MCh residents and two for the guides of PDFs) per year.

Pradhan Mantri Vidyalaxmi Scheme

Department of Higher Education, Ministry of Education, Govt. of India introduce Pradhan Mantri Vidyalaxmi Scheme to provide financial assistance to meritorious students for higher education. The scheme provides collateral-free, guarantor-free education loans through a simple, transparent, student-friendly and entirely digital application process, with the rules and regulation of the Government of India from time to time.

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. 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."

All students/residents are advised to fill the anti-ragging undertaking through online portal (Link to fill out the online undertaking affidavit by students and parents: https://antiragging.in/undertaking_request.php/www.antiragging.in/affidavitregistration disclaimer.html / www.c4yindia.org/Home/Undertaking) before submitting application at SCTIMST and submit the proof of the same to Division of Academic Affairs during admission. Step by step guide on how to fill an online anti-ragging undertaking are available at https://www.ugc.gov.in/pdfnews/8408691_Step-by-step-guide-on-How-to-fill-Online-Anti-Ragging-Undertaking.pdf

National Anti-Ragging Helpline

Phone No -: 1800-180-5522
Email -: helpline@antiragging.in

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

ANTI-RAGGING COMMITTEE

1. Dean — Chairperson
2. Head, BMT Wing — Member
3. Associate Dean (Student & Faculty Affairs) — Member
4. HOD, Cardiology — Member
5. HOD, Neurology — Member
6. HOD, AMCHSS — Member
7. HoD, Division of Medical Devices Engineering, BMT Wing — Member
8. Mr. Anu S. Nair, Deputy Collector, Thiruvananthapuram — Member
9. Mr. Anilkumar, Asst, Commissioner of Police, Kerala Police — Member
10. Mr. S. Irudaya Rajan, Representative from NGO — Member
11. Mr. Sajjad Sahir J., Parent representative — Member
12. Dr. Aswin Ram S. P., Sr. Resident, DM Neuroanaesthesia — Member
13. Mr. Willi Paul, Scientific Officer (Instruments), BMT Wing — Member
14. Mr. Suji K, Scientific Officer, Cath Lab — Member
15. Deputy Registrar — Convener and Nodal Officer

IMPORTANT CONTACT ADDRESSES

Designation	Name	Telephone No.	Email-ID
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. Srinivasan K	91-471 – 2524243/ 2524500	dean@sctimst.ac.in
Head AMCHSS	Dr. Dr. Srinivasan K	91-471 -2524243	ksrini@sctimst.ac.in
Associate Dean (PhD Program)	Dr. Umashankar P.R.	91-471 - 2520226	umashnkr@sctimst.ac.in
Associate Dean (Research & Publication Cell)	Dr. Narayanan Namboodiri K.K.	91-471 - 2524384	kknnamboodiri@sctimst.ac.in
Associate Dean (Faculty & student affairs)	Dr. Unnikrishnan K.P.	91-471 - 2524630	unnikp@sctimst.ac.in
Associate Dean (Health Science Studies)	Dr. Rakhal Gaitonde	91-471 - 2524241	rakhal.gaitonde@sctimst.ac.in
Associate Dean (Curriculum & Examinations)	Dr. Suneel P. R.	91-471 – 2524199	suneel@sctimst.ac.in
Associate Dean (IIIA)	Dr. Jayasree R. S.	91-471 - 2520273	jayasree@sctimst.ac.in
Registrar	Dr. Santhosh Kumar	91-471 - 2524150	reg@sctimst.ac.in

	B.		
Deputy Registrar	Ms. Radha M.	91-471 - 2524140	dreg@sctimst.ac.in
Asst. Admin. Officer (Academic)	Ms. Suja T.S.	91-471 - 2524269	regoffice@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 (Sr. Gr.), 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 REDRESSAL COMMITTEE

