



श्री चित्रा तिरुनाल आयुर्विज्ञान एवं प्रौद्योगिकी संस्थान 11-त्रिवेन्द्रम.

**SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY,
TRIVANDRUM—695 011**

(An Institution of National Importance under Govt. of India with the status of University
by an Act of Parliament in 1980)

ADMISSION NOTICE FOR ACADEMIC SESSION JANUARY 2020

**The Entrance Examination for DM/MCH/PDCC/MD programs are rescheduled to
11.11.2019 (Monday) & 12.11.2019 (Tuesday).**

Apply online. Please visit our website for reservation policy & more details (www.sctimst.ac.in)

Online registration is available from 02.09.2019 to 05.10.2019 (5 P.M.)

Application fee by ONLINE ONLY.

For more details contact: Division of Academic Affairs (0471-2524 269/649/289)

(E – mail: regoffice@sctimst.ac.in), Registrar: 0471-2524150



SREE CHITRA TIRUNAL INSTITUTE FOR
MEDICAL SCIENCES AND
TECHNOLOGY TRIVANDRUM, KERALA -
695011, INDIA

PROSPECTUS

ACADEMIC PROGRAM

SESSION - 2020

www.sctimst.ac.in

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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 three decades ago has come of age and gained unprecedented acceptance in India. The Institute focuses on advanced superspecialty care of high quality, medical devices technology development of industrial significance, development of postgraduate training program in advanced medical specialties and health research of social relevance. The emphasis is on development of activities less readily available in the country such as interventional radiology, cardiac electrophysiology, surgery for epilepsy, microsurgery, deep brain stimulation for movement disorders, development of new biomedical devices and products, evaluation of medical devices to global specifications, new academic programs and health science research and training.

The Institute has three wings - the Hospital Wing, the Biomedical Technology Wing and the Achutha Menon Centre for Health Science Studies Wing. Excellent research and learning opportunities are available at these wings. The Institute has a dedicated team of clinicians, scientists and engineers devoted to high quality medical research, biomedical research and technological development and public health research.

The Institute's objectives are:

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

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

PROGRAMS ON OFFER - 2020

Post-doctoral courses	PhD/Master's	Other Programs
1. DM Cardiology	16. MD in Transfusion Medicine	Joint Programs
2. DM Neurology	17. Master of Public Health (MPH)	(1) M Tech. (Clinical Engineering)
3. DM Neuroimaging and Interventional Neuroradiology	18. M Phil (Biomedical Technology)	(2) PhD (Biomedical Devices and Technology)
4. DM Cardiovascular Imaging and Vascular Interventional radiology	19. PhD	Affiliated Programs conducted at other Centres A. National Institute of Epidemiology, Chennai (1) Master of Public Health (Epidemiology and Health Systems) B. Christian Medical College, Vellore (1) Master of Science - Bioengineering (2) PhD (Bioengineering/ Biomedical Sciences) (3) Master of Public Health (MPH) C. IIITMK, Trivandrum (1) PhD (Imaging science & Technology) D. Indian Institute of Public Health, New Delhi (1) Master of Public Health (2) PhD (Health Sciences) - Full time
5. DM Cardiothoracic & Vascular Anaesthesia	Diplomas	
6. DM Neuroanaesthesia	20. Diploma in Public Health	
7. MCh Cardiovascular & Thoracic Surgery	21. Diploma in Cardiovascular & Thoracic Nursing	
8. MCh Neurosurgery (after M.S)	22. Diploma in Neuro-Nursing	
9. MCh Vascular Surgery	23. Diploma in Operation Theatre Technology	
10. MCh Neurosurgery –5 year course (after MBBS and 1 year Senior housesurgency / Residency in General Surgery)	24. Diploma in Advanced Medical Imaging Technology	
	PG Diplomas	
11. Post-doctoral certificate course in Cardiothoracic & Vascular Anaesthesia	25. Cardiac Laboratory Technology	
12. Post-doctoral certificate course in Neuroanaesthesia	26. Neuro-Technology	
13. Post-doctoral certificate course in Diagnostic Neuroradiology	27. Medical Records Science	
14. Post-doctoral certificate course in Vascular Surgery	28. Clinical Perfusion	
15. Post-doctoral Fellowship (Post DM/MCh/DNB)	29. Blood Banking Technology	
	Advanced Certificate	
	30. Advanced Certificate Programs in Physiotherapy in Neurological sciences	
	31. Advanced Certificate Programs in Physiotherapy in Cardiovascular sciences	

SUMMARY OF THE POST - DOCTORAL COURSES AND QUALIFICATIONS

Course	No. of seats	Duration (Year)	Qualifications
DM Cardiology	6	3	MD/DNB in Gen. Medicine/Paediatrics
DM Neurology	6	3	MD/DNB in Gen. Medicine/Paediatrics/Psychiatry*
DM Neuroimaging & Interventional Neuroradiology	2	3	MD/DNB Radiology/Radiodiagnosis
DM Cardiovascular Imaging and Vascular Interventional Radiology	2	3	MD/DNB Radiology/Radiodiagnosis
DM Cardiothoracic & vascular Anaesthesia	4	3	MD/DNB in Anaesthesia
DM Neuroanaesthesia	3	3	MD/DNB in Anaesthesia
MCh Cardiovascular & thoracic surgery	4	3	MS/DNB in Gen. Surgery
MCh Vascular Surgery	1	3	MS/DNB in Gen. Surgery
MCh Neurosurgery	4	3/5	MS/DNB in Gen. Surgery (for 3 year course)/ MBBS + 1 year experience in General Surgery (for 5 year course)
Post-doctoral Fellowship (Post DM/MCh.):			DM/MCh (3 year) or equivalent qualifications
Cardio Vascular & Thoracic Surgery	1	1	
Neurology	5	1	
Cardiology	3	1	
Neurosurgery	2	1	
PDCC: Cardiothoracic & vascular anaesthesia	2	1	MD/DNB in Anaesthesia
PDCC: Neuroanaesthesia	2	1	MD/DNB in Anaesthesia
PDCC: Diagnostic neuroradiology	1	1	MD/DNB in Diagnostic Radiology
PDCC: Vascular Surgery	1	1	MS/DNB in Gen. Surgery
M.D in Transfusion Medicine	1	3	MBBS

*with 6 months Residency in General Medicine.

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COURSES OFFERED

1. POST-DOCTORAL COURSES

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

- DM - Cardiology, Neurology, Neuroimaging and interventional neuroradiology, Cardiovascular imaging and vascular interventional radiology, Cardiothoracic & vascular anaesthesia, Neuroanaesthesia.
- MCh - Cardiovascular and thoracic surgery, Vascular surgery, Neurosurgery
- PDCC - Post Doctoral Certificate Course—Cardiothoracic and vascular anaesthesia, Neuroanaesthesia, Diagnostic neuroradiology, Vascular Surgery
- MD - Transfusion Medicine
- PDF - Post Doctoral (Post DM/MCh./DNB) Fellowship

MINIMUM EDUCATIONAL QUALIFICATIONS FOR ADMISSION

A. DM COURSES

DM Cardiology and DM Neurology

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

Candidates with MD in Psychiatry from an Indian university recognized by MCI or DNB in Psychiatry with a minimum of six months residency posting in General Medicine during the said course, can also apply for DM Neurology.

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

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

DM Cardiothoracic and Vascular Anaesthesia

MD in Anaesthesia or equivalent from an Indian university recognized by MCI or Diplomate of the National Board (DNB) in Anaesthesia or any equivalent degree recognized by MCI.

DM Neuroanaesthesia

MD in Anaesthesia or equivalent from an Indian university recognized by MCI or Diplomate of the National Board (DNB) in Anaesthesia or any equivalent degree recognized by MCI.

B. MCh. Courses**MCh. Cardiovascular & Thoracic Surgery, Vascular surgery, Neurosurgery**

MS in General Surgery from an Indian university recognized by MCI or Diplomate of the National Board in General Surgery or any equivalent degree recognized by MCI for this purpose from time to time.

MCh. Neurosurgery (5-year course)

MBBS from an Indian university recognized by MCI and one-year post-MBBS residency/Senior housesurgery in General surgery from a university/PG Institute/Teaching Hospital recognized by the MCI for General Surgery post graduate training.

C. Post-doctoral Certificate Courses:**Cardiothoracic & Vascular Anaesthesia, Neuroanaesthesia, Diagnostic Neuroradiology, Vascular Surgery**

MD/MS Degree in Anaesthesia/Radiology/General Surgery, from an Indian university recognized by MCI or DNB in Anaesthesia/Radiology/General Surgery or any equivalent degree recognized by MCI.

D. Post Graduate Program: MD Transfusion Medicine

MBBS or equivalent degree from a recognized university. They should have completed one year of compulsory internship from a medical college of repute.