1.	Dr. Sylaja P.N,Professor,Neurology	Chairperson
2.	Dr. Abhilash .S.P, Professor, Cardiology	Member
3.	Dr. Ajai Prasad Hrishi P., Additional Professor, Anaesthesiology	Member
4.	Dr. Saravana Babu M.S, Additional Professor, Anaesthesiology	Member
5.	Dr. Roy Joseph., Scientist G (Sr.Gr.), Division of Polymeric Medical Devices	Member
6.	Dr. Anil Kumar , Scientist G, Division of Tissue Culture	Member
7.	Dr. Jeemon P., Additional Proressor, AMCHSS	Member
8.	Ms.Suja Raj.L, Lecturer in Nursing	Member

9	Smt. Sethulakshmi V.S , PhD student	Member
10.	A student representing the Wing where the grievance has occurred to be nominated by the Dean/Director	Special invitee

HEADS OF DEPARTMENTS/DIVISIONS

Dept./Divn.	Name	Telephone No.	email-ID
AMCHSS	Dr. Srinivasan K	91-471 – 2524243/ 2524500	ksrini@sctimst.ac.in
HOSPITAL WING			
Anaesthesiology	Dr. Prasanta Kumar Dash	91-471-2524184	dash@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. Harikrishnan S.	91-471-2524457	drhari@sctimst.ac.in
Cardiovascular & Thoracic Surgery	Dr. Vivek V. Pillai	91-471-2524660	vvp@sctimst.ac.in
Computer Division	Dr. Geetha G.	91-471-2524534	geetha@sctimst.ac.in
Transfusion Medicine	Dr. Srinivas G.	91-471-2524689	srinivasg@sctimst.ac.in
Microbiology	Dr. Kavita Raja	91-471-2524222	kavita_raja@sctimst.ac.in
Neurology	Dr. Ashalatha R.	91-471-2524382	drashalatha@sctimst.ac.in
Neurosurgery	Dr. Krishnakumar K.	91-471-2524246	kkns@sctimst.ac.in
Pathology-I/C	Dr. Deepti A. N.	91-471-2524605	akkihebbal@sctimst.ac.in
Imaging Sciences and Interventional Radiology	Dr. C. Kesavadas	91-471-2524220	kesav@sctimst.ac.in
For courses related to Nursing, PGDMRS and ACP please contact			
Nursing Education	Ms. Suja Raj L.	91-471-2524416	ins@sctimst.ac.in
Medical Records	Mr. Sivaprasad R.	91-471 2524415	smro@sctimst.ac.in
Physical Medicine and Rehabilitation	Dr. Jijo Varghese	91-471-2524623	pmrsectiondr@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. Muraleedharan C.V.	0471-2520259	muralicv@sctimst.ac.in
Department of Applied Biology	Dr. Anilkumar T.V.	0471-2520282	tvanilkumar@sctimst.ac.in

Dept. of Biomaterials Sciences & Technology	Dr. Manoj Komath	0471-2520320	manoj@sctimst.ac.in
Dept. of Medical Devices Engineering	Er. Muraleedharan C.V.	0471-2520259	muralicv@sctimst.ac.in
Dept. of Technology & Quality Management	Dr. Roy Joseph	0471-2520275	rjoseph@sctimst.ac.in

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).

FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER THE GOVERNMENT OF INDIA

This is to certify that Shri/Smt./Kum. .... Son/Daughter of Shri/Smt. .... of Village/Town .... District/ Division .... in the .... State belongs to the .... Community which is recognized as a backward class under:

    i.   Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186 dated 13/09/93.

    ii.   Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 dated 20/10/94.

    iii.   Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 dated 25/05/95.

    iv.   Resolution No. 12011/96/94-BCC dated 9/03/96.

    v.   Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 11/12/96.

    vi.   Resolution No. 12011/13/97-BCC dated 03/12/97. vii. Resolution No.

12011/99/94-BCC dated 11/12/97. viii. Resolution No. 12011/68/98-BCC

dated 27/10/99.

    ix.   Resolution No. 12011/88/98-BCC dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99.

    x.   Resolution No. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated 04/04/2000.

    xi.   Resolution No. 12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000.

    xii.   Resolution No. 12015/9/2000-BCC dated 06/09/2001. xiii. Resolution

No. 12011/1/2001-BCC dated 19/06/2003. xiv. Resolution No. 12011/4/2002-

BCC dated 13/01/2004.

    xv.   Resolution No. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 16/01/2006.

    xvi.   Resolution No. 12011/14/2004-BCC dated 12/03/2007 published in the Gazette of India Extraordinary Part I Section I No. 67 dated 12/03/2007.

    xvii. Resolution No. 12015/2/2007-BCC dated 18/08/2010.

    xviii. Resolution No. 12015/13/2010-BCC dated 08/12/2011.

Shri/Smt./Kum. .... and / or his family ordinarily reside(s) in the .... District / Division of .... State. This is also to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt.(SCT) dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004 and further modified vide OM No. 36033/3/2004-Estt. (Res.) dated 14/10/2008 and further modified vide OM No. 36033/1/2013-Estt (Res.) dated 27/05/2013 or the latest notification of the Government of India.

Dated: District Magistrate / Deputy Commissioner/ Competent Authority
                         Seal

NOTE:

a. The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

b. The authorities competent to issue Caste Certificates are indicated below:

i. District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluk Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate).

ii. Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.

iii. Revenue Officer not below the rank of Tehsildar', and

iv. Sub-Divisional Officer of the area where the candidate and / or his family resides.

The date of issue of OBC (NCL) certificate should be within one year from the last date of application.

Government of ....
(Name & Address of the authority issuing the certificate)
INCOME & ASSET CERTIFICATE TO BE PRODUCED BY ECONOMICALLY
WEAKER SECTIONS

Certificate No_____   Date:_____

VALID FOR THE YEAR _____

This is to certify that Shri/Smt./Kumari _____
son/daughter/wife of _____ permanent resident of
_____, Village/Street _____Post Office
_____ District _____ in the State/ Union
Territory _____Pin Code _____ whose photograph is
attested below belongs to the Economically Weaker Section, since the gross annual income*
of his/her "family"** is below Rs. 8 lakhs (Rupees Eight Lakhs only) for the financial
year_____ . His/her family does not own or possess any of the following assets***

I.   5 acres of agricultural land and above;
II.   Residential flat of 1000 sq. ft. and above;
Ill.   Residential plot of 100 sq. yards and above in notified municipalities;
IV.   Residential plot of 200 sq. yards and above in areas other than the notified municipalities.

2.   Shri/Smt/Kumari _____
belongs to the _____ caste which is not recognized as a Scheduled Caste,
Scheduled Tribe and Other Backward Classes (Central List)

Signature with seal of Office _____
Name _____
Designation_____

```
┌─────────────────────┐
│  Recent passport size │
│ attested photograph of│
│     the applicant     │
│                       │
└─────────────────────┘
```

---

*Note 1: Income covered from all sources, i.e., salary, agriculture, business, profession, etc.
**Note 2: The term "Family" for this purpose includes the person, who seeks benefit of
reservation, his/her parents and siblings below the age of 18 years as also his/her spouse and
children below the age of 18 years
***Note 3: The property held by a "Family" in different locations or different places/cities
have been clubbed, while applying the land or property holding test to determine the EWS
status.

(To be provided on the letterhead of the institution)

No…., Date…..

No Objection Certificate

Mr./Ms. ……………………………………………., ………….. is an employee in the Department of ……………………………………….. at ………………..He/She wishes to apply for the ……………..program of Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum. The …………………….. has no objection related to his/her undergoing the said program at…………………………………… during the period from …to …………… The ………….. will sponsor him on this program.

With best regards,

(Signature of the sponsoring authority)

FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs),
UNDER THE GOVERNMENT OF INDIA

This is to certify that Shri/Smt./Kum. .... Son/Daughter of Shri/Smt. .... of Village/Town .... District/ Division .... in the .... State belongs to the .... Community which is recognized as a backward class under:

I. Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186 dated 13/09/93

II. Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 dated 20/10/94

III. Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 dated 25/05/95.