The candidate should have applied for and obtained registration with Medical Council of India or State Medical Council.

UPPER AGE LIMIT

40 years (as on 1st January 2020), relaxable by 5 years for SC/ST Candidates, sponsored candidates and for qualified Ex-service personnel with a service of not less than 5 years.

METHOD OF SELECTION (Total 100 marks)

1. 1.5 marks for a pass in the MBBS examination in the first attempt
2. 1.5 marks for a pass in the MD/MS/DNB examination in the first attempt

3. 1 mark for gold medal in MBBS
4. 1 mark for gold medal in MD/MS/DNB
5. 40 marks for Theory (Written) Entrance Examination
6. 40 marks for Departmental Clinical/Practical and Viva Voce
7. 15 marks for the Final Interview

Note:

- a. For calculating the marks for eligibility for admission to these courses, 1.5 marks will be given for clearing MBBS in the I attempt, 1.5 marks for clearing MD/MS/DNB in the first attempt, 1 mark for gold medal winners during MBBS course, 1 mark for gold medal winners in MD/MS/DNB. **Candidates with more than two failures will not be called for the entrance examination.**
- b. All candidates called for assessment should appear for a theory examination of 90 minutes duration, carrying 100 multiple choice questions, half of which will be from the Post doctoral specialty applied for and the other half from the qualifying post-graduate speciality. For **DM Neurology** the entrance paper for Medicine and Psychiatry stream will be common with 50 General Medicine and 50 Neurology questions. **OMR will be used for evaluation of answer sheets.**
- c. The minimum pass marks in Theory Examination will be 50%. Candidates scoring less than the minimum prescribed will not be considered.
- d. Out of the candidates who have qualified in 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 evaluation - clinical, practical and viva voce in the respective departments. **The ratio of candidates selected for these will be approximately three candidates for each available vacancy.**
- e. 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 clinical/practical and viva-voce (aggregate of **1 to 6** under method of selection). **The proportion of candidates called for the final interview will be 2.5 times per available seat in each discipline. However three candidates may be shortlisted for the final interview in a program with one seat only.**
- f. 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), wait-listed candidates (in rank order). Selection will be purely on merit, based on the methods of assessment indicated.

g. **For Anaesthesia specialties:**

Candidates can apply for Cardiothoracic and Vascular Anaesthesia specialty or for Neuroanaesthesia specialty. Examinations are different for the two specialties.

The entrance examination is common for both DM and PDCC courses in the same specialty.

- There will be a common application form for both DM and PDCC (DM Cardiothoracic & Vascular Anaesthesia specialty or for Neuroanaesthesia specialty) programs. **A candidate should submit only one application form for a specialty.**
- The candidate has 3 options to apply for the programs:
 1. To apply only for DM programs (Group I).
 2. To apply for both DM and PDCC programs with the aim of joining either of them whichever would be available to him/her based upon ranking in the final examination (Group II).
 3. To apply only for PDCC (Group III).
- **Theory examination will be common for both DM and PDCC.**
- Only those candidates who successfully pass the theory examination will be considered for departmental examination. Candidates equal to 3 times the total number of seats (DM plus PDCC) will be selected for departmental examination. However, maximum number of candidates among them, who apply for group I (DM program only), will not exceed 3 times the number of DM seats.
- Only those candidates who successfully pass the departmental examination will be considered for the final interview. At the end of the departmental examination, all candidates will be rank listed according to the score obtained. Candidates equal to 2.5 times the number of seats (DM plus PDCC) will be selected for final interview. However, maximum number of candidates among them, who are in group I (DM program only), will not exceed 2.5 times the number of DM seats.
- Only those candidates who successfully pass the final interview will be considered for admission counseling. A merit list will be created after final interview & counseling.
- The candidates for DM seats will be selected from group I and group II according to the merit order. However, those candidates from group II, who are included in DM waiting list, can also compete for PDCC seats. They may join the DM program depending upon their merit order if a

DM seat falls vacant at a later date. *A candidate who joins the DM course will not be permitted to change over to PDCC at a later date.*

- The candidates from Group II and Group III will compete for PDCC. Those who are not selected for PDCC will be kept in the PDCC waiting list.

h. For Radiology specialties:

- Candidates can apply either Cardio Vascular Radiology specialty (DM Cardiovascular Imaging and Vascular Interventional Radiology) or for Neuroradiology specialty (DM - Neuroimaging and Interventional Radiology/PDCC-Diagnostic Neuroradiology). **Examinations are different for the two specialties. However, the examination is common for both DM and PDCC courses in Neuroradiology.**
- There will be a common application form for both DM and PDCC programs. A candidate should submit only one application form for the Neuroradiology specialty.
- Theory examination will be common both for DM and PDCC in Neuroradiology specialty.
- Only those candidates who successfully pass the theory examination will be considered for departmental examination. Candidates equal to **3 times** the total number of seats (DM plus PDCC in Neuroradiology and DM Cardiovascular Imaging and Vascular Interventional Radiology separately) will be selected for departmental examination. Only those candidates who successfully pass the departmental examination will be considered for the final interview. At the end of the departmental examination, all candidates will be rank listed according to the score obtained. Candidates equal to 2.5 times the number of seats (DM plus PDCC in Neuroradiology and DM in Cardiovascular Imaging and Vascular Interventional Radiology) (separately for two specialties), will be selected for final interview. Only those candidates who successfully pass the final interview will be considered for merit list and counseling. A common merit list for DM and PDCC will be created in Neuroradiology and for DM in Cardiovascular Imaging and Vascular Interventional Radiology after final interview and for each specialty separately and be called for counseling.
- The candidates for DM and/ or PDCC seats will be selected in each specialty according to the merit order and choice of the candidate in the merit order at the counseling after the final interview. Number of total candidates (DM + PDCC in Neuroradiology specialty and DM in Cardiovascular Imaging and Vascular Interventional Radiology specialty) will be kept in the waiting list for each specialty. In the event of vacancy arising within the stipulated time, for DM/PDCC in

the concerned specialty, waitlisted candidates will be intimated to join in the order of merit and choice of the candidate in accordance with the prevailing institute rules. **A candidate who joins the DM course will not be permitted to change over to PDCC at a later date. However PDCC candidates can opt for DM seat in the event of a vacancy in Neuroradiology within the stipulated time.**

i. **For Vascular Surgery Specialties:**

Candidates can apply for either MCh or PDCC in Vascular Surgery. **The entrance test is common for both MCh and PDCC.** A candidate should submit only one application form. (The examination and selection process are similar to DM/PDCC in Neuroradiology described above).

- j. **The panel of candidates selected for DM/MCh courses will be valid for a period of six months from 1st January of each year. Any vacancy occurring before 1st February will be filled from the waiting list. Any candidate from the waiting list admitted against a vacant seat who fails to join on or before January 31st will be admitted to the course only on 1st July of that year. All candidates shall, however, undergo the period of training prescribed for the course before being permitted to appear for the final examination.** The supplementary entrance exam for DM/MCh candidates will be conducted if 2 or more of the sanctioned seats fall vacant before 31st March of the year for the courses the sanctioned seats is more than two.

Note: (1) One seat in DM Cardiology is normally reserved for candidates with MD in Paediatrics or its equivalent qualification. However, in the absence of suitable candidates, the seat will be filled from candidates with MD in General Medicine. So also, MD Paediatrics candidates may be admitted to general seats if found suitable. Students applying for DM Cardiology, from the Paediatric stream should select the course name as DM Cardiology (Paediatric stream). Candidates applying for DM Neurology from Paediatric stream should select the course name as DM Neurology (Paediatric stream).

(2). **One seat in MCh. Neurosurgery will be reserved for MBBS candidates with one year senior house surgency/residency.** In the absence of suitable candidates, the seat will be filled from the candidates with MS/DNB in General Surgery.

(3) The attempt certificate should be submitted at the time of the entrance examination and if any student is not submitting the attempt certificate, an undertaking may be signed by the candidate stating "He/She has passed the MBBS, MD/DNB/MS examination in the first/second attempt and if found incorrect, his / her admission will be cancelled" and based on the affidavit admission may be given. However the attempt certificate should be submitted in original on or before 31st March. Such students will not get the marks for the first attempt (1.5 marks) as the evidence

for the same is not submitted. Attempt Certificate may be obtained from the College/University/Institute they have studied in case of MBBS and MD/MS and in the case of DNB, the certificate may be obtained from the DNB Board.

E POST-DOCTORAL FELLOWSHIP (PDF)

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

The following PDF positions are available for the academic year beginning January 2020.

(i) Department of Neurology

<i>Subspecialty</i>	<i>Program Supervisor</i>
Electroencephalography (one seat)	Dr. Sanjeev V. Thomas sanjeev@sctimst.ac.in
Epilepsy (one seat)	Dr. Sanjeev V. Thomas sanjeev@sctimst.ac.in
Movement Disorder (two seats)	Dr. Asha Kishore asha@sctimst.ac.in
Neuromuscular Disorders (one seat)	Dr. Sruthi S. Nair sruthisn@sctimst.ac.in
Stroke (one seat)	Dr. P.N. Sylaja sylajapn@sctimst.ac.in

(ii) Department of Cardiology

Adult Cardiology and Interventions (one seat)	Dr. Ajitkumar V.K. ajit@sctimst.ac.in
Cardiac Electrophysiology (one seat)	Dr. Narayanan Namboodiri K.K. kknnamboodiri@sctimst.ac.in
Paediatric Cardiology (one seat)	Dr. Krishnamoorthy K.M.. kmkm@sctimst.ac.in

(iii) Department of Neurosurgery

Cerebrovascular Surgery (one seat) Dr. Mathew Abraham
mathew@sctimst.ac.in

Skull Base Neurosurgery (one seat) Dr. Mathew Abraham
mathew@sctimst.ac.in

(iv) Department of CVTS

Adult Cardiac Surgery / Paediatric Cardiac Surgery (one seat) Dr. Baiju S. Dharan
baijusd@sctimst.ac.in

Minimum Educational Qualification for Admission

(for Post-doctoral Fellowship) :

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

Registration with Central/State Medical Council.

Application to include bio-data and a 500 words write-up on the work/project proposed to be done. Institutional grants are 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 2 reference letters from specialists working in the area of application, one of which should be from the last employer/teacher under whom the candidate worked. The reference letters must be sent in sealed envelopes along with the application

Upper Age Limit

45 years (as on 1st January 2020), relaxable by 5 years for SC/ST Candidates, sponsored candidates and for qualified Ex-service personnel with a service of not less than 5 years.

Method of selection:

Short-listing of the application based on the merit of a 500 words short research project proposal and letters of references. Short listed candidates will be called for an interview for final selection.

SPONSORED CANDIDATES

(for all Programs)

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

Sponsored candidates will have to apply through proper channel and submit a "No Objection Certificate" from their employer along with their application forms. Government orders regarding sponsorship with financial support must be submitted at the time of admission. The decision of the Institute regarding the eligibility of sponsorship shall be final.

All eligible candidates seeking admission (including sponsored) will have to appear in the entrance examination and go through the process of selection as envisaged for all. **Candidates applying under the sponsored category will be considered as "Sponsored" only if they figure in the merit list which includes wait list candidates also.** If sponsored candidate figure in the merit list he/she will be given admission under the sponsored category. No other type of preference will be given to sponsored candidates.

Sponsored candidates are eligible for 7 days Leave-on-duty for attending national conferences/workshop/seminar. They are not eligible for accommodation, HRA, medical reimbursement, travel grant, TA/DA and registration fee for conferences.

The number of sponsored candidates in any course will not exceed 50% of the number of seats in 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.* Selection will be on the basis of their merit in the entrance examination. The candidates need to be sponsored and supported by Government or inter-governmental agencies. 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 foreign students take a medical insurance policy to meet the expenses of medical treatments during course tenure at SCTIMST. A copy of the said insurance policy should be submitted at the time of final admission.

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

Course	Duration	Scale of pay/Stipend
DM & MCh	3 Year	₹74000*
5 year MCh (Neurosurgery)/M.D.(Transfusion Medicine)	5/3 Year	₹61300*
Post-doctoral Certificate Courses	1 year	₹74000*
Post-doctoral Fellowship	1 year	₹80900*
MPhil/Advanced Certificate Programs in Physiotherapy	1 year	₹5,000
Specialty Courses in Nursing	1 st year	₹9,495 #
	2 nd year	₹11,078 #
PG Diploma/Diploma Courses (Technology)	1 st Year	₹7,122 #
	2 nd Year	₹8,704 #

* With applicable HRA, DA & DA on TA as per Institute Rules

Applicable cost of living index as per Institute .

FEES STRUCTURE (in Rupees)

Particulars	Post-doctoral & PG Courses (DM/MCh/PDCC/ PDF & MD)	PhD	MPH	MPhil	DPH	PG Diploma /Diploma & Advanced Certificate Programs
Application fee	₹ 1,500 (₹1200*)	₹1,000 (₹ 800*)	₹ 1,000 (₹800*)	₹ 500 (₹400*)	₹1,000 (₹800*)	₹300 (₹240*)
Admission fee	₹2,000	₹1,000	₹1,000	₹1000	₹1,000	₹500
Tuition Fee	₹ 50,000 (per year)	₹10,000 (per year)	₹1,10,000 (for 2 years-Non-sponsored independent students) ₹2,00,000 (for 2 years-sponsored students) US\$ 6000 (for 2 years-Overseas students)			₹1,000 per year
Course Fee	-	-		₹10,000	₹200,000	-
Caution Deposit	₹10,000	₹10,000	₹10,000	₹ 10,000	₹10,000	₹10,000
Examination Fee: Part-I	₹ 2,000 [#]	-	₹1,000	₹1,000		₹250
Part-II	₹10,000 [#]					
Comprehensive Exam		₹6,000				
Thesis Evaluation Fee		₹ 10,000				
Identity Card	₹220	₹220	₹220	₹ 220	₹220	₹220
Library	₹1,000	₹500	₹500	₹500	₹500	₹200
Student Welfare Fund	₹1,000	₹500	₹500	₹500	₹500	₹200
Certificates	₹1,000	₹1,000	₹1,000	₹500	₹500	₹200
Hostel Fee			₹20,000 per year			

[#] Applicable for DM/MCh only. ^{*} Applicable for SC/ST candidates only.

FEE WILL BE REVISED BY THE INSTITUTE EVERY YEAR.

FEE ONCE PAID WILL NOT BE REFUNDED.

2. SPECIALTY NURSING COURSES

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

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

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

MINIMUM EDUCATIONAL QUALIFICATIONS FOR ADMISSION

- a. GNM or B.Sc. Nursing.
- b. For GNM candidates, one year experience as bedside nurse after passing GNM, as on 31st December, 2019
- c. Professionally registered as a nurse by any recognized State Nursing Council in India or by Nursing Boards approved by the Indian Nursing Council.

Upper age limit

35 years (as on 1st January 2020), 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 Courses

Course	No. of seats	Duration
Diploma in Cardiovascular & Thoracic Nursing	10+1	2 years
Diploma in Neuro Nursing	10+1	2 years

Reservation

Reservation will be followed as per Government of India policy

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

reservation will be rotated between these two courses in consecutive years

Method of Selection

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

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

The minimum pass marks in the objective-type written examination (90 minutes duration: 100 questions) will be 50% for all. Candidates who have qualified in the written examination will be short-listed for practical on the same day. Interview will be held on the next day.

Uniform for Specialty Nursing program

Female : White Churidhar set
Male : Black pants, white shirt
White half sleeve overcoat for all

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

Note: See "Special Information" (Page 22)

3. PG DIPLOMA/ DIPLOMA PROGRAMS

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 trainees will be attached to the Departments of Cardiology and Clinical Engineering.

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 hand on experience in video-EEG monitoring, intra operative electro-corticography and stimulation and brain mapping. They will be exposed to other Neurophysiological like EMC,NCV, Evoked potentials, sleep studies, Emergent EEGs. The trainees will be attached to the Departments of Neurology and Clinical Engineering.

PG Diploma in Medical Records Science

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

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

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. Mechanical action of heart is temporarily stopped. The Perfusionist is also responsible for hypothermia, total circulatory arrest etc. The patient is warmed back and weaned off the Heart Lung Machine. Student Perfusionist is required to work in the operation theatre and has to follow aseptic techniques. He/She will be given clinical and theoretical training in the set up and operation of Heart Lung Machine, perfusion management, and support devices such as Intra-Aortic Balloon Pump etc. The trainees will be attached to the Department of CVTS.

PG Diploma in Blood Banking Technology

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

Diploma in Operation Theatre Technology

A variety of electrical and electronic equipment are in use in modern operation theatres for monitoring anaesthesia and for surgical purposes. The safety of patients depends largely on the reliable and smooth functioning of these equipment. The course is designed to train candidates in the operation and maintenance of theatre equipment and hospital pipeline systems. The trainees will be attached to the Department of Anaesthesia and Clinical Engineering.

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 paucity 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 trainees will be attached to the Departments of Imaging Sciences and Interventional Radiology and Clinical Engineering.

Advanced Certificate Programs in Physiotherapy

With the health sector fast expanding, graduates in Physiotherapy with quality training are in great need. The 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 now 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 to candidates to get competence in managing different neurologic and cardiovascular diseases, ward activities, in research and training in the use of newer 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)

MINIMUM EDUCATIONAL QUALIFICATIONS FOR ADMISSION

PG Diploma in Cardiac Laboratory Technology

B.Sc. degree of any recognized university in India with Physics as major or ancillary subject with aggregate marks of at least 60%.