IV. Resolution No. 12011/96/94-BCC dated 9/03/96.

V. Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 11/12/96

VI. Resolution No. 12011/13/97-BCC dated 03/12/97

VII. Resolution No. 12011/99/94-BCC dated 11/12/97.

VIII. Resolution No. 12011/68/98-BCC dated 27/10/99.

IX. Resolution No. 12011/88/98-BCC dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99.

X. Resolution No. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated 04/04/2000

XI. Resolution No. 12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000

XII. Resolution No. 12015/9/2000-BCC dated 06/09/2001.

XIII. Resolution No.12011/1/2001-BCC dated 19/06/2003.

XIV. Resolution No. 12011/4/2002-BCC dated 13/01/2004.

XV. Resolution No. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 16/01/2006.

XVI. Resolution No. 12011/14/2004-BCC dated 12/03/2007 published in the Gazette of India Extraordinary Part I Section I No. 67 dated 12/03/2007

XVII. Resolution No. 12015/2/2007-BCC dated 18/08/2010.

XVIII. Resolution No. 12015/13/2010-BCC dated 08/12/2011.

Shri/Smt./Kum. .... and / or his family ordinarily reside(s) in the .... District / Division of .... State. This is also to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt.(SCT) dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004 and further modified vide OM No. 36033/3/2004-Estt. (Res.) dated 14/10/2008 and further modified

vide OM No. 36033/1/2013-Estt (Res.) dated 27/05/2013 or the latest notification of the Government of India.

Dated: District Magistrate / Deputy Commissioner/ Competent Authority
                         Seal

NOTE:

   a. The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

   b. The authorities competent to issue Caste Certificates are indicated below:

     i. District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluk Magistrate/ Executive Magistrate / Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate).

     ii. Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate

     iii. Revenue Officer not below the rank of Tehsildar' and

     iv. Sub-Divisional Officer of the area where the candidate and / or his family resides.

     v. The date of issue of OBC (NCL) certificate should be within one year from the last date of application.

Government of ....
(Name & Address of the authority issuing the certificate)
INCOME & ASSETS CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS

Certificate No_____ Date:_____

VALID FOR THE YEAR _____

This is to certify that Shri/Smt./Kumari _____son/daughter/wife of _____ permanent resident of _____, Village/Street _____Post Office _____ District _____ in the State/ Union Territory _____Pin Code _____ whose photograph is attested below belongs to Economically Weaker Sections, since the gross annual income* of his/her "family"** is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year_____ . His/her family does not own or possess any of the following assets***

I.   5 acres of agricultural land and above;
II.   Residential flat of 1000 sq. ft. and above;
Ill.   Residential plot of 100 sq. yards and above in notified municipalities;
IV.   Residential plot of 200 sq. yards and above in areas other than the notified municipalities.
2.   Shri/Smt/Kumari _____ belongs to the _____ caste which is not recognized as a Scheduled Caste, Scheduled Tribe and Other Backward Classes (Central List)

Signature with seal of Office _____
Name _____
Designation_____

Recent Passport size attested photograph of the applicant

*Note1: Income covered all sources i.e. salary, agriculture, business, profession, etc.
**Note 2: The term "Family" for this purpose include the person, who seeks benefit of reservation, his/her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years
***Note 3: The property held by a "Family" in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.

BOND FORMAT FOR Senior Residents /Junior residents

ARTICLES OF AGREEMENT, made this day of_____ Two thousand and twenty-five 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 (herein after 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,2026.

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, 2025 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 non-performance 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 _____.03.2026.

6. With effect from ………..day of…………….2026 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 Residentship/Junior Residentship. 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.

 Director

For and on behalf of SCTIMST, Thiruvananthapuram.

I ……………………………….a 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 Rs. 50,00,000/- (Rupees Fifty Lakhs) shall be paid by me, if decided to leave the course on or after the second day of joining after the last day of joining period as prescribed at admission.

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-five between_____ son/daughter of _____ (hereinafter called the student) of the one part and Sree Chitra Tirunal 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, 2026.

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 witness 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, Sree Chitra Tirunal Institute for Medical Sciences & Technology and shall serve as _____ student for a period of 02 years commencing from the_____ day of January 2026 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 non-performance 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 2026 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 work 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.