PG Diploma in Neuro Technology (PGDNT)

B.Sc. Physics, Chemistry, Biological Sciences, Bio-Technology or Computer Science with aggregate marks of atleast 60%.

PG Diploma in Medical Records Science (PGDMRS)

B.Sc. degree of any recognized university in India with aggregate marks of atleast 60%.

PG Diploma in Clinical Perfusion (PGDCP)

B.Sc. degree in Zoology as main or subsidiary subject of any recognized university in India. An aggregate of at least 60% marks is required.

PG Diploma in Blood Banking Technology (PGDBT)

B.Sc. in any branch of Biological Science from a recognized university with an aggregate of at least 60% marks in these subjects.

Diploma in Operation Theatre Technology (DOTT)

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 qualification from a recognized institution with aggregate marks of at least 60%.

Advanced Certificate Programs in Physiotherapy

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

Upper Age Limit

25 years (as on 1st January 2020) relaxable by 5 years for SC/ST and sponsored candidates, 3 years for OBC candidates.

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

Course	Open seats	Reserved for				Total
		SC / ST	OBC	EWS	PwD (horizontal reservation)	
ACP - PN	1	0	1*	1#	1#	2+1
ACP - PC	1	1*	0	1#	-	2+1
DAMIT	2	0	1*	-	-	3
DOTT	1	1*	0			2
PGDBBT	1	0	1*	-	-	2
PGDCLT	2	1*	0	-	-	3
PGDCP	1	0	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 rotational basis between the courses.

Method of Selection

Selection will be strictly on merit on the basis of percentage of marks obtained in the entrance examination (written and viva-voce held at the Institute). Sponsored candidates will also go through the procedure for selection but a separate list of finally selected candidates from those who qualify in the entrance examination will be put up.

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

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

Candidates belonging to Scheduled Caste/Scheduled Tribe need secure only 50% in the qualifying examinations.

Note: See " Special Information" on Page 22

For Application procedures and important dates See Page 46-47.

Summary of PG Diploma/ Diploma Courses

Course Available	Seats	Duration (Years)	Qualification
Cardiac Laboratory Technology (PG Diploma)	3	2	B.Sc.with Physics as major or ancillary 60% aggregate
Neuro Technology (PG Diploma)	4	2	BSc Physics, Chemistry, Biological Sciences, Bio Technology or Computer Science 60% aggregate
Medical Records Science (PG Diploma)	2	2	BSc with 60% aggregate
Clinical Perfusion (PG Diploma)	2	2	BSc Zoology as main or subsidiary, 60% Aggregate
Blood Banking Technology (PG Diploma)	2	2	BSc in any branch of Biological Science, 60% aggregate
Operation Theatre Technology (Diploma)	2	2	Diploma in Electronics/ Biomedical Engineering / Instrumentation

Advanced Medical Imaging Technology (Diploma)	3	2	CRA/DRT 2 year course or equivalent 60% aggregate
Diploma in Public Health	10	1	MBBS degree with three years of work experience and sponsored by government agencies.

Advanced Certificate Programs in Physiotherapy

Course Available	Seats	Duration (Years)	Qualification
Advanced Certificate Program in Physiotherapy Neurological Sciences	2	1	Four-year Bachelor's degree in Physiotherapy from a recognized university.
Advanced Certificate Program in Physiotherapy Cardiovascular Sciences	2	1	Four-year Bachelor's degree in Physiotherapy from a recognized university.

SPECIAL INFORMATION

Hostel accommodation

Candidates selected will be provided accommodation as per rules and availability. **It is mandatory for Senior Residents/PDF/MD 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 eligible accommodation has been allotted to them, irrespective of whether they occupy the allotted accommodation or not. Electricity and Water charges may be levied proportionally from the inmates if they are in single/double/sharing/Family accommodation.

Course Content

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

BOND TO BE EXECUTED

Doctoral/Post-Doctoral Residents (MD, DM/MCh, PDE, PDCC,etc.) are expected to execute a bond to remit an amount of ₹ 50,00,000 (Rupees Fifty Lakhs) to the institute, if the residents decide to leave the course from the very next day or afterwards after joining the program.

All newly enrolled *Diploma/PG Diploma/Certificate students* are expected to execute a bond to remit an amount equivalent to six months stipend if they discontinue the course and leave the Institute **after 31st January 2020.**

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 course. 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 course is strictly prohibited.

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, 2020.** 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.

Evaluation

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

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

Conference/Paper submission for publication by DM/MCh Sr. Residents

During the tenure, DM/M.Ch Senior Residents are required to present one paper/poster in a regional, national or international conference and submit one scientific paper for publication as first author in an indexed journal. Please refer the syllabus and curriculum for details regarding other mandatory requirements.

Contact for further details:

THE REGISTRAR

Sree Chitra Tirunal Institute for Medical Sciences and Technology

Trivandrum -695011, Kerala, India.

Telephone: 91-471-2524150, 2524269

Fax: 91-471-2550728

e-mail: reg@sctimst.ac.in

Website: www.sctimst.ac.in

PhD PROGRAM

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

Physical Sciences

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

Chemical Sciences

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

Biological Sciences

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

Bioengineering

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

Biomaterial Science and Technology

Bioceramics, Dental Materials, Material Tissue Interactions, Drug Delivery & Sensing, Biomedical Polymers, Scaffolds for Tissue Engineering.

Health Sciences (Full Time & Part Time)

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

Medical Sciences

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

Admission

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

Part time registration for the PhD program is available in Health Sciences at AMCHSS. External or part time registration is not available for the PhD programs in other areas.

MINIMUM EDUCATIONAL QUALIFICATIONS FOR ADMISSION

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

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

Biological Sciences: Post graduate degree in any branch of Life Sciences (Physiology, Biochemistry, Biotechnology, Zoology, etc.) / dentistry. Students with post graduate degrees in Plant sciences, Botany or Bioinformatics need not apply.

Bioengineering: Post graduate degree in Polymer Engineering/Technology, Material Science, Biomedical Engineering, Instrumentation Engineering, Biotechnology, Clinical Engineering, Biomedical Engineering, Electronics and Communication Engineering, Electrical & Electronics Engineering, Computer Science or Information Technology.

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

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

Minimum marks required to apply:

Consistently good academic record with 60% (CGPA 6.5/10) marks in undergraduate and post graduate degree examinations.

Medical Sciences: MBBS degree from any university recognized by Medical Council of India (MCI). Candidates should have completed one year compulsory rotating internship or its equivalent as recognized by MCI after passing the final year MBBS examination. Candidates should have full registration with a State Medical Council. Candidates with Post Graduate Medical qualifications can also apply but no special reservation or preference will be given. Applicants should have 55% of marks in MBBS Degree and need to be holders of National Level fellowship from UGC/CSIR/ICMR. Candidates should not have more than 2 attempts in MBBS program. Available areas in Medical Sciences:

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

Method of selection

The selection of research scholars will be based on the 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 written test, and their selection will be on the basis of 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 short list candidates based on the academic merit and scientific records of the applicants and availability of research guides every year.

The list of approved guides and their areas of research interest is available at: https://sctimst.ac.in/Academic%20and%20Research/Academic/Guidelines,%20Manuals,%20Forms/resources/PhD_Guides_with_Area_of_Speciality_2019.pdf.

Appointment of external guides for in-service employees

- 1) Any academic faculty of BMT Wing whose probation has declared may register for PhD program of the institute with an external guide from an IIT or NIT or other national Institutes, provided eligible guides are absent in the BMT Wing in the field of research.
- 2) These employees may select guides from the above institutes and the list of guides has to be approved by the academic committee of SCTIMST.
- 3) These employees are exempted from writing the written entrance examination conducted by SCTIMST.
- 4) 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.
- 5) These faculties should also have an approved guide of SCTIMST as co-guide to monitor the progress of the work.
- 6) 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 qualify for PhD registration.

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.

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.

Fellowship

One fellowship each is available for a maximum period of five years for reserved candidates belonging to SC and ST category, subjected to availability of funds from Government of India.

PhD Manual

For all details, please refer 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/>)

or contact:

The Deputy Registrar

Division of Academic Affairs

Sree Chitra Tirunal Institute for Medical Sciences and Technology

Trivandrum - 695011, Kerala, India.

Telephone: 91-471-
2524140/269/649/289

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

Website: www.sctimst.ac.in

ACHUTHA MENON CENTRE FOR HEALTH SCIENCE STUDIES (AMCHSS)

AMCHSS, the Public Health and Health Sciences Wing of Sree Chitra Tirunal Institute for Medical Sciences and Technology is devoted to Public Health, and Social Sciences in relation to health care and development. It started the Master of Public Health (MPH) Program in January 1997, PhD Program in 2003 and Diploma in Public Health (DPH) in 2005. Central to its mission are: 1) Educating students to assume leadership roles in public health policy and practice; 2) Advancing knowledge of the social, biological, economic and behavioral dimensions of health and to perform costing, cost-efficiency, and epidemiological studies and policy analysis; and 3) To provide technical expertise and consultancy service on public health issues to the public, NGO and the private sector. The Ministry of Health and Family Welfare, Govt. of India has accepted this Centre as a "Centre of Excellence for Public Health Training".

1. MASTER OF PUBLIC HEALTH (MPH)

The objectives of the Master of Public Health course are:

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

Duration

The program is a 24-month full time residential course commencing on the **1st 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), B.Tech or BE (Any Branch) and graduates of four-year degree programs in Veterinary/Nursing sciences, Bachelor of Physiotherapy, Bachelor of Occupational Therapy, Bachelor of Pharmacy, or students with a postgraduate degree in Statistics/Biostatistics, Demography, Population Studies, Nutrition, Sociology, Economics, Psychology, Anthropology, Social Work, Management or Law." Work experience in a health-related field is desirable.

Age: 40 years as on **1st July 2020**.

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 on the basis of educational qualifications, professional experience, relevant to the field of public health, written test and interview. Overseas candidates have to provide certification for proficiency in English.

Overseas students

Selection will be based on educational qualifications, professional experience, assessments made by the sponsoring organizations and a telephonic interview. Applicants are required to submit two reference letters in sealed envelopes from experts working in the field of Public Health along with the application form.

Fee Structure (please see fee structure in page 14): The course fee includes registration fee, examination fee, tuition fee, library fee and charges for computer lab.

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

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

2. DIPLOMA IN PUBLIC HEALTH (DPH)

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

Duration : 1 Year (July 2020 to June 2021)

Minimum Experience required: 3 years in Government service after MBBS

Age Limit: Up to 50 years as on 01-07-2020

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

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

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

Medium of Instruction: English

Fee Structure: (please see fee structure in page 14). The course fee includes registration fee, examination fee, tuition fee, charges for computer lab and does not include the cost of books, stationery, field trips, project work and so on.

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

COMMON FACILITIES FOR MPH & DPH STUDENTS

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

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

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

3. PhD in Health Sciences (full time and part time)

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

Please refer PhD pro

gram Section (Page No.24 to 27)

For further enquiries, please contact:

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

BIOMEDICAL TECHNOLOGY (BMT) WING

Objectives

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

The present vision of the wing is to:

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

A team of scientists, engineers and technical staff work here in multidisciplinary areas, ranging from biomaterials development and characterization to medical devices development, evaluation and technology transfer. Over the last three decades, a number of products have been successfully developed and commercialized, catalyzing the growth of 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 Francaisd'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 in the campus underpins biomedical research and enables advances to improve the 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 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 culture and differentiation of adult stem cells for regenerative medicine, *in*

vitro tissue engineering, development of bio therapeutics and diagnostic reagents.

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

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

The well maintained small and large animal experimental facility with excellent animal operating rooms provides the *in vivo* evaluation support. Toxicological evaluation of materials is done under GLP compliance. Tissue analysis is done to evaluate the results of experimental research using state-of -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.

MPhil DEGREE COURSE IN BIOMEDICAL TECHNOLOGY

(A full time residential course of 12 months duration from August to July every year)

(Admission for MPhil course will be notified during the *first week of May/June every year*.)

Aspirants may visit www.sctimst.ac.in for details in May)

Objectives of this high quality academic and research training are :

1. Provide an excellent background in biomedical research with integration of chemical, biological and physiological aspects in a unified approach.
2. Emphasize an investigative as well as an empirical approach to the practical problems encountered in experimental and human biomedical science.
3. Training on research methodology which includes development of research hypothesis, work plan, experimental methods, data analysis and reproducibility and finally report preparation.
4. Impart theoretical and practical knowledge and competence that will prepare the student for employment in a variety of biomedical environments.
5. Improve communication skill through oral and poster presentations.

Expected Outcome :

1. The set of lecture and laboratory training courses are designed to strengthen their basic science background at the graduate level.
2. The experience gained will help in developing and focusing research skills in modern biomedical research laboratories.
3. Students will be encouraged to write competitive examinations conducted by various government agencies to obtain fellowships for pursuing a PhD program within the Institute or outside.
4. Students will gain awareness to determine if he or she really wants to make the commitment and pursue a lifelong research career.

Total Number of Seats

15 seats - Reservation will be followed as per Govt. of India norms.

Course	Open seats	Reserved for					Total
		SC	ST	OBC	EWS	PwD (horizontal reservation)	
MPhil	8	2	1	4	2	1	15+2

Minimum Educational Qualifications for Admission :

Post graduate (MSc / MS / MTech / ME, etc.) in Biological/Chemical/Physical Sciences (including Polymer Sciences/Chemistry but excluding Plant Sciences and Bioinformatics) with minimum of 60% marks (or equivalent CGPA)

Upper age limit : 28 years as on 1st August every year.

Method of selection :

1. The course is notified and the applications are called for in the prescribed format.
2. Applications received with all required enclosures are screened by an authorized committee of this Institute.
3. The selection will be based on the performance in written test and interview. The candidates who fulfil the minimum educational qualifications will be admitted for written test.
4. Those who qualify the written test will be called for interview.
5. Based on the performance in the interview, a panel of students are selected and waiting list will be prepared for admission.
6. Verification of the original certificates against the submitted copies will be done at the time of admission.

Stipend and contingency:

₹.5,000 per month (In case, the student discontinues the course after 30th August, 2020, the student has to pay the penalty of six months stipend).

Accommodation :

To find accommodation outside the campus 15% of the stipend will be provided *in case of shortage of accommodation in student's hostel.*

Library: A collection of various books in different disciplines are available.

Facility for use of internet is also available at the library.

Conference: It is mandatory to attend one conference during the MPhil tenure.

Fee Structure: (Please see fee structure table in page 14).

For further enquiries, please contact:

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

ANTI RAGGING AFFIDAVIT

*Ragging in all its forms is prohibited in the Institute.
All candidates admitted will have to submit an anti ragging affidavit.*

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. In order 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 a 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 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, TE, XE) and score.

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

(2) PhD (Biomedical Devices and Technology)

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

Duration: According to current requirements of IIT Madras

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

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

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

Stipend: As per IIT Madras norms.

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

A) FEES FOR THE JOINT PROGRAM- M.Tech (CE) AT SCTIMST

Sl. No	Items of Fees & Deposits	Fees (In Rupees)
A.	One time fees	
1.	Admission fees	1000
2.	Registration Enrolment Fee	300
3.	Caution Deposit (refundable)	10,000
4.	Certificate fees	1000
5.	Student Welfare Fund	500
6.	Identity Card	220
7.	Medical Exam Fee	100
	Total	13120
	Refundable	10000
B.	Semester fees	
1.	Tuition fee *	5000
2.	Examination fee	300
3.	Library & Internet	500
	Total	5800
C.	Hostel Fees	
1.	Hostel Admission fee	250
2.	Hostel room rent (1500 x6)	9000
3.	Hostel Caution Deposit (refundable)	1000
	Total	10250
	Refundable	1000

* 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 of the regular PhD program of SCTIMST for the period required at BMT Wing (please see the fee structure in page 14).

CO-ORDINATORS:

SCTIMST: Er. C.V. Muraleedharan
Scientist - G. (Senior Grade), Department of Medical
Devices Engineering, SCTIMST, Poojappura, Trivandrum
-695 012. Kerala State. Tel: 0471-2520259
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IIT Madras: Prof. N. Manoj
Department of Biotechnology,
IIT Madras
Chennai-600036, Tamil Nadu State
Tel: 044-22574113
Email: nmanoj@iitm.ac.in

CMC Vellore: Prof. Suresh Devasahayam,
Head, Department of Bioengineering
Bagayam
Vellore-632002
Tel: 0416-2222102 Extn.4298
E-mail: surdev@cmcvellore.ac.in

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

For further enquiries please contact:

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

AFFILIATED PROGRAMS OF SCTIMST CONDUCTED AT

1) NATIONAL INSTITUTE OF EPIDEMIOLOGY, CHENNAI

Program: Master of Public Health (Epidemiology and Health Systems)

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 Master of Public Health (Epidemiology and Health Systems) under the affiliated program of SCTIMST. Course commences from 1st July every year. The duration of the course is 2 years. The program is structured on "learning by doing" model comprising of 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 years experience in public health related activities after MBBS
- Age up to 45 years as on the date of commencement of the course
(1st July every year)

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

For other 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
- c) Master of Public Health

Eligibility:

a). MS Bioengineering applicants should have:

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

b) PhD in

• Bioengineering applicants should have:

- i. An undergraduate degree in engineering, preferably electrical, electronics, mechanical, computer Science or equivalent, and a Masters degree in Engineering preferably Bioengineering, Biomedical Engineering, Electrical, Electronics, Mechanical or equivalent.
- ii. A qualifying GATE score is required.

iii. Some exposure to college level Biology or Biomedical Research.

• PhD in Biomedical Sciences applicants should have:

MSc Life Sciences (excluding Botany and Bioinformatics), MSc Physiology, Biochemistry, Biotechnology, Zoology or any other branch of life sciences.

Admissions:

Application to these two 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 – 2 years

PhD in Bioengineering / Biomedical sciences – Normally 3 years, extendable up to 5 years.

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

c) . Master of Public Health

Who can apply: Medical graduates (MBBS), Dental graduates (BDS), Graduates of AYUSH (BAMS, BNYS, BUMS, BSMS, BHMS), B.Tech 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.

Duration: 2 years

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

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

For admission and further details, please contact :

<p>Prof. Suresh Devasahayam Head, Department of Bioengineering (for MS & PhD in Bioengineering) Bagayam, Vellore-632002 E-mail: surdev@cmcvellore.ac.in Tel: 0416-2222102 Extn.4298</p>	<p>Prof. Vinod Abraham Head, Dept. Community Health Christian Medical College, Vellore (for MPH program) E-mail: chad@cmcvellore.ac.in</p>
<p>The Deputy Registrar Division of Academic Affairs Sree Chitra Tirunal Institute for Medical Sciences and Technology Trivandrum - 695011 Tel: (0471) 2520440 , 2524140 E-mail: dreg@sctimst.ac.in</p>	

3) INDIAN INSTITUTE OF PUBLIC HEALTH- DELHI

- Programs:**
- a) Master of Public Health (MPH)
 - b) PhD in Health Sciences

The Indian Institute of Public Health Delhi (IIPHD), an institute established by Public Health Foundation of India (PHFI) is offering **Master of Public Health (MPH)** and **PhD (Health Sciences, Full time)** under the affiliated programs of SCTIMST.

a) Master of Public Health (MPH)

The program is structured on 'competency based curriculum' comprising of four semesters of six months each interspersed with a 2 month mandatory internship at the end of 3rd semester and a dissertation in the final semester. The

course will commence from 1st July every year.

Eligibility:

Applicants with following qualifications will be eligible to apply:

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

Age: 40 years as on **1st July 2020**.

Age relaxation can be given in exceptional cases.

Method of Selection: Please refer the information brochure of IIPH, Delhi. *Selection Test will be held in IIPHD, Gurgaon.*

II. PhD (Full time) in Health Sciences

At present PHFI focused in the following areas through interdisciplinary research under the affiliated programs of SCTIMST:

- Epidemiology
- Health Economics
- Health Systems (with focus on reproductive & child health and Nutrition)

Course Organization, Duration, Admission and Method of selection :

As per the criteria mentioned for PhD program of SCTIMST above.

Fees: please refer the website of IIPH, Delhi.

For further Details, please visit the website www.phfi.org or contact:

Prof. Sanjay Zodpey

Vice President - Academics,
Public Health Foundation of
India, New Delhi Director -
Indian Institute of Public Health,
Delhi Plot No. 47, Sector 44,
Gurgaon 122002, Haryana, India.
Phone: +91 124 4722900, 4781400
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Website: www.phfi.org

Ms. Anjali Singh

Indian Institute of Public Health Delhi
Plot No 47, Sector - 44, Gurgaon - 122002,
Haryana, India.
Phone: +91 124 4722900, 4781400
Email: anjali.singh@iiphd.org
Website: www.phfi.org

Deputy Registrar

Division of Academic Affairs

Sree Chitra Tirunal Institute of Medical Sciences and Technology

Thiruvananthapuram-695011, Kerala.

Phone: +91 471 2524140

Fax: + 01-471-2446443

Email: dreg@sctimst.ac.in, Website: www.sctimst.ac.in

APPLICATION PROCEDURE

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

All bank charges to be borne by the applicant.

Application Fee (In Rupees)

Post-graduate & Post-doctoral courses including PDF	:	₹1500 (₹1200 for SC/ST candidates)
PhD/MPH/DPH/MD	:	₹1000 (₹800 for SC/ST candidates)
MPhil	:	₹ 500 (₹400 for SC/ST candidates)
Diploma/PG Diploma/Advanced certificate courses	:	₹300 (₹240 for SC/ST candidates)

Hard copy of the duly signed online generated application form along with self-attested copies of the certificates proving age, essential qualifications, attempt certificates, proof of gold medal, 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 entrance examination/Clinical, Practical and viva voce/ Interview.

INSTRUCTIONS

1. Read the instruction available in the website before filling the application form.
2. Fill up the Application Form on-line 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 online application and to be produced at the time of entrance examination/Clinical, Practical and viva voce/ Interview.
4. No intimation will be sent to candidates not called for 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.

Check list 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 EWS category are required producing EWS certificate issued by a competent authority in the prescribed format given in the annexure.
5. "No Objection Certificate" in case employed Certificates to prove academic qualifications and achievements
6. Attempt certificates and Gold medal certificate of MBBS/MD/MS/DNB Examinations issued by **University/National Board of Examinations/ the Principal/Head of the college/Institute where the candidate completed the course, as applicable.**
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. (applicable only for postdoctoral courses including MD Transfusion Medicine)

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

HALL TICKET/CALL LETTER

Candidates eligible for the entrance examination can download the Hall Ticket/ Call letter ten days prior to the scheduled date for entrance examination from our website www.sctimst.ac.in.

VENUE FOR ENTRANCE EXAMINATION

**Achutha Menon Centre for Health Sciences (AMCHSS)
SCTIMST, Medical College (PO), Thiruvananthapuram-11, Kerala.**

**IMPORTANT DATES OF ADMISSION
FOR THE ACADEMIC SESSION - JANUARY 2020**

Admission Notification	2 nd September 2019
Availability of online Application	02.09.2019 to 05.10.2019 (upto 5.00 pm)
Hall ticket download	Ten days prior to the entrance examination
Commencement of courses	1 st January 2020
Director's welcome address	4 th January 2020

SCHEDULE OF ENTRANCE EXAMINATIONS/FINAL INTERVIEW

<i>Course</i>	<i>Date</i>	<i>Time</i>	<i>Mode of Selection</i>
PG Diploma in Blood Banking Technology	04.11.2019	09.00 am	Written
		11.00 am	Interview
PG Diploma in Cardiac Laboratory Technology PG Diploma in Clinical Perfusion Diploma in Operation Theatre Technology Diploma in Advanced Medical Imaging Technology	05.11.2019	09.00 am	Written
		11.00 am	Interview
PG Diploma in Neuro Technology Advanced Certificate Program in Physiotherapy	06.11.2019	9.00 am	Written
		11.00 am	Interview
Diploma in Cardiovascular & Thoracic Nursing / Diploma in Neuro Nursing	06.11.2019	9.00 am	Written
		2.30 pm	Practical (OSCE)
PG Diploma in Medical Records Science	07.11.2019	9.00 am	Interview
		2.00 pm	Written
PhD	13.11.2019	09.00 am	Written
	14.11.2019	09.00 am	Interview
DM Cardiology, DM Neurology, DM Neuroimaging & Interventional Neuroradiology, DM Cardiovascular Imaging and Vascular Interventional Radiology	18.11.2019	09.00 am	Written/Clinical
	19.11.2019	08.00 am	Interview

DM Neuroanaesthesia, DM Cardiothoracic and Vascular Anaesthesia, MCh-CVTS, MCh Vascular Surgery, MCh Neurosurgery, MCh Neurosurgery (5-year course), PDCC Cardiothoracic and Vascular Anaesthesia, PDCC Neuroanaesthesia, PDCC Vascular Surgery	18.11.2019	11.30 am	Written/Clinical
	19.11.2019	08.00 am	Interview
MD Transfusion Medicine	18.11.2019	09.00 am	Written/Clinical
	19.11.2019	08.00 am	Interview
Post-doctoral fellowship (Post-DM/MCh)	21.12.2019	09.00 am	Interview

No electronic gadgets including cell phones will be allowed in the examination hall.

All candidates who are present for the written examination should confirm the time and date of practicals / departmental assessment and interview as applicable for their program.

INTERVIEW (for candidates selected in Written Test & Practical)

Time and Venue will be intimated along with the Selection List of candidates put up after the Written Examination.

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

Definition of categories:

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

Other Backward Class-Non Creamy Layer (OBC-NCL) Candidates:

Under the OBC-NCL category, only castes 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 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 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 remain vacant under ST category shall be allotted to SC candidates. Seats remaining vacant under the SC/ST categories shall not be filled by candidates belonging to any other category.

Persons with Disabilities (PwD) Candidates:

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

Economically Weaker Sections (EWS) Candidates:

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

IMPORTANT CONTACT ADDRESSES

<i>Designation</i>	<i>Name</i>	<i>Telephone No.</i>	<i>email-ID</i>
Director	Dr. Asha Kishore	91-471 - 2524400	director@sctimst.ac.in
Head BMT Wing	Dr. Harikrishna Varma P.R.	91-471 - 2520201	headbmtw@sctimst.ac.in
Dean (Academic Affairs)	Dr. Sankara Sarma P.	91-471 - 2524500	dean@sctimst.ac.in
Head AMCHSS	Dr. Sankara Sarma P.	91-471 - 2524232	sarma@sctimst.ac.in
Associate Dean (PhD Program)	Dr. Roy Joseph	91-471 - 2520275	rjoseph@sctimst.ac.in
Associate Dean (Research & Publication Cell)	Dr. Kesavadas C.	91-471 - 2524220	kesav@sctimst.ac.in
Associate Dean (Faculty & student affairs)	Dr. Prasanta Kumar Dash	91-471 - 2524568	dash@sctimst.ac.in
Associate Dean (Health Science Studies)	Dr. Biju Soman	91-471 - 2524230	bijusoman@sctimst.ac.in
Associate Dean (Curriculum & Examinations)	Dr. Thomas Koshy	91-471 - 2524641	koshy@sctimst.ac.in
Registrar		91-471 - 2524150	reg@sctimst.ac.in
Deputy Registrar	Dr. Santhosh Kumar B.	91-471-2520360/ 91-471 - 2524140	dreg@sctimst.ac.in
Asst. Administrative Officer (Academic)	Ms. Jeeva K.H.	91-471 - 2524269	regoffice@sctimst.ac.in

HEADS OF DEPARTMENTS/DIVISIONS

Dept/Divn	Head	Telephone No.	email-ID
AMCHSS*	Dr. Sankara Sarma P.	91-471-2524240	sarma@sctimst.ac.in
HOSPITAL WING			
Anaesthesiology	Dr. Thomas Koshy	91-471-2524641	koshy@sctimst.ac.in
Biochemistry	Dr. Srinivas G.	91-471-2524689	srinivasg@sctimst.ac.in
Division of Clinical Engineering	Mr. Shaj Upendran	91-471-2524123	shaj@sctimst.ac.in
Cardiology	Dr. Sivasankaran S.	91-471-2524357	siva@sctimst.ac.in
Cardiovascular & Thoracic Surgery	Dr. Baiju S. Dharan	91-471-2524648	bajjusd@sctimst.ac.in
Cellular & Molecular Cardiology	Dr. Shivakumar K.	91-471-2524593	shivak@sctimst.ac.in
Transfusion Medicine	Dr. Debashish Gupta	91-471-2524476	dgupta@sctimst.ac.in
Microbiology	Dr. Kavita Raja	91-471-2524222	kavita_raja@sctimst.ac.in
Neurology	Dr. Sanjeev V. Thomas	91-471-2524450	sanjeev@sctimst.ac.in
Neurosurgery	Dr. Mathew Abraham	91-471-2524647	mathew@sctimst.ac.in
Nursing Education	Ms. Suja Raj L.	91-471-2524416	ins@sctimst.ac.in
Pathology	Dr. Deepti. A. N.	91-471-2524605	akkihebbal@sctimst.ac.in
Imaging Sciences and Interventional Radiology	Dr. Kesavadas C.	91-471-2524220	kesav@sctimst.ac.in
Medical Records	Mr. Sivaprasad R.	91-471-2524415	smro@sctimst.ac.in

BIOMEDICAL TECHNOLOGY (BMT) WING			
BMT WING Head	Dr. Harikrishna Varma P. R.	91-471-2520201	varma@sctimst.ac.in
Department of Applied Biology	Dr. Maya Nandakumar A.	0471-2520260/250	anmaya@sctimst.ac.in
Dept. of Biomaterials Sciences & Technology	Dr. Manoj Komath	0471-2520320	manoj@sctimst.ac.in
Dept. of Medical Devices Engineering	Dr. Roy Joseph	91-471-2520259	rjoseph@sctimst.ac.in
Dept. of Technology & Quality Management	Er. Balram S.	91-471-2520217	balrams@sctimst.ac.in
Artificial Internal Organs	Er. Muraleedharan C.V.	0471-2520259	muralicv@sctimst.ac.in
Bioceramics Laboratory	Dr. Manoj Komath	0471-2520320	manoj@sctimst.ac.in
Div. of Biophotonics and imaging	Dr. Jayasree R.S.	0471-2520273	jayasree@sctimst.ac.in
Div. of Biosurface Technology	Dr. Rekha M. R.	0471-2520214	rekhamr@sctimst.ac.in
Calibration cell	Er. Leena Joseph	0471-2520279	leenaj@sctimst.ac.in
Div. of Dental Products	Dr. Lizymol P.P.	0471-2520221	lizymol@sctimst.ac.in
Experimental Pathology	Dr. Anilkumar T.V.	0471-2520305	tvankumar@sctimst.ac.in
Div. of Extracorporeal Devices	Er. Nagesh D.S.	0471-2520217	nagesh@sctimst.ac.in
Implant Biology	Dr. Sabareeswaran A.	0471-2520311	asw@sctimst.ac.in
In-vivo Models and Testing	Dr. Umashankar P.R.	0471-2520226	umashnkr@sctimst.ac.in
Laboratory Animal Science	Dr. Harikrishnan V.S.	0471-2520227	harikrishnan@sctimst.ac.in
Medical Instrumentation	Er. Muraleedharan C.V.	0471-2524259	muralicv@sctimst.ac.in
Microbial Technology	Dr. Maya Nandakumar A.	0471-2520260/250	anmaya@sctimst.ac.in
Division of Molecular Medicine	Dr. Anoop Kumar T.	0471-2520256/257	anoop@sctimst.ac.in

Central Analytical Facility	Dr. Roy Joseph	0471-2520275	rjoseph@sctimst.ac.in
Div. of Polymeric Medical Devices	Dr. Ramesh P. Dr. Roy Joseph	0471-2520225 0471-225/265/275	rameshp@sctimst.ac .in
Precision Fabrication Facility	Er. Ramesh Babu V.	0471-2520245	ramesh@sctimst.ac.in
Sleep Disorder section	Dr. Kamalesh K Gulia	0471-2520450	kkgulia@sctimst.ac.in
Technology Business /Ti Med	Er. Balram	0471-2520308	balrams@sctimst.ac.in
Thrombosis Research Unit	Dr. Anugya Bhatt	0471-2520219	anugyabhatt@sctimst.ac.in
Tissue Culture	Dr. Anil Kumar P R	0471-2520261	anilkumarpr@sctimst.ac.in
Tissue Engg. & Regenerative Technologies	Dr.Prabha D Nair	0471-2520242	prabha@sctimst.ac.in
Toxicology	Dr.Mohanan P V	0471-2520266	mohanpv@sctimst.ac.in
Transmission Electron Microscope	Dr.Manoj Komath	0471-2520220	manoj@sctimst.ac.in

STUDENTS GRIEVANCE REDRESSAL COMMITTEE

1.	Dr. Shrinivas V.G.	Professor, Anaesthesiology	Chairman
2.	Dr. Narayanan Namboodiri K.K.	Professor, Cardiology	Member
3.	Dr. Krishnakumar K.	Professor, Neurosurgery	Member
4.	Dr. Anoop Kumar T.	Scientist - G., BMT Wing	Member
5.	Dr. Rakhil Gaitonde	Professor, AMCHSS	Member
6.	Dr. Ravi Prasad Varma P.	Associate Professor, AMCHSS	Member
7.	Ms. Suja Raj L.	Lecturer in Nursing	Member
8.	Ms. Deepthy Chandran A.	Student member	SC representative
9.	A student representing the Wing where the grievance has occurred to be nominated by the Dean / Director	-	Special invitee

STUDENT RESERVATION CELL

1.	Dr. Prasanta Kumar Dash	Professor, Anaesthesiology	Liaison Officer
2.	Dr. Ravi Prasad Varma P.	Assoc. Professor, AMCHSS	Nodal officer for scholarships to student's in the Institute - Member
3.	Dr. Roy Joseph	Scientist G, BMT Wing	Member
4.	Dr. Biju Soman	Professor, AMCHSS	Member

5.	Dr. Unnikrishnan K.P.	Professor, Dept. of Anaesthesiology	Member
6.	Er. Ranjith G.	Engineer - E	Member
7.		Registrar	Member
8.	Dr. Santhosh Kumar B.	Deputy Registrar	Convener

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.

ANNEXURE - II

Government of
(Name & Address of the authority issuing the certificate)
INCOME & ASSEST 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;
- III. 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 _____



***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 DM/MCh STUDENTS

ARTICLES OF AGREEMENT, made this day of..... **Two thousand and Nineteen** betweenson/daughter of.....
..... (hereinafter called the Senior Resident) of the one part and Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum (hereinafter called the Institute' through its Director) of the other part.

WHEREAS the Institute intends to admit the part of the first part as a Senior Resident for a period of years commencing from theday of **January, 2020**.

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

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

1. The Senior 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 for a period of years commencing from the day of **January, 2020** until his/her services are terminated previously as hereinafter provided.

2. The services of the Senior 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 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 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 shall be guilty of any insubordination, interference or other misconduct or any breach or nonperformance of any of the provisions of the agreement, or of any rules pertaining to the Institute, PROVIDED ALWAYS that the decision of the Director of the Institute in this behalf shall be conclusive and binding on him/her.
- (iii) By thirty days notice in writing given at any time during service under this Agreement by the Director of the Institute or its authorized officer to him, without cause assigned.

PROVIDED ALWAYS that the Director of the Institute may in lieu of any notice herein provided for, give the Senior 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 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 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 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 on or after the second day of joining.

6. With effect fromday of.....2020 the Institute shall pay the Senior 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 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 will be provided as per their entitlement, single/Double/family accommodation in the hostel. The Senior 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 as per Institute Rules.

10. The Senior 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. The Director of the Institute, where such accommodation is provided, shall be entitled to take action for eviction in case the Senior 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 has satisfactorily carried out all the duties and responsibilities aforesaid shall be final and binding on the Senior Resident.

12. The working hours of the Senior 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.

13. The Senior 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 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 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 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 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.

(Signature of the Senior Resident)
& Address

Signature of Witness with Name

- 1.
- 2.

DEAN (Academic Affairs)
For and on behalf of
SCTIMST, Thiruvananthapuram.

ANNEXURE

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

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

Date:

Signature of the Candidate

Signed in the presence of Witnesses:

(Name & Address)

1.

Signature

2.

Signature

BOND FORMAT FOR DIPLOMA STUDENTS

ARTICLES OF AGREEMENT, made this day of.....
Two thousand and Nineteen 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 years commencing from the day of **January,**
2020.

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

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

1. The student shall submit himself/herself to the orders of the Institute
and Officers and authorities under whom he/she may from time to time be placed by
the Director, Sree Chitra Tirunal Institute for Medical Sciences & Technology and shall
serve as
.....
..... student for a period of years commencing from the day of **January,**
2020 until his/her services are terminated previously as hereinafter provided.

- 2. The services of the student 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 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.

(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 nonperformance of any of the provisions of the agreement, or of any rules pertaining to the Institute, PROVIDED ALWAYS that the decision of the Director of the Institute in this behalf shall be conclusive and binding on him/ her.

(iii) By thirty days notice in writing given at any time during service under this Agreement by the Director of the Institute or its authorized officer to him, 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 2020** the Institute shall pay the student so long as he/she remains in the said capacity and actually performs his/her duties as aforesaid, a monthly stipend/scholarship as per the Institute rules.

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

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

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

10. The student shall vacate the accommodation given to him/her as aforesaid within **10** days of the expiry of the term or earlier in the event of early termination of studentship. The Director of the Institute, where such accommodation is provided, shall be entitled to take action for eviction in case the student fails or neglects to vacate such an accommodation and delivery of peaceful possession thereof to the Director.

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

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

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

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

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

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

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

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

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

(Signature of the student)

Witness

Signature

1.

2.

DEAN, Academic Affairs
For and on behalf of
SCTIMST, Thiruvananthapuram.

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.
2.

Signature:
Signature:

BOND FORMAT FOR MPH STUDENTS

BOND

Bond signed by the students selected for MPH program at sree chitra tirunal institute for medical sciences and technology (hereinafter referred to as sctimst), Thiruvananthapuram and his/her surety for academic performances.

This Bond is made on this theday of.....by
Mr/Ms.....Resident (Full
Address).....
.....
.....

(Hereinafter called the 'Student')

And

Mr./Ms.....Aged.....Resident (Full
address).....Surety(hereinafter called the "First Surety")

And

Mr./Ms.....Aged.....Resident (Full Address)

(hereinafter called the "Second Surety").

In favour of the Director, SCTIMST at Thiruvananthapuram (hereinafter called the "Director").

The expressions "Student" and "Surety" in this Bond shall include, unless the context otherwise requires, his/her heirs, executors, administrators and legal representatives and the expression "Director" in this Bond shall include his successors-in-office and representatives in interest. It binds the Student and Sureties. The liabilities of the student and sureties shall be jointly and severally.

WHEREAS

- (i) The Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST) is an Institution of National Importance under the

Department of Science and Technology, Govt. of India. The institute has the status of a university and offers excellent research and training facilities. It has three wings: a tertiary referral super specialty hospital, a biomedical technology wing and the Achutha Menon Centre for Health Science Studies. SCTIMST focuses on high quality, advanced treatment of cardiac and neurological disorders, indigenous development of technologies for biomedical devices and materials and public health training and research.

- (ii) SCTIMST runs two year Master of Public Health (MPH) course (hereinafter called the "Course") and subject to prescribed academic performance level, a certain percentage of students will be given stipend and/or fee waiver by the Institute.
- (iii) The student named Mr./Ms.....son/daughter ofhas been admitted for the course.....in SCTIMST during the academic year.....and he/she is eligible for stipend and /or fee waiver.
- (iv) The Student and Sureties are required to furnish a Bond in favor of Director, SCTIMST binding that the Student shall diligently complete the Course.

Now in consideration of Director, SCTIMST granting the Student the admission to the said Course, we the Student and the Sureties do hereby jointly and severally undertake and promise to pay to Director, SCTIMST the sums mentioned herein below and in default thereof to pay interest per annum calculated at the Prime Lending Rate plus 3 percent for the time the amounts remain unpaid.

The condition of the Bond is that if the student successfully completes the Course, the Bond shall become void; otherwise it shall be fully operative.

Other conditions of the Bond are as under:-

- 1) The Student shall undergo the Course and satisfy the attendance requirements as prescribed by the rules of SCTIMT and shall not absent without prior permission from appropriate authorities of the SCTIMST and that the Student, during the study at SCTIMST, shall follow the prescribed rules, regulations, guidelines and other instructions as may be laid down by SCTIMST from time to time.
- 2) The Institute provides education to the students and expends its resources and funds in such process. In the event of any Student having to be prematurely removed from its rolls, the Institute sustains pecuniary loss. It is hereby agreed

that if the Student commits any of the acts mentioned below and as a result the Institute is constrained to remove the Student from taking part in the course, the Student and the Sureties promise to pay to the Director, SCTIMST (as representing the Institute) an amount of RUPEES TWO LAKHS AND FIFTY THOUSAND only. The Student and the Sureties agree that the said amount embodies and represents a pre-estimate of the quantum of loss sustained by the Institute on account of the removal of the student for any of the reasons mentioned below:

ACTS WARRANTING REMOVAL OF THE STUDENT

- (a) Unsatisfactory disciplinary conduct during the course at SCTIMST.
 - (b) Furnishing willfully or knowingly false/fake particulars for admission to SCTIMST.
- 3) The decision of the Director, SCTIMST shall be final as to whether any Student comes within the ambit of condition [2 (a) or 2(b)] above.
 - 4) In the event the Student withdraws from SCTIMST without completing the course, the Student and the Surety shall pay to the Director the full bond amount or such part thereof as may be determined by the Director at his discretion granted by SCTIMST during the course.
 - 5) In the event the Student, while studying at SCTIMST, fails to secure a minimum grade of B+, in all subject in the first year, the Student will not be paid Stipend for the succeeding year. However the student has to remit the pre-notified fee (for re-examination, students amenities fee, Hostel charges for one year, establishment charges) to continue the studies.
 - 6) In the event of any violation as above necessitating recovery of any amount from the Student and/ or surety, the Director, SCTIMST will be at liberty to recover such amount or the loss assessed from any one or all of the above parties and their assets both movable and immovable.
 - 7) The Student and Surety are fully convinced of these matters and agreed the terms of this bond with free will and consent.
 - 8) It is agreed that in the event of any dispute as to any matters which form the subject-matter of this Bond including any question as to the interpretation of any term in the Bond or as to its effect, meaning or otherwise except as to matters for which specific provision has been made in this Bond, the same shall be referred to arbitration under the provisions of the Arbitration & Conciliation Act 1996. The venue of arbitration shall be at Thiruvananthapuram in the State of Kerala. Only the courts at Thiruvananthapuram (and no other court) shall have exclusive jurisdiction in respect of any matters relating to such arbitration.

IN WITNESS THEREOF the Student, the Sureties have set their respective hands on the Day of 20...

Student Surety 1 Surety 2

Forwarded to Director by Dean:

Accepted: Director