Director

For and on behalf of SCTIMST, Thiruvananthapuram.

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:

BOND FORMAT FOR PhD STUDENTS UNDER SCTIMST FELLOWSHIP

ARTICLES OF AGREEMENT, made this day of ……………………., **Two thousand and twenty five** between …………………….. son/daughter of ………………….. (Hereinafter called the student) of the one part and Sree Chitra Tirunal 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 3 to ___ years commencing from the day of …………………………...

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 witness and the parties hereto 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, Sree Chitra Tirunal Institute for Medical Sciences & Technology and shall be as a student registered for Ph.D. program for a period of three years and extendable up to maximum of five years, commencing from the day of …………………………..until his/her studentship is terminated previously as hereinafter provided.
2. The student may be terminated as follows or for any other offence:

    (i) 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 to continue his/her education 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.
    (ii) 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 non-performance 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 is this behalf shall be conclusive and binding on him/her.
    (iii) By a notice in writing given at any time during the tenure of period under this Agreement by the Director of the Institute or its authorized officer to him, without cause assigned.
3. If the student be suspended from studies in connection with any investigation into his/her conduct, he shall not be entitled to any stipend during such period of suspension.

4. The student shall devote his/her whole time to the studies and shall not engage, directly or indirectly, in any trade/business/occupation/or profession (including any private practice/work) on his/her own account.

5. The student shall not, except as provided in this Agreement, discontinue his/her studentship without completing the course to which he/she has been admitted by the Institute. Concerned defaulter shall be liable to return the whole amount of scholarship received by him/her till the time of resignation OR a total scholarship/stipend/emoluments

received by him/her of 6 months, whichever is higher and the separate rules/norms of fellowship/financial funding agencies, if any.

6. The student will be provided with free hard furnished single room accommodation in the hostel subject to its availability. The student shall have to abide by the rules and regulations of the hostel of the Institute where he/she is accommodated and shall occupy the room allotted to him/her only as a licensee.

7. The student shall vacate the accommodation given to him/her as aforesaid on the day of completion of the course/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.

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

9. 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.

10. 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.

11. 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.

IN WITNESS WHEREOF the student 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.

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

(Signature of the Ph.D. Student)   Witnesses

                                                          Name   Signature

                                              1.

                                              2.

Director

(for and on behalf of SCTIMST, Thiruvananthapuram)

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   fellowship or the total fellowship
received, whichever is higher, 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:

ANTI-RAGGING AFFIDAVIT

UNDERTAKING BY THE CANDIDATE/STUDENT

1. I, _____S/o. D/o. of Mr./Mrs./Ms._____, have carefully read and fully understood the law prohibiting ragging and the directions of the Supreme Court and the Central/State Government in this regard.

2. I have received a copy of the MCI Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009.

3. I hereby undertake that-

   ☐ I will not indulge in any behavior or act that may come under the definition of ragging,

   ☐ I will not participate in or abet or propagate ragging in any form,

   ☐ I will not hurt anyone physically or psychologically or cause any other harm.

4. I hereby agree that if found guilty of any aspect of ragging, I may be punished as per the provisions of the MCI Regulations mentioned above and/or as per the law in force.

Signed this _____day of _____ month of _____year

<div align="right">Signature</div>

Address:_____

_____

Name:

    (1) Witness: (2) Witness:

UNDERTAKING BY PARENT/GUARDIAN

1. I, _____ F/o. M/o. G/o_____, have carefully read and fully understood the law prohibiting ragging and the directions of the Hon'ble Supreme Court and the Central/State Government in this regard as well as the MCI Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009.

2. I assure you that my son/ daughter/ ward will not indulge in any act of ragging.

3. I hereby agree that if he/she is found guilty of any aspect of ragging, he/she may be punished as per the provisions of the MCI Regulations mentioned above and/or as per the law in force.

Signed this _____ day of ____month of _____Year

<div align="right">Signature</div>

Address:_____

_____

Name:

    (1) Witness: (2) Witness: