



PROSPECTUS

ADMISSIONS 2016-2017



Christian Medical College

Vellore - 632 002, India

This prospectus is common to all courses around the year and needs to be read with the appropriate admission bulletin for the course

ALL COURSES AND ADMISSIONS TO OUR COLLEGE ARE SUBJECT TO APPLICABLE REGULATIONS BY UNIVERSITY / GOVERNMENT / MEDICAL COUNCIL OF INDIA / NATIONAL BOARD OF EXAMS

**ADMISSION TO CHRISTIAN MEDICAL COLLEGE, VELLORE
IS ONLY THROUGH THE PROCESS DESCRIBED IN THE PROSPECTUS**

NO FEE OR DONATION OR ANY OTHER PAYMENTS ARE ACCEPTED IN LIEU OF ADMISSIONS, OTHER THAN WHAT HAS BEEN PRESCRIBED IN THE PROSPECTUS

ANY STUDENT I CANDIDATE FOUND TO HAVE ATTEMPTED TO SECURE ADMISSION BY ANY MEANS OTHER THAN THE PROCESS PRESCRIBED IN THE PROSPECTUS WILL BE DISQUALIFIED

THE GENERAL PUBLIC ARE THEREFORE CAUTIONED NOT TO BE LURED BY ANY PERSON / PERSONS OFFERING ADMISSION TO ANY OF THE COURSES CONDUCTED BY US

SHOULD ANY PROSPECTIVE CANDIDATE BE APPROACHED BY ANY PERSON / PERSONS, THIS MAY IMMEDIATELY BE REPORTED TO THE LAW ENFORCEMENT AGENCIES FOR SUITABLE ACTION AND ALSO BROUGHT TO THE NOTICE OF OUR COLLEGE AT THE ADDRESS GIVEN BELOW

OUR COLLEGE WILL NOT BE RESPONSIBLE FOR ANY CANDIDATES OR PARENTS DEALING WITH SUCH PERSONS

CORRESPONDENCE

All correspondence should refer to the Application number or to the Hall Ticket number and be

Addressed to:

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PLEASE NOTE: WE DO NOT ADMIT STUDENTS THROUGH AGENTS OR AGENCIES

Important Information: “Candidates may kindly note that the Medical Council of India had notified the National Eligibility-cum-Entrance Test pursuant to the Under Graduate Medical Education (Amendment) Regulations, 2010 (Part-II). The matter is pending by way of Review Petitions filed by the Medical Council of India in the Hon'ble Supreme Court of India. The admission process being commenced through this Bulletin is subject to the Orders of the Hon'ble Supreme Court”.



CHRISTIAN MEDICAL COLLEGE - VELLORE

**PROSPECTUS
ADMISSIONS 2016 - 2017**

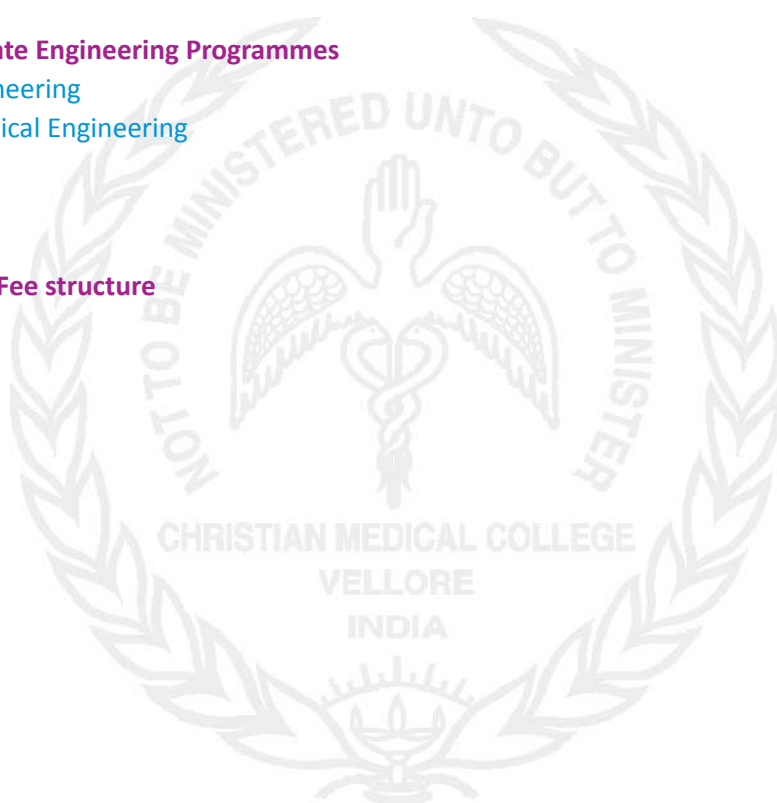
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1.1 OFFICE BEARERS

Office Bearers of the College Council

Chairman	Dr. MC Mathew	MBBS,MD(Paed),DCH,DipNB,DCR(Lon), PhD
Vice Chairman	Dr. Sanjeeth Peter	MBBS,MS, M.Ch
Secretary	Dr. Thomas Samuel Ram	MBBS,MD
Treasurer	Mr. S. Robby Pria Sunder singh	MCom,A.C.A

Administrative Officers of the Christian Medical College

Director	Dr. Sunil Thomas Chandy	MBBS,MD,DM,M.Phil.
Principal	Dr. Alfred Job Daniel	MBBS,D.Orth,MS(Ortho),DNB
Medical Superintendent	Dr. Eapen C.E.	MBBS,MD,DM,DNB
Associate Director	Dr. Raju Titus Chacko	MBBS,MD
Associate Director	Dr. Kurien Anil Kuruvilla	MBBS,MD(Paed),DCH
Associate Director	Dr. Dolly Daniel	MBBS,MD
Associate Director	Dr. J.V. Peter	MBBS,MD,DNB,MAMS,FRACP,FJFICM,FCICM
Associate Director	Dr. Sukria Nayak	MBBS, MS
Associate Director	Dr. Deepak Thomas Abraham	MBBS, MS
General Superintendent (Acting.)	Mr. Ebenezer Sundarraj	MCA, M.Phil
Dean, College of Nursing	Dr. Selva Titus Chacko	BScN,RN,RM,MScN Ph D
Nursing Superintendent	Dr. Premila Lee	BScN,RN,RM,MScN Ph D

Administrative Staff of the Medical College

Principal	Dr. Alfred Job Daniel	MBBS,D.Orth,MS(Ortho),DNB
Registrar	Dr. Regi Oommen	MBBS,DMRT,MD,DRM
Vice Principal	Dr. Joy Sarojini Michael	MBBS, MD, FRC(Path)
Vice Principal	Dr. Solomon Sathishkumar	MBBS,MD,
Vice Principal	Dr. Judy Ann John	MBBS, MD (PMR)
Vice Principal	Dr. Anna B Pulimood	MBBS,MD,PhD
Addl. Vice Principal	Dr. Biju George	MBBS, MD, DM
Academic Officer	Dr. Kuryan George	MBBS,MD,MSc,(Med.Informatics)
Deputy Registrar	Dr. Elizabeth Tharion	MBBS,DO,MD(Physio)
Deputy Registrar	Dr. Suganthi J	MBBS, MS, DNB, PhD
Deputy Registrar	Dr. Winsley Rose	MBBS, MD
Chief Superintendent		
University Examinations	Dr. Rabi Raja Singh	MSc,DipRP,PhD
Men's Hostel Warden	Dr. Thomas Palocaren	MBBS, D.Ortho, MS (Ortho)
Men's Hostel Resident Warden	Dr. Manbha L. Rymbai	MBBS, MS
Women's Hostel Warden	Dr. Anuradha Bose Perakath	MBBS,MD(Paed)
Women's Hostel Deputy Warden	Dr. Sunithi Elizabeth Mani	MBBS,DMRD,MD
DJ Hostel Warden	Mr. Andrew Babu Jayakumar	BPT,MSc(PT)
DJ Hostel Deputy Warden	Dr. Roshan Livingstone	MSc, Ph.D
Fitch Hostel Warden	Ms. Sushila Russell	MA, M.Phil
Fitch Hostel Deputy Warden	Ms. Febi Esther	MSW

Administrative Staff of the College of Nursing

Dean	Dr. Selva Titus Chacko	BScN,RN,RM,MScN PhD
Deputy Dean	Dr. Vinitha Ravindran	BScN,RN,RM,MScN,PhD
Addl. Deputy Dean	Mrs. Bala Seetharaman	BScN,RN,RM,MScN
Addl. Deputy Dean	Mrs. Jeyalindha Christopher	BScN,RN, RM, MScN
Addl. Deputy Dean	Mrs. Emily Daniel	BScN,RN,RM,MScN
Addl. Deputy Dean	Mrs. Shandila Immanuel	BScN,RN,RM,MScN
Registrar	Dr. Manoranjitham S.	BScN,RN,RM,MScN PhD
Deputy Registrar	Mrs. Dorathy Devakirubai T	BScN,RN,RM,MScN
Deputy Registrar	Mrs. Sonia P. Abraham	BScN,RN,RM,MScN
Student Nursing Hostel Warden	Miss A. Siluvaimani	MA,BEd



College Campus-panoramic view

THE CHRISTIAN MEDICAL COLLEGE VELLORE

The Christian Medical College is an unaided, non capitation, Christian minority, educational institution admitting students on merit on an all India basis. The Christian Medical College (CMC), Vellore, was established and is maintained by the Christian Medical College Vellore Association, a registered society, formed by over 50 different Indian Christian churches and Christian organisations which run over 225 hospitals, health centres and dispensaries throughout the length and breadth of this country, many of which are situated in remote rural areas. The purpose of the Christian Medical College therefore is to train dedicated persons to manage, run and provide health care in the spirit of Christ through the mission hospitals. The motto of the institution is: **"NOT TO BE MINISTERED UNTO, BUT TO MINISTER"**.



Early roadside clinics

1.2 VISION, OBJECTIVE & MISSION

The Christian Medical College, Vellore seeks to be a witness to the healing ministry of Christ, through excellence in education, service and research.

Objective

The objective of the Christian Medical College, Vellore, is the establishment, maintenance and development of a Christian Medical College and Hospital in India, where men and women shall receive an education of the highest grade in the art and science of medicine, nursing or one or other of the related professions, to equip them in the spirit of Christ, for service in the relief of suffering and in the promotion of health.

Mission Statement

The primary concern of the Christian Medical College, Vellore, is to develop through education and training, compassionate, professionally excellent, ethically sound individuals who will go out as servant-leaders of health teams and healing communities. Their service may be in promotive, preventive, curative, rehabilitative or palliative aspects of health care, in education or in research. In the delivery of health care, CMC provides a culture of caring while pursuing its commitment to professional excellence. CMC is committed to innovation and the adoption of new, appropriate, cost-effective, caring technology. In the area of research, CMC strives to understand God's purposes and designs, fostering a commitment to truth and high ethical standards. Research may be aimed at spirit of enquiry, commitment to truth and high ethical standards. Research may be aimed at gaining

knowledge of the fundamental basis of health and disease, at improving interventions or in optimizing the use of resources.

CMC reaffirms its commitment to the promotion of health and wholeness in individuals and communities and its special concern for the disabled, disadvantaged, marginalized and vulnerable.

CMC looks for support and participation in its programmes in education, service, outreach and research, from friends and like-minded agencies in India and abroad, in a true spirit of partnership.

In its role as a living witness in the healing ministry of Christ, CMC seeks to work in partnership both with the Church in India and the Universal Church, and their institutions.

1.3 INSTITUTIONAL PRIORITIES

The Christian Medical College, Vellore, occupies a unique place among medical institutions in India (and in the world) as a vital, diverse and inter-denominational community. The College has demonstrated that it is possible to be committed to quality primary care while encouraging the development of excellent tertiary health care services. This approach is possible in the context of a holistic understanding of health and healing.

1.4 HISTORY

The Christian Medical College, Vellore and the associated teaching hospitals were founded by Dr. Ida Sophia Scudder, the daughter of a medical missionary. She was born in 1870 to a missionary couple working in Tindivanam, sixty miles south of Chennai and later went back to America to complete her education. In 1890, she returned to India to attend to her ailing mother. On a single night during that visit, Ida was approached by three men seeking her help for their young wives in labour. As she could not offer help, and as local customs did not permit a male doctor to attend to them, young Ida was moved by the death of these three young Indian women during childbirth. She saw the suffering of women in India and realized the need in India for women doctors to attend to women whose traditions did not permit them to be treated by men.



She went to America and obtained medical training, specializing in Obstetrics and Gynaecology. In 1900, she started her work with one room for inpatients in her father's bungalow. Patients came in increasing numbers and the need for better facilities became obvious. She set about winning support for her cause and in 1902 the Mary Taber Schell Memorial Hospital was built to accommodate 40 patients. In 1924, the present town campus was acquired and a 267 bed hospital was built.

The Christian Medical College, Vellore, now offers Medical graduate, postgraduate (diploma and degree), and higher specialty courses, graduate and post graduate courses in Nursing, and several degree and diploma Allied Health Science courses as well as courses in Bioengineering.

Today there are over 2800 beds for in-patients and over 8000 outpatients are treated daily in the main hospital and in peripheral units.

1.5 EDUCATION

MEDICAL EDUCATION

The Christian Medical College, Vellore, began in 1918, when Dr. Scudder started training women for the Licentiate Diploma (LMP). Her first batch of medical students achieved a 100 percent pass in the examinations. In 1942, the medical school was raised to the status of a college and 25 students were admitted to the MBBS course.

The first men students were admitted to the college in 1947. Permanent affiliation to the University of Madras was obtained in 1950. From 1953 onwards 50 students were admitted (25 men and 25 women). In 1964 the annual admissions were increased to 60 and in 2012 it was increased to 100. In 1988, the affiliation of this institution was transferred from the University of Madras to the newly established 'Tamil Nadu Dr. M.G.R. Medical University'. In 2001, the National Assessment and Accreditation Council, an autonomous institution of the University Grants Commission awarded a five star rating to the institution. When our country became independent, there was an urgent need to make technical knowledge and personnel available for the whole country. The Christian Medical College responded to this need by starting various specialty departments, known nationally for their contribution to innovative teaching and patient care.

Postgraduate training programmes are continue to be added, as newer branches of medicine develop. At present, there are postgraduate diploma courses in 11 specialties and postgraduate degree courses in 24 specialties. This institution has been a pioneer in India in the development of Community Based Education as well as in higher specialties like Cardiology, Thoracic Surgery, Neurology, Neurosurgery, Urology, Nephrology, Endocrinology, Gastroenterology and Haematology. The college currently offers 17 higher specialty courses. In addition, Masters courses are offered in the specialties of Biostatistics, Epidemiology, Medical Physics, Public Health, Bioengineering and Clinical Engineering and M.Phil in Hospital and Health Systems Management. The facility for registering students for PhD exists in



several departments. The emphasis on training Indian doctors to go back and serve in their own areas has been maintained. A large number of Christian Churches and Missions throughout India make use of these opportunities for training. This enables them to make up to date health services available for people in rural and semi-urban areas in different parts of the country, through the hospitals under their auspices. It is expected that those who receive training here will keep the needs of the people of this country foremost in their minds when they start their vocation. The trainees are exposed to the most modern developments in medical sciences and at the same time equal emphasis is given to making them service oriented so that they identify themselves with the community where they are called to serve.

NURSING EDUCATION

The year 1904 saw the beginnings of nursing education in the Christian Medical College, Vellore. Dr. Scudder and Miss Lillian Hart, a trained nurse began training Indian women in nursing and three years later the first formal training programme in nursing was started. In 1909 higher-grade training in nursing was established. Miss Vera K. Pitman and Miss Florence Taylor initiated the first BSc Programme in Nursing, affiliated to the Madras University in 1946. The College of Nursing has since crossed many a milestone to reach where it is today an "Institute of Excellence" and member of the Global network of the WHO collaborating centres for nursing.



MILESTONES:

- 1909 - Higher grade Nursing training
- 1967 - Post Basic Diploma Programmes in Nursing 1967 - B Sc Nursing for Trained Nurses
- 1969 - M Sc Degree in Nursing 1994 - PhD in Nursing
- 2000 - "Institute of Excellence" by the Government of India
- 2003 - WHO Collaborating Centre for Nursing and Midwifery Development
- 2005 - Fellowship in Nursing
- 2006 - Study Centre for the National PhD Consortium set up by the Indian Nursing Council
- 2009 - Centennial year of formal nursing education

One hundred candidates are selected annually for the Diploma in Nursing Programme affiliated to the Board of Nursing Education of the Nurses League of the Christian Medical Association of India (South India Branch) and 100 candidates for the B.Sc. Degree in Nursing Programme under the Tamilnadu Dr. M.G.R. Medical University, Chennai. Both these programmes are recognized by the Indian Nursing



Council. The College of Nursing has grown to meet the diverse health needs of people across the nation through training and preparing quality health personnel. Regional training programmes in community health nursing, midwifery education and safe motherhood, and adult nursing, are offered to the South East Asia Region (SEAR). WHO sponsors candidates from different parts of India to come here for short term training in emergency and trauma nursing.

ALLIED HEALTH SCIENCES

Along with the development of nursing and medical education, the institution has also recognised the need to train skilled personnel in the various Allied Health Sciences. These were initially started as in service training programmes, and gradually upgraded to certificate, diploma and university degree courses. The first such programme was the compounder training programme initiated in 1903, which was subsequently upgraded as the Diploma in Pharmacy. Since then many diploma courses like Physiotherapy, Occupational therapy, Medical Laboratory Technology and Medical Record Science have also been upgraded to degree programmes. Currently, the institution runs about 19 degree and 19 diploma programmes (7 diploma courses, 12 Post Graduate Diploma courses) and 3 fellowship courses in the Allied Health Sciences.



1.6 SERVICE

The service activities of the Christian Medical College in the field of health care are related to its role as a teaching institution, and the demands of this role. The Christian Medical College is a tertiary care institution that influences decisions and practices in health care both within India and abroad. Various models of primary and secondary health care are implemented at CHAD (Community Health and Development Programme), RUHSA (Rural Unit for Health and Social Affairs), LCECU (Low Cost Effective Care Unit) and CONCH (College of Nursing Community Health). The extensive capabilities of the institution, straddling primary to tertiary medical care provide the scientific and professional environment. In 2013 the institution was awarded the NABH accreditation.



1.7 RESEARCH

Research is an integral part of the institution. Research is oriented to areas of need and emphasizes application to relevant problems. Some research projects have been of exceptional value in combating major health problems. The work on leprosy, AIDS, tropical sprue, diarrhoea in children and immunization are examples of such need based research. Several notable contributions have been made to medical science in the fields of Leprosy, Rehabilitation and



Reconstructive Surgery, Neurochemistry, Neuro-physiology, Gastroenterology, Growth and Development, Microbiology, Population studies, Haematology, Oncology and Virology. The inculcation of an attitude of enquiry, acquisition of knowledge of basic methods of research and the conduct of research at various levels of involvement in health care is encouraged among both faculty and students. Research relevant to the country's needs is encouraged with institutional grants as seed money to initiate projects. National and international funding agencies and other research organizations currently support research in fields including population studies on growth and development, basic science research in organ transplantation, HIV/AIDS, invasive bacterial infections, diarrhoeal disease, haematological malignancies, bone marrow transplantation and treatment of spinal cord injuries.

1.8 FACULTY DEVELOPMENT

Developing the faculty has been a long held tradition of the College with every support to specialize and continually upgrade skills and practice. This has resulted in an enviable list of over 900 Medical, Nursing and Allied Health Science faculty, who in every department, in their own right, have done the institution proud.



1.9 SPIRITUAL NURTURE

The institution believes that the quality of work is derived from its dependence on God. Ministering to the spiritual needs of the patients and the spiritual nurture of staff and students are central to its entire programme. The central location of the chapels, both in the college and the hospital, reflect the centrality of worship in the life of the community. Sunday worship services in several Indian languages and in English are conducted in the town campus chapel and in English in the college chapel. Staff and student retreats led by eminent Christian thinkers are an important feature of the spiritual nurture of the community.



1.10 STUDENT NURTURE

Various academic and extracurricular facilities are available for the development of the students. Well stocked medical libraries exist in both the hospital and college campuses. Scientific journals, MEDLINE system for literature search, internet and reprographic facilities are available in the libraries. Students can avail of the medical facilities of the Staff Student Health Services (SSHS) in the town campus or at CHAD in the medical college campus. Extracurricular activities, which promote development of skills, talents, physical and mental health are encouraged. The institution provides and encourages a variety of activities including music, dramatics,



debating, athletics, games and social service. Residing in the hostel is mandatory for students of MBBS, BSc Nursing and Diploma in Nursing courses. Hostel accommodation is available to students of other courses as well. CMC strongly believes that the students admitted to the college should be nurtured as members of a family. A system of fostering of students who live on the college campus has been successfully working where a member of the teaching staff is allotted one or two students every year to 'foster'. This interaction at a non-academic level has proved popular in integrating the older and younger members of the CMC 'family'.

1.11 A COMMITMENT TO SERVE THE NATION

CMC upholds the value that all its alumni will commit themselves to the service of the poor and marginalized. Towards this end, the cost of education is kept at a very modest level to prevent graduates being burdened with financial preoccupations. Furthermore, all candidates admitted to Group A courses and Diploma in Nursing will have to undertake a service obligation to work in an area of need for a period of two years after completion of training. This process, we hope, will nurture our graduates into a life of service and allow them to work in a learning environment where they can take informed decisions about their future careers. All candidates selected for the various degree and diploma courses are required to give an undertaking to serve in India or in their country of origin for a minimum period of four years.



1.12 LOCATION

Vellore is 150 km. west of Chennai on the highway to Bangalore and is well connected by road and rail. For those travelling by train, the station to alight at is Katpadi, which is on the Chennai to Bangalore or Coimbatore line. Frequent bus services connect the major towns in the region (Chennai, Chittoor, Bangalore, Salem, and Trichy) to Vellore. The town campus of the College is located at the centre of Vellore town and is six kilometres south from the Katpadi Railway Station. This campus houses the main hospital, hostels for nurses (staff and students) and some accommodation for faculty. There are numerous commercial boarding and lodging facilities around the town campus. Situated 7 km. south of the main hospital is the College campus set in a green, quiet and calm 200-acre site. Classrooms and laboratories for pre-clinical students are on this campus. A majority of the faculty stay on this campus. This campus can be reached by taking the town buses route number 1 or 2, going towards Bagayam. Auto-rickshaws are also available from Katpadi Railway junction and Vellore town. The Schell campus is situated in Vellore town and is about 2 km from the town campus. The Kagithapattarai campus is less than a km, from the town campus and houses the College of Nursing and some accommodation.

OVERVIEW OF VARIOUS COURSES OFFERED
1.13 Admissions calendar

Name of Course		Tentative month for issue of Prospectus & Application	Tentative month for Step 1 - Computer based Entrance test	Tentative month for Step 2 - Special Tests and Interviews	Tentative month for registration	Classes begin
Group A Courses	MBBS	February	May	June	June	June
	BSc Nursing	February	May	July	August	August
	AHS Degree	February	May	July	July	July
Group B Courses	Diploma Nursing	February	May	July	August	August
	AHS Diploma/ PG Diploma	February	May	July	July	August
	AHS Fellowships	February	May	July	July	August
	M Sc Courses	February	May	June	June	July
DM/M.Ch		February	May	June	July	August
MPH		February	May	June	July	August
MS Bio engineering		April	June	June	July	August
Post Doctoral / Graduate Fellowships		February/ September	May/Jan	June/ February	June/ February	July/ March
Medical Post Graduate Courses		September	January	February	March	April
Post Basic BSc Degree, Nursing Fellowship, Nursing Post Diploma		September	January	February	August	August
MSc Nursing		September	January	February	May	May

1.14 SPONSORSHIP

The aim of the Christian Medical College, Vellore, is to train individuals for service in needy areas especially in Christian mission hospitals. To this end, Christian students are encouraged to apply to be considered under the sponsored category.

Any Christian Church or Christian Organization which is a member of the Christian Medical College Vellore Association and any other Church or Christian Body which operates its own medical work in India or neighbouring countries, which is a member of the Council, and which fulfils the criteria as laid down by the Council is eligible to sponsor candidates for selection to the various educational courses run by CMC, Vellore, provided the organization does not run the said course. The Christian Medical College, Vellore, is also a recognized sponsoring body.

1. Members of the Association and Council who are eligible for the privilege of sponsorship shall sponsor ALL eligible candidates. It is essential that efforts be made by all sponsoring bodies to sponsor students belonging to the weaker and under privileged sections of the society. Normally certification should be offered to candidates belonging to the Christian faith if they and their families have had a meaningful relationship with the Church or the related body for a period of at least 10 years. In the case of transfer from one parish/ diocese / denomination to another, the total period of relationship with the Churches (regardless of area or denomination) should be taken into consideration.
2. No candidate shall pay any amount exceeding Rs. 750 to the sponsoring body towards registration for sponsorship. Collection of any amount in excess of Rs. 750 as donation / security deposit / retainer or in any other form by the sponsoring body is a violation of the Christian Medical College Vellore Association and Council resolutions and guidelines.
3. Indian sponsoring bodies may sponsor only Indian nationals. *(Any person who holds a passport other than an Indian passport is ineligible to be sponsored by an Indian sponsoring body).*
4. Sponsorship entails an agreement between the candidate and the sponsoring body whereby the candidate agrees to serve in one of the institutions of the body for a minimum period of two years. This obligation should be given as service only and shall be ensured by the Christian Medical College, Vellore.
5. No sponsored candidates shall be considered for admission unless they achieve a set minimum standard in the admission test which indicates that they can successfully complete the course. The candidates should also fulfill the requirements of the respective certifying Board.
6. All candidates who are selected for any educational course in the College shall execute with their sponsoring body and the College legally valid agreements on appropriate stamp paper within 2 weeks of their selection. The College will get the students to execute the agreement written on behalf of the sponsoring bodies. Failure to execute the agreement will result in the candidate forfeiting the seat. The sample agreement is available in the admission bulletin.
7. Service obligation should be discharged only in terms of service and not through financial compensation. Details of the service obligation are given separately for each course. Candidates and their parent/legal guardian are required to sign a service obligation agreement.
8. Admission is restricted under the sponsored category to only one candidate from the same family (siblings) in any particular year to any single course offered by the Christian Medical College, Vellore.

9. In the event a student fails to fulfill the service obligation by appropriate service as stated in the agreement, he/she will not be eligible for
 - a. Admission to any further educational courses at the Christian Medical College, Vellore.
 - b. Any appointments in the Christian Medical College, Vellore and associated teaching hospitals.
10. The transcript and College documents will be released only after the service obligation is fulfilled.
11. The list of sponsoring bodies eligible to sponsor candidates to the various courses is given in Annexure I of the Bulletin for Summer Admissions 2016. **THE OFFICE OF THE REGISTRAR WILL NOT CORRESPOND IN THIS REGARD WITH THE CANDIDATE**

1.14.1 UNDERGRADUATE COLLEGE SPONSORSHIP FOR CHRISTIANS

*Christian candidates who are not sponsored by the CMC Vellore Association or Council members may apply to be considered under **the Undergraduate College Sponsorship for Christians** category. **Such Candidates should apply to The Council Secretary, c/o The Registrar, CMC, Vellore. The application for sponsorship under the Undergraduate College Sponsorship for Christians category should be sent to The Registrar, CMC, Vellore 632002** so as to reach not later than 13th April 2016.*

Enclose the following documents

- a. **Application for sponsorship** under Undergraduate College Sponsorship for Christians (Annexure IV of Bulletin)
- b. **A certificate from the pastor** of the candidate's Church that the candidate/parents have been member(s) of the Church for a duration of not less than 10 years (Annexure VI of Bulletin)
- c. **Baptism / Confirmation certificate**

Candidates who have applied for and are not eligible for sponsorship will be considered only under the open category.

1.15 SERVICE OBLIGATION

The Christian Medical College, Vellore upholds the value that its alumni will commit themselves to the service of the poor and marginalized. Hence, the cost of education has been kept at a very modest level to prevent graduates being burdened with financial preoccupations. **All candidates** admitted to the Group A courses will have to undertake a service obligation, to work in an area of need for a minimum **period of two years** after completion of training. This process is expected to nurture our graduates into a lifetime of service and allows them to work in a learning environment where they can make informed decisions about their future careers. The candidates chosen under the open category will serve in areas of need identified by the Christian Medical College, Vellore.

Students who do not fulfill the service obligation will not be eligible for admission to postgraduate studies or for appointment as staff of Christian Medical College, Vellore. They will not be given any certificates other than those statutorily mandated by the University and respective Professional Councils.

1.16 SUBSIDIZED FEES AND SCHOLARSHIPS

Despite the extensive medical services provided by the hospitals and community outreach, the mission statement makes it clear that CMC's primary concern is education, training and professional development. There is a commitment to ensure that the cost of education should not be a barrier to anyone desiring to pursue a course at CMC. The course fees are heavily subsidized; for example, the annual fees for MBBS including accommodation are less than Rs. 23,000/- after the first year even though the full cost per student is estimated at several lakhs per annum.

Students who find it difficult to meet even these low fees are encouraged to apply for scholarships which are available for all undergraduate courses (Medicine, Nursing and Allied Health Sciences). Scholarships are awarded according to economic status and cover all or part of the fees and accommodation costs. The low fees emphasize that education is a gift to be shared and not sold. The intention is that those who benefit will share the fruits of their experience in learning at CMC, Vellore through service to humanity.

1.17 DISCIPLINE

RAGGING

Ragging is not acceptable behavior on the campuses of the Christian Medical College. It is illegal according to the Law of the land to commit, participate in, abet or propagate "**ragging**". The institution will deal firmly and strictly with all instances of ragging. If any incident/s of ragging comes to the notice of the authorities, the concerned student/s will be given liberty to explain. If the explanation is not satisfactory, the authorities will expel the student from the institution. Please refer annexure VIII of the admission Bulletin for Summer Admissions for further details on the UGC guidelines on ragging.

POSSESSION OF ILLICIT DRUGS, ALCOHOL AND SMOKING

Smoking is not permitted in public areas and on the campuses of CMC. Students should not consume or serve alcohol on any occasion within the campuses of CMC. Forcing a fellow student to consume alcohol would be grounds for severe disciplinary action. The Indian penal code classifies obtaining, keeping or passing on banned drugs (such as marijuana, cocaine, heroin etc) as a criminal offence. Possession or use of banned drugs will result in expulsion from the college.

INVOLVEMENT IN STRIKES AND CRIMINAL ACTS

It is an illegal act to be involved in strike within the organization. In case, if the student is involved in this act, she / he may be liable for expulsion from the institution. Any other activities which are likely to affect the peace and tranquility of the institution involvement in any sort of violence or disturbance both within and outside the institution / any criminal acts / offences as defined in the Indian Penal Code 1860 will result in expulsion from the College.



MEDICAL



2. MEDICAL COURSES

2.1 MBBS

DESCRIPTION OF COURSE

The MBBS course is of four and a half years duration and is followed by one year of Compulsory Rotating Residential Internship. The course begins with a short foundation course sensitizing students to the health situation in India, the role of doctors in the community and basic principles of Communication & Ethics. The undergraduate course in medicine comprises of three stages. The first stage of 12 months duration consists of the basic sciences - Anatomy, Physiology and Biochemistry. The next stage is of 18 months duration and comprises of clinical and para-clinical subjects - Pharmacology, Pathology, Microbiology and Forensic Medicine. The last stage is of 24 months duration and covers Ophthalmology, Oto-rhinolaryngology, Community Medicine, General Medicine, Child Health, Surgery, Orthopaedic Surgery and Obstetrics & Gynaecology. A block posting in Community Health is an integral part of each stage. Posting in mission hospitals and secondary care centres is a unique feature of medical education. The internship lasting for 12 months comprises of postings in Community Health, Medicine, Surgery, Obstetrics & Gynaecology, Child Health, Orthopaedics, Emergency Medicine and short electives in various specialties. All these are as per the guidelines of the Medical Council of India.

ELIGIBILITY FOR ADMISSION

1. Candidates should have passed the qualifying examination equivalent to 10+2 Higher Secondary period of 12 years of study, the last two years of study comprising of Physics, Chemistry and Biology with English. A candidate for admission to the medical course "must have 60%*marks at +2 level in each of Physics, Chemistry and Biology (or Botany and Zoology taken together) and have an aggregate of 140/200 in these subjects, both at qualifying and competitive examinations and should have passed in English". This is as per State and University guidelines. (* 60% in each and 130/ 200 aggregate for BC, 55% in each and 120/200 aggregate for MBC, and 40% in each and



80 /200 aggregate for SC/ST candidates). (BC, MBC, SC / ST are as defined by the TN Government; all rules are subject to change as per State & University guidelines. Please refer to the latest regulations on the Tamil Nadu Dr.MGR Medical University website <http://www.tnmgrmu.ac.in/>). Example: if a candidate has 72 % in Biology, 66% in Chemistry and 70% in Physics, then the aggregate works out to $\{72+(66+70)/2\}$ on 200 => $\{72+68\}$ on 200, i.e. 140/200 and is eligible. However, a

candidate with 68% in Biology, 72% in Chemistry and 70 % in Physics will have only $\{68+(72+70)/2\}$ on 200 => $\{68+71\}$ on 200, i.e. 139/200 and is not eligible.

Candidates should have passed in all subjects of the qualifying examination of the Higher Secondary Certificate Examination (Academic) conducted by the Tamil Nadu State Board or any other equivalent examination in one and the same attempt in the subjects.

2. Candidates should have completed the age of 17 years at the time of admission or should complete the said age on or before 31st December of the said year.

Please check the relevant admission bulletin on the CMC website for updated information

BASIS OF ADMISSION

1. Selection is based on merit. It consists of two steps. A Computer based test (Step-1) consisting of multiple choice questions is conducted in English, on an All India basis. (please see Annexure III of the bulletin). This is followed by Step-2 for short-listed candidates which consists of special tests to assess the candidate's character and aptitude. Interviews also will form part of the assessment at this stage. During Step -2, the aptitude of the candidate for the healing ministry, willingness to serve in remote mission hospitals and a sense of compassion for the suffering will be assessed. For Christian students applying under the sponsored category, a written test in Bible Knowledge will be a part of the tests at Vellore. Admission to the programme for the year is subject to being certified medically fit by the Medical board of Christian Medical College, Vellore.
2. The number of candidates for the MBBS course shall be 100 per year, of which not less than 42 shall be women.
3. The final distribution of seats will be as follows:
 - (a) All India Open - 16 seats.
 - (i) One candidate will be selected by the Government of India (separate requests for obtaining prescribed applications are to be addressed to the authorities as indicated in Annexure - II of the bulletin).
 - (ii) Twenty percent (3 seats) of the open seats shall be reserved for candidates belonging to Scheduled Caste / Tribes (SC/ST). The candidates belonging to SC/ST should indicate this on the application form and a photocopy of the certificate of proof issued by the Deputy Tahsildar or the District Magistrate MUST be enclosed. The original of the Certificate is required.
 - (b) Sponsored Candidates - 84 seats

Up to 84 seats will be reserved for the sponsored candidates (See sponsorship guidelines Section 1.14 for further details)
4. The selection committee will shortlist eligible candidates to attend step-2, which will be conducted only at Vellore.

5. THE DECISION OF THE SELECTION COMMITTEE IS FINAL.

REGISTRATION FOR ADMISSION

Those finally selected for admission after interviews and tests will be required to register for the course by paying the tuition fee and completing other admission formalities. Students should submit their certificates in ORIGINAL. Admission to the MBBS degree course will continue to be provisional until approval by the Tamil Nadu Dr. M.G.R. Medical University.

CHRISTIAN MEDICAL COLLEGE VELLORE.
POST GRADUATES - 2015 (DM, M.Ch., Fellowship, M.Sc.,)



CHRISTIAN MEDICAL COLLEGE VELLORE.
POST GRADUATES - 2015 (Diploma MD, MS.,)



2.2 MEDICAL POSTGRADUATE COURSES

(Diploma, Degree and Higher Specialties)

The Christian Medical College offers admission to the following postgraduate and higher specialty courses. The number of seats available in each of these courses is indicated. Please check the current PG admission bulletin / higher specialty admission bulletin / website for updated information on courses, number of seats and further details regarding the admission process.

2.2.1 DEGREE / DIPLOMA COURSES

SUBJECTS	COURSE NAME	DURATION (YEARS)	NO. OF SEATS*	TYPE OF TEST PAPER AVAILABLE
Anaesthesia	M.D.	3	11	General or Specialty (Anaesthesia)
	D.A.	2	8	
Anatomy	M.D.	3	4	General or Specialty (Anatomy)
Biochemistry	M.D.	3	2	General or Specialty (Biochemistry)
Clinical Pathology	D.C.P.	2	2	General only
Community Med	M.D.	3	6	General or Specialty (Comm. Med.)
Dermatology Venerol & Lep.	M.D.	3	3	General or Specialty (Dermatology)
	D.D.V.L.	2	1	
ENT	M.S.	3	6	General or Specialty (ENT)
	D.L.O.	2	2	
Geriatric Medicine	M.D.	3	1	General only
General Medicine	M.D.	3	16	General only
General Surgery	M.S.	3	10	General only
Microbiology	M.D.	3	4	General or Specialty (Microbiology)
Nuclear Med	M.D.	3	1	General only
Obstetrics & Gynaecology	M.S.	3	6	General or Specialty (Obst. & Gynae)
	D.G.O.	2	6	
Ophthalmology	M.S.	3	7	General or Specialty (Ophthalmology)
	D.O.	2	2	
Orthopaedics	M.S.	3	8	General or Specialty (Orthopaedics)
	D.Orth.	2	4	
Paediatrics	MD	3	8	General or Specialty (Paediatrics)
	D.C.H.	2	8	
Pathology	M.D.	3	8	General or Specialty (Pathology)
Pharmacology	M.D.	3	2	General or Specialty (Pharmacology)
Physiology	M.D.	3	4	General or Specialty (Physiology)
Physical Medicine & Rehabilitation	M.D.	3	4	General or Specialty (PMR)
Psychiatry	M.D.	3	6	General or Specialty (Psychiatry)
	D.P.M.	2	6	
Radiodiagnosis	M.D.	3	6	General or Specialty (Radiology)
	D.M.R.D.	2	6	
Radiotherapy	M.D.	3	5	General or Specialty (Radiotherapy)
	D.M.R.T.	2	3	
Respiratory Med	M.D.	3	2	General only
Transfusion Med	M.D.	3	3	General or Specialty (Transfusion)

* Subject to change as per University / MCI regulations

2.2.2 HIGHER SPECIALTY COURSES

Subject	Course	Eligibility	Duration (years)	No. of Seats*	Type of Test Paper Available
Cardiology	D.M	MD/DNB in Gen. Med./ Paed/ Resp. Med.	3	6	Specialty (Cardiology)
Clinical Haematology	D.M	MD/ DNB in Gen. Med./ Paed/Path/Biochem.	3	4	Specialty (Haematology)
Critical Care Medicine	D.M.	MD / DNB in Gen. Med/ Anaesthesia/Tuberculosis & Resp Med/ Emergency med	3	1	Specialty (Critical Care)
Endocrinology	D.M	MD/ DNB in Gen. Med/Paed	3	2	Specialty (Endocrinology)
Gastroenterology	D.M	MD/ DNB in Gen. Med.	3	5	Specialty (Gastroenterology)
Hepatology	D.M	MD/ DNB in Gen.Med/Paed	3	1	Specialty (Gastroenterology)
Neonatology	D.M	MD/ DNB in Paediatrics	3	2	Specialty (Neonatology)
Nephrology	D.M	MD/ DNB in Gen.Med/Paed	3	4	Specialty (Nephrology)
Neurology	D.M	MD/ DNB in Gen.Med/Paed	3	2	Specialty (Neurology)
Rheumatology**	D.M	MD/ DNB in Gen.Med/Paed	3	1	Specialty (Rheumatology)
Cardio Thoracic Surgery	M.Ch	MS/ DNB in Gen. Surgery	3	4	Specialty (Cardio Thor. Surg.)
Endocrine Surgery	M.Ch	MS/ DNB in Gen. Surgery	3	1	Specialty (Endocrine Surg.)
Hand Surgery	M.Ch	MS/DNB Orthopaedics	3	1	Specialty (Hand Surgery)
Neurosurgery	M.Ch	MS/ DNB in Gen. Surgery	3	1	Specialty (Neurosurgery)
Neurosurgery	M.Ch	MBBS	6	3	Specialty (Neurosurgery)
Paediatric Surgery	M.Ch	MS/ DNB in Gen. Surgery	3	4	Specialty (Paediatric Surgery)
Plastic& Reconstructive Surgery	M.Ch	MS Gen. Surgery	3	3	Specialty (Plastic & Reconstructive Surgery)
Urology	M.Ch	MS/ DNB in Gen. Surgery	3	5	Specialty (Urology)
Vascular Surgery**	M.Ch	MS/ DNB in Gen. Surgery	3	1	Specialty (Vascular Surgery)

*Subject to change as per University/MCI regulations

** Subject to MCI approval

NOTE: POSTGRADUATE COURSES IN THIS INSTITUTION ARE IN-SERVICE TRAINING PROGRAMMES.

FOR ALL POST-GRADUATE COURSES MENTIONED IN SECTION 2.2.1

For MD/MS/Diploma courses, applications will be invited in September of the year preceding. For all Higher Specialty courses, applications will be invited in February of that year along with the summer admissions.

The College recognizes that merit is not merely academic, but is, in addition, a collection of various other factors, which go towards suitability to pursue postgraduate training. The selection process/ admission will be subject to any orders passed or that may be passed by the Government/ University/Professional Councils.

RULES GOVERNING SPONSORED CANDIDATES:

- a) Any Christian Church or Christian Organization which is a member of the Christian Medical College Vellore Association and any other Church or Christian Body which operates its own medical work in India or neighbouring countries, which is a member of the Council, and which fulfils the criteria as laid down by the Council is eligible to sponsor candidates for selection to the various educational courses run by CMC, Vellore, provided the organization does not run the said course. In addition the Christian Medical College, Vellore is also a recognized sponsoring body.
- b) All bodies that are eligible to sponsor candidates for selection to the M.B.B.S. course are eligible to sponsor candidates for postgraduate diploma and degree courses provided they do not offer the same course/s in hospitals or colleges of their own sponsoring body. This rule does not apply to CMC, Vellore.
- c) The candidate who was sponsored to the M.B.B.S. course is required to serve the concerned sponsoring body for a period not less than two years, before being considered for selection to any postgraduate course. Any remaining service period in excess of two years that may have been agreed upon towards sponsorship for the M.B.B.S. course may be completed at a later date with the written permission of the sponsoring body, provided the candidate is re-sponsored for the postgraduate course by the same sponsoring body. Candidates must submit a copy of the sponsorship obligation completion certificate issued by the appropriate authority of the sponsoring body, which must state the dates of commencement and completion (or expected date of completion) of obligatory service as well as the period and categories of their leave allowed and availed.
- d) Sponsored candidates on completion of their postgraduate diploma course opting for re-sponsorship from the same sponsoring body for a postgraduate degree course in the same specialty may have their service obligation deferred till the postgraduate degree course is completed.
- e) No Sponsored candidates shall be considered for admission unless they achieve a set minimum standard in the admission test which indicates that they can successfully complete the course. The candidates should also fulfil the requirements of the respective certifying Board.
- f) The service obligation arising from sponsorship should be given as service, and non-fulfilment of service violates the spirit of sponsorship and the aim and objectives of the Association.
- g) Students who do not fulfil the service obligation will not be eligible for admission to postgraduate studies or for appointment as staff of CMC, Vellore. They will not be given any certificates other than those statutorily mandated by the University and respective Professional Council / Regulatory Body.

The Principal is authorized to withhold transcripts and other non-statutory certificates issued by the College until the sponsorship obligations are fulfilled.

- h) Candidates who are now applying for any postgraduate course under the sponsored category will be governed also by the following regulations:
- i) Sponsorship will be considered as valid only if the candidate has asked for sponsorship in the application form and the church provides the appropriate details on the prescribed forms for sponsoring the candidates.
- ii) When a candidate is sponsored for admission to a postgraduate course, the candidate must sign an agreement to serve the sponsoring body for a minimum period of two years following diploma courses and three years following degree courses. If the sponsoring body is unable to utilise the service of such a candidate, the College will reserve the right to utilise the candidate's obligatory service. The service obligation for sponsorship should only be in terms of service and not financial compensation. However, if a sponsored student seeks relief from the service obligation agreement due to extraordinary circumstances, the request will be considered on merit. Marriage, securing a job outside the country or being selected for a postgraduate course elsewhere are not considered extraordinary circumstances. Students who do not fulfil the service obligation will not be eligible for admission to postgraduate studies or appointment as staff of Christian Medical College, Vellore. They will not be given any certificates other than those statutorily mandated by the University and Indian Medical Council.
- iii) Candidates sponsored to postgraduate courses should have served a minimum period of two years in any position in one or more mission hospitals of any of the supporting bodies of this institution after graduation. This may include training periods after graduation for post-graduate course in CMC, Vellore or any teaching / mission hospital of any supporting body. This period should be completed by 15 / 05/2016. Candidates must submit a copy of the certificate(s) issued by the authorised signatory of the supporting bodies of this institution which must state the dates of completion (or expected date of completion) of two years of service as well as the period and categories of leave allowed and availed.
- iv) Sponsorship will be on the basis of the need of the Sponsoring Body to have trained personnel for their Mission work. The Sponsoring body must give an undertaking that the specialty exists or will be created and also ensure that a post will be available when the candidate graduates. NO FEES OR DONATION are to be paid for this other than the stipulated sponsorship fee, which should not exceed Rs.750/-.

ELIGIBILITY FOR ADMISSION TO DIPLOMA AND MD / MS LEVEL COURSES (INCLUDING M.Ch 6 YR)

Please check the relevant admission bulletin on the CMC website for updated information

Candidates having qualified for the M.B.B.S degree and obtained full registration and having completed their compulsory rotating residential internship before the starting date of the courses, are eligible to apply for the postgraduate diploma and degree courses.

Candidates having qualified for a postgraduate diploma may also apply for the postgraduate degree (MS/ MD) course in the same subject. Post Diploma candidates with a diploma in the same subject will undergo 2 years of training for the degree.

SERVICE OBLIGATION

Refer to Section 1.15

BASIS OF ADMISSION

1. The final distribution of seats will be as in the table in the relevant admission bulletin. Not less than fifty percent of the seats in each course are reserved for sponsored candidates, provided they fulfill other criteria for eligibility for admission.
2. Weightage will be given to applicants who have served in areas of need, previously worked in CMC or were the best outgoing students of any medical college considering the overall academic performance throughout the period of study.
3. The selection will be based on a Computer-based Step-1 test (see PG bulletin) as well as performance in Step-2 test (assessment of skills and knowledge) and is subject to medical fitness.

REGISTRATION FOR ADMISSION

Those finally selected for admission after interviews and tests will be required to register for the course by paying the stipulated fee and completing other admission formalities. Students should submit their certificates **in original**. Admission to the degree courses will continue to be provisional until approval by the Tamil Nadu Dr. M.G.R. Medical University

FACILITIES AVAILABLE FOR MEDICAL PG TRAINEES

Stipend: All post-graduate medical courses in CMC are in-service training and the post graduate students are paid a stipend which would be approximately Rs. 25,000/- per month at present.

Accommodation: Partly furnished single/shared accommodation is provided for all postgraduate students. Students are required to vacate their accommodation within 2 weeks of finishing their course. Meals can be obtained from the canteen run by the National Y.W.C.A. in the hospital premises. Meals can also be had either from the mess run at the Men Intern's Quarters or Lady Doctor's Hostel or from one of the many hotels in the vicinity of the hospital.

Research activity of each Department: The Christian Medical College supports an active medical research programme. To broaden this experience, the trainee is encouraged to participate in research activities. A Research Methodology course will be conducted for all newly selected postgraduate students. Attendance for this is mandatory. Students can obtain research grants from the CMC Research Committee provided they have attended the research methodology course.

Medical Records Department: In clinical areas, special emphasis is given to medical record keeping. There is a well organised Medical Records Library in the institution as well as a departmental records system. Facilities are provided in these areas for trainees to conduct retrospective case studies from the records. **Recreation:** Facilities for tennis, badminton, basketball, volleyball, football, cricket, hockey and table tennis are available.

Staff/Student Health Clinic: The medical needs of the students and staff of the Christian Medical College are met through the clinic provided for this purpose. **Hepatitis B Vaccination is mandatory for all students.** If the candidate has already been vaccinated elsewhere, the serum antibody titres need to be confirmed by the Staff Students Health Services.



Medical Postgraduate Training Programmes

2.3 POST GRADUATE FELLOWSHIP COURSES

Course Name	Eligibility	Type of Test paper	Duration	No of seats
Accident & Emergency Medicine	MBBS	General or Special Accident & Emergency Medicine	2 years	10
Diabetes	MBBS	General or Special - Diabetes	2 years	2
Family Medicine	MBBS	General	2 years	2
General Dentistry	BDS	Special - Dental	2 years	4
Medical Genetics *	MBBS	General	2 years	1
Palliative Medicine	MBBS/ Diploma/ MD/DNB	General or Special Palliative Medicine	1 year	2

(The number of seats in each course is subject to change)

** Course affiliated to the Tamil Nadu Dr. M.G.R. Medical University*

Post Graduate Fellowship in Accident & Emergency Medicine



This is a two year in-service training for MBBS graduate doctors interested in handling emergencies and early management of trauma. The training experience would be predominantly in the department of Accident & Emergency Medicine, a 45-bedded independent clinical unit which handles about 150 adult emergencies every day. About 20 cases of medico-legally significant trauma are registered daily. This centre is recognised by the WHO as the South-East Asian Regional Training Centre for Emergency Medicine and is presently the largest such department in the country. The curriculum also includes rotations in the various units of the Division of Critical Care Medicine as well as Paediatric Emergency Department.

The Fellowship course is certified by CMC, Vellore. Selected candidates will be paid a consolidated monthly stipend and provided shared accommodation within the CMC Campus, subject to availability. During the tenure, trainees are expected to complete a scientific research project, maintain a log book and qualify in theory and clinical examinations in the first and second years of their training.

Post Graduate Fellowship in Diabetes

Post graduate fellowship in diabetes is a two year course for the MBBS doctors. Please refer course write-up under Post Doctoral Fellowship in Diabetes (Ref to Section 2.5)

Post Graduate Fellowship in Family Medicine

The objective of the Fellowship in Family Medicine is to produce multi-competent clinicians who will be equipped to practice patient-centred medicine and provide initial, continuous, comprehensive and coordinated care for people in the context of their family and community, predominantly in an ambulatory care setting.

It is a two year fulltime residential course and will cover training in the principles of Family Medicine, clinical skills in management of common illnesses and practical skills in medicine, paediatrics, surgery, obstetrics, gynaecology, ENT, dermatology and anaesthesia that is required in Family Practice. There will be an emphasis on communication skills, developing doctor-patient relationship, screening, management of chronic illnesses and common adult and child emergencies, rational drug prescribing, skills in provision of comprehensive care and skills in recognizing red flags for referral.



The fellowship candidate will be part of the Family Medicine department team at CMC, Vellore and will participate in clinical and educational activities. They will be involved in inpatient, outpatient, emergency and home-based care. They will be posted in various secondary care hospitals attached to CMC like CHAD and LCECU, the Shalom Family Medicine Centre and in different departments of the main hospital. Being a residential program, the trainees will do on call duties and get hands on training from different departments.



Post Graduate Fellowship in General Dentistry

General Dentistry is the discipline of dentistry which covers all aspects of the subject and enables the practicing dentist to cater to the needs of most of the patients attending his or her practice. The General Dentist not only needs to be a multi competent practitioner but also needs to know what cases and situations are outside of his/her competency and refer such cases to concerned specialists.

This two year fellowship is aimed at enabling trainees to gain understanding, improve skills and develop attitudes which will benefit them in their later role and career as a practicing general dentist, hospital dentist or dental specialist. The course will cover most of the fields of dentistry avoiding rigid compartmentalization. The focus will be on providing comprehensive and quality care to patients. The clinical and academic training is geared towards achieving this end. Clinical training includes rotation through different sections of the dental department across the year, with emphasis on training in the clinical skills of diagnosis, treatment planning and follow up of patients. Trainees will work in a team under the guidance of specialists and clinical supervisors. Opportunity will also be available for work in individual practice and community settings. Candidates will learn principles of dental management of medically compromised patients in a hospital setting. Trainees will have opportunity to work up patients requiring comprehensive dental care including cross specialty planning and decision making. They will get to assist the oral and maxillofacial surgeons for casualty, ward and theatre duties to obtain skills in hospital dentistry. The program also provides experience in 4 handed dentistry, office safety measures, practice management and electronic records.



dentistry, office safety measures, practice management and electronic records.

Academic training will include small group discussions and didactic lectures. Teaching will be clinical problem oriented and focused on developing self learning, logical skills and decision making. Each trainee will be required

to complete a clinical or management audit during the course. The candidates will maintain log book entries (electronic) of procedures done.

The annual intake for this fellowship is 4 and is open to those who have completed their BDS (Tamil Nadu Dental Council registration required). The selection is through entrance examination and interview.

Post Graduate Fellowship in Medical Genetics (Affiliated to the Tamil Nadu Dr. MGR Medical University)

The post graduate 2 years fellowship course in Medical genetics is offered by the Clinical Genetics Department to those who have completed MBBS. This course will provide basic knowledge about applications of human genetics in clinical practice and research. This course helps students to delve deep into clinical Genetics which will include genetic counselling, clinical rotations, case discussions etc. In brief, the students would go through a broad range of genetic sub-specialties such as neurogenetics, molecular genetics, developmental genetics, immunogenetics, biochemical genetics, cancer genetics, pharmacogenetics, dysmorphology, prenatal diagnosis and genetic counselling. The management of patients involving multiple modalities will also be included in the program. Clinical case discussions, field visits, genetic counselling sessions are other areas where active participation by the student will be incorporated.



Overall the program will provide a strong foundation in all areas of medical genetics with opportunities for laboratory and clinical experience. The student will be involved in research in project work apart from clinical duties.

Post Graduate Fellowship in Palliative Medicine

The Postgraduate Fellowship in Palliative Medicine is a one year fulltime residential course that will cover the clinical, psychosocial and ethical aspects of palliative care as well as teaching and leadership skills. The goal of the



fellowship is to train doctors to learn, incorporate and teach the principles of palliative care, ethics and communication skills in clinical practice. Candidates with M.B.B.S Degree are eligible to apply for the fellowship. Candidates with postgraduate qualifications (diploma/MD/DNB) are also invited to apply. The course will cover subjects such as pain, gastrointestinal, respiratory, ENT and genitourinary symptoms, emergencies, psychiatry, terminal care, chronic oedema and wound care. Communication, professional and management skills, teaching skills, ethics, spirituality, teamwork and models of palliative care are the other subjects covered during the course. Learning opportunities also include academic writing, accessing and using information and clinical guidelines.

The fellowship candidates will be part of the Palliative Care team at CMC, Vellore and will participate in the clinical and educational activities. They will be involved in the work of palliative care clinic, inpatient care, home care. The in-service training will also include on-call duties in the hospital.

Medical Postgraduate Training Programmes
2.4 POST DOCTORAL FELLOWSHIP COURSES

Course	Eligibility	Duration	No. of seats#
Anaesthesia			
Cardiac Anaesthesia*	MD/DNB Anaesthesia	1 year	2
Neuro anaesthesia*		1 year	2
Dental			
Advanced Training in Oral & Maxillofacial Surgery	MDS (Oral & Maxillo - facial Surgery)	2 years	1
ENT			
Audio vestibular Diseases	MS/DNB in ENT	2 years	1
Implantation Otology*			1
Paediatric Otorhinolaryngology*	2 years post MS/DNB in ENT		1
Rhinology			1
Gastrointestinal Sciences			
Advanced Gastrointestinal Endoscopy	DM/DNB in Medical Gastroenterology	1 year	1
Haematology			
Bone Marrow & Stem Cell Transplantation	DM in Clinical Haematology/Medical Oncology	1 year	2
Molecular Haematology	MD/DNB Pathology / PhD in Life Sciences	2 years	1
Medicine			
Clinical Immunology & Rheumatology	MD/DNB General Medicine/Paediatrics	2years	3
Clinical Genetics	MD/DNB General Medicine/ Paediatrics / Obstetrics & Gynaecology	2years	1
Critical Care Medicine	MD/DNB Anaesthesia/General Medicine/ Pulmonary Medicine/Emergency Medicine/ General Surgery	2years	10
Diabetology*	MD General Medicine	1year	2
Geriatric Medicine	MD/DNB Geriatric Medicine, General Medicine, Family Medicine	1year	1
Microbial Medicine and Infectious Control	MD/DNB General Medicine/Paediatrics / Geriatrics/Family Medicine	2 years	2
Obstetrics & Gynaecology			
Gynaec Oncology*	MD/MS/DNB in Obstetrics & Gynaecology	2 years	2
Reproductive Medicine*	MD/MS/DNB Obstetrics & Gynaecology		2
Clinical Embryology	MD/MS/DNB Obstetrics & Gynaecology, Pathology, Microbiology, Physiology, Anatomy		1

Orthopaedics			
Paediatric Orthopaedics*	MS/DNB Orthopaedics	2 years	2
Spinal Disorder Surgery			2
Hand & Reconstructive Microsurgery*	MS/DNB Orthopaedics/ Mch Plastic Surgery	1 year	2
Pathology			
Cytogenetics*	MD/DNB Pathology/Anatomy	2 years	1
Haematopathology ⁺	MD/DNB Pathology	2 years	1
Neuropathology ⁺			1
Laboratory Haematology			2
Paediatrics			
Developmental Paediatrics	MD/DNB Paediatrics	2 years	2
Paediatric Intensive Care			2
Paediatric Nephrology*			2
Psychiatry			
Child & Adolescent Psychiatry ⁺	MD/DNB Psychiatry	2 years	2
Radiology			
Cross Sectional Imaging	MD/DNB.Radiology	1 year	1
Neuro & Vascular Interventional Radiology*			2
Paediatric Radiology			1
Respiratory Medicine			
Allergy, Asthma & Immunology	MD/DNB RespiratoryMedicine/ General Medicine/ Paediatrics	2 years	2
Pulmonology	MD/DNB Respiratory Med/ General Medicine		2
Surgery			
Colorectal Surgery	MS/DNB General Surgery (Plus 2 years experience) /MCh/DNB in GI Surgery	2 years	1
Head & Neck-General, Oral Oncosurgery and Reconstructive Surgery	MS /DNB General Surgery /ENT (<i>minimum</i> 2 years post MS experience in Head and Neck Surgery is mandatory)	2 years	2
Hepato Pancreato Biliary Surgery	MD/DNB in General Surgery	2 years	1
Upper GI & Bariatric Surgery		2 years	1
Phlebology		1 year	1

+ Courses not on offer this academic year

* Courses affiliated to the Tamil Nadu Dr. MGR Medical University

subject to change

Post Doctoral Fellowship In Cardiac Anaesthesia



The Department of Anaesthesia, Christian Medical College, Vellore offers opportunity for those interested in advanced Cardio Thoracic Anaesthesia training. The Cardio Thoracic department does about 1300 surgeries every year which include 250 cases of congenital heart surgeries (TGA, TAPVC, TOF, AP window, DCRV, DORV & ALCAPA), 900 adult cardiac surgeries and about 300 lung surgeries. In addition we do about 300 cases in Cardiac Catheterization labs including device closures and Endo Vascular aneurysm repairs.

One year Fellowship program in Cardiac Anaesthesia is affiliated to The Tamil Nadu Dr. MGR Medical University and is open to those who finished MD or DNB in Anaesthesia. The cases involve training in both adult and paediatric TEE, invasive monitoring including arterial line, Central lines and PA catheters. The trainees will rotate through CTVS operating rooms (adult, thoracic, paediatric), CTVS ICU and Cardiology. During Cardiology posting the candidate will get trained in Transthoracic echo and do both diagnostic and therapeutic catheterization device closure, Primary PCI and Endovascular aneurysm repair of various complexities. Candidate get exposure to thoracic surgery cases like VATS, Lobectomy, Pneumonectomy & Procedures like DLT, bronchial blockers, Fiberoptic bronchoscopy. We do fast tracking of our congenital heart disease cases using ultrasound guided paravertebral blocks. In addition candidate will get trained in ultrasound guided arterial and Central Venous Cannulation. Candidate will be given the opportunity to attend a research methodology course. They are required to do research work, which will be presented in the IACTA conference and be sent to a peer reviewed journal.

Post Doctoral Fellowship In Neuro Anaesthesia



The Department of Anaesthesia, Christian Medical College offers opportunity for those interested in advanced neuroanaesthesiology training. The Neuro sciences department does about 1500 neuro surgical procedures per year with an extensive range of cases which include tumour surgery, seizure Surgery, trans nasal trans-sphenoidal pituitary surgery, intracranial aneurysms and other vascular procedures, spinal instrumentations, neurotrauma, paediatric neurosurgery and awake craniotomy. The neurosciences department is the pioneer in the field of intraoperative neuromonitoring and evoked potential monitoring in India.

The one year fellowship programme in neuroanaesthesiology is open to those who have finished M.D or DNB in Anaesthesiology. The selection process will entail an examination and interview. This course involves training in the state of the art newer techniques of anaesthesia and intraoperative neuro monitoring for neurosurgical procedures. The trainees will rotate through neurosurgery operation theatres and Neuro intensive care and Neuro trauma ICU which has 18 beds. They will be exposed to Neuro radiology and will undergo a short training in intraoperative neuromonitoring. They will have ample opportunity for hands- on training in procedures such as arterial cannulations, ultrasound guided and ECG guided central venous cannulations, fibreoptic and

videolaryngoscopic intubations. They will also be exposed to Trans cranial Doppler and Intracranial pressure monitoring techniques. They will also get an opportunity to train in EEG and depth of anaesthesia monitoring. The trainees will have exposure to anaesthesia for stereotactic procedures, MRI, interventional and other neuroradiological procedures. They will also be trained in anaesthesia for emergency neurosurgery. There will also be opportunity for research and they will be encouraged to publish their work in peer reviewed journals.

Post Doctoral Fellowship in Oral and Maxillo-Facial Surgery

This course was started with the objective of training oral and maxillo-facial surgeons to develop competence in clinical decision making and relevant surgical skills in the environment of a tertiary care centre. The fellowship will involve in-service training at the Department of Dental and Oral Surgery for a period of 2 years. The post will have academic, service and teaching responsibilities in the role of a specialist senior registrar. The candidates will have the opportunity to work not only in dental surgery but also inter-related specialties such as other dental specialties, ENT, Plastic Surgery, Head and Neck surgical Oncology, Radiotherapy, Anaesthesia, Intensive care and Emergency Medicine.

The training will be through a process of clinical mentoring and apprenticeship. The trainee will maintain a log book of work in the department. There will be periodic assessments of skills in diagnosis and treatment planning. Academic activities such as journal reviews, clinical meetings and publications will be encouraged. Training includes documentation in electronic databases and maintenance of case files for presentation of comprehensive clinical management. Clinical research through audit of maxillofacial database will be required.

Post Doctoral Fellowship in Audio vestibular diseases

Audio vestibular sciences is an upcoming ENT specialty concerned with the clinical evaluation, investigation, diagnosis and management of adults and children with disorders of balance, hearing, tinnitus and auditory communication, including speech and language disorders in children.

Aim of the training program

This post doctoral fellowship program will be the first of its kind in India and is aimed at delivering the broadest spectrum of clinical training in audio vestibular specialty to deal effectively with hearing and balance problems in adult and paediatric age groups. The purpose of the training program is to provide a holistic approach to clinical care and research in audio vestibular conditions.

Specific objectives: Will be aimed at capacity building of the trainee's skills in clinical science, research & teaching

Course Structure: This is a full-time in-service training where the trainee will be exposed to clinical cases, diagnostic tests and will actively participate in interventional procedures, surgeries and programs. The trainee is expected to complete a scientific research project prior to the completion of the course.

Post Doctoral Fellowship in Implantation Otology

Otology sub-specialty is a branch of ENT concerned with the prevention, investigation, diagnosis and management of adults and children with ear disease and disorders of hearing. As the field of ENT is expanding rapidly it has become necessary to sub-specialize to address these needs. This post-doctoral fellowship program in Otology is currently not available in many centres in India, though this is a well- recognized subspecialty of ENT in developed countries. It is aimed to deliver specialized clinical training in Otology by training the young ENT surgeons to deal with ontological problems effectively in our country. The purpose of the training program is to provide a holistic approach to patient care and research in this aspect of ENT.

The ENT Department at CMCH has postgraduate programs running since several decades. There are eighteen full time faculty and we have an intake of eight postgraduate trainees per year, in our department. The department caters for more than 70,000 patients a year with various ear nose and throat problems. We do more than 1300 ear operations and five to ten Cochlear Implants per year.

We have a well-established Audiology department for pre-op evaluation and post-op habilitation. At present we have five units in ENT, with subspecialty interest in 'Head & Neck', 'Paediatric Otolaryngology', 'Rhinology & Anterior Skull Base', 'Otology – Neurotology - Implant Otology' & Laryngology, Voice and Speech Disorders'. The Fellow would benefit from the wide exposure in the department in gaining adequate knowledge and skills in "Otology". It will be a two year program. First year would be pre-training and the second year would be registered with MGR Medical University, at the end of which the 'Fellowship in Implant Otology' would be awarded to the candidate.

Post Doctoral Fellowship in Paediatric Otolaryngology

Paediatric Otolaryngology is a main branch of ENT. Paediatric otolaryngology fellowship program is aimed to provide advanced training in paediatric otolaryngology. Most of children with ENT disease receive care by General Otolaryngologists. It has also been noted that paediatric ENT disorders constitute 25% -30% of all pathological ENT conditions. These are often diagnosed late, reasons being various, including lack of clinical skill of the Otolaryngologist and application of newer diagnostic tools. Otolaryngology residency programs can provide training in paediatric otolaryngological diseases, only to a certain level, and not advanced training, within the existing setup in most of the teaching centres. Department of ENT at CMC has a busy outpatient service, catering for more than 70,000 patients a year, of which more than one fourth are children. We do complex surgeries for children under the paediatric division of ENT. Therefore, this paediatric otolaryngology fellowship program in CMC is aimed to provide advanced training in paediatric otolaryngology. This Fellowship program, presently, is not available elsewhere in India. CMC would be the first to offer this program.

It would be a TWO year program, run by department of ENT, Head & Neck Surgery, Speech and Hearing at Christian Medical College and Hospital, Vellore, India. First year would be pre-training and the second year would be registered with MGR Medical University, at the end of which the 'Fellowship in Paediatric Otolaryngology' would be awarded to the candidate.

Post Doctoral Fellowship in Rhinology



The ENT Department is offering a Post-doctoral Rhinology Fellowship to provide candidates with a broad experience in surgical and evaluative Rhinology. The aim of the course is to train dedicated, skilled rhinologists to improve current standards of patient care in the field of Rhinology. Rhinology is an area of ENT that involves the study of diseases of the nose and paranasal sinuses as well as adjacent areas like the anterior skull base and nasopharynx. Currently, the basic M.S. degree does not provide a doctor who wishes to specialize in the management of rhinological diseases sufficient experience in independently handling the entire gamut of cases. Specialised training is required in the evaluation and surgical management of both simple and complex rhinological diseases using modern techniques.

The past two decades have witnessed tremendous advances in the field of Rhinology. The advances in endoscopic sinus surgery aided by introduction of newer technologies like image guidance system, powered

instrumentation and angled scopes and improvised angled instruments have enabled easier access to difficult to reach areas which previously required complex open procedures with much more morbidity. Advances in the evaluation and management of sinonasal allergy, invasive fungal sinusitis, vascular tumours of the nasopharynx and benign and malignant sinonasal neoplasms have greatly improved patient outcomes. The candidate will be exposed to all the s e a d v a n c e d techniques. The course aims to familiarise the candidate w ith diagnostic nasal endoscopy and provide hands-on training in handling common rhinological p roblems. T he candidate will also be expected to perform lab work, organize Pathology and Radiology meetings, attend to inpatient consultations, attend Rhinology emergencies, make regular oral presentations, work on a thesis project and write up papers for publication. There will be an exit examination in theory and practical.

Post Doctoral Fellowship in Advanced Gastrointestinal Endoscopy

The advanced Gastrointestinal Endoscopy Fellowship is designed to provide comprehensive training and acquisition of skills in diagnostic and therapeutic endoscopy procedures. The course will help in integration of endoscopy in diagnosis and management of gastrointestinal and hepatobiliary disorders. The course is meant for a person who is already well versed in basic endoscopic procedures.



1. On completing the course, the Gastrointestinal Endoscopy fellow will have had comprehensive training in diagnostic and therapeutic endoscopy procedures, develop ability to work as part of a multidisciplinary team and will have appreciation of humanistic and ethical aspects of medicine.
2. Understanding basic physics and principles of Endoscopy
3. Understanding principles, techniques and complications of conscious sedation / analgesia
4. Acquiring technical skills in performing diagnosis and therapeutic ERCP, Endoscopic ultrasound, balloon assisted enteroscopy, interpreting findings as well as recognizing and treating complications.
5. Performing and interpreting esophageal and ano-rectal manometry
6. Performing and interpreting Video Capsule Endoscopy and ambulatory pH-metry
7. Performing and interpreting hydrogen breath test
8. Acquiring knowledge of reprocessing and maintenance of endoscopes and accessories

Course starts on Sept 15th every year

Post Doctoral Fellowship in Bone Marrow and Stem Cell Transplantation

Stem cell transplantation is a component of the super-specialty training in both Clinical Hematology and Medical Oncology. However, the field has advanced significantly and it is increasingly recognized that for those who intend on continuing to do stem cell transplants after their training are inadequately equipped with the existing training programs. It is widely recognized that an additional two years of training and experience is required to make post doctoral candidates competent to carry out stem cell transplantation independently.



At the department of Haematology, Christian Medical College we have had a stem cell transplant program since 1986. We are currently the largest stem cell transplant program in the country and do about 100 allogeneic and 40

autologous stem cell transplants a year. The support systems and personnel for this program are well established. The fellowship program will encompass all aspects of stem cell transplant, from disease specific risk benefit assessment, optimizing conditioning and GVHD prophylaxis regimens, management of infections, apheresis and cryopreservation, molecular, blood bank and laboratory training relevant to this field with significant hands on experience and research opportunities. There will be significant experience gained in the management of acute and chronic complications post transplantation. At the end of this training period the candidate will be able to independently run a large transplant program. It is our endeavor to ensure that our students succeed and towards this we maintain our mentorship with logistic and continuing training programs even after the course is completed. Considering the current requirements in this country and the lack of trained physicians in this field, we are confident that at the end of this training program there will be no dearth of opportunities for the candidate to continue work in this area.

Post Doctoral Fellowship in Molecular Haematology

This course is designed to provide a foundation in molecular genetics of haematological disorders. Basic concepts and principles are covered in the theory component. The laboratory component focuses on techniques integral to current developments in molecular genetics. The fellows spend the first year predominantly in training and a second research year in which they undertake a project under the supervision of a mentor. Suitable candidates may get an opportunity to register for Ph.D after successful completion of the course.

OBJECTIVES

- The ability to supervise and direct the operations of a clinical molecular diagnostic laboratory
- Technical experience and knowledge in quality control and quality assurance procedures
- Broad knowledge of basic molecular biology and genetics
- Application of DNA techniques in the diagnosis of inherited and acquired haematological disorders
- Ability to perform a variety of molecular diagnostic assays
- An understanding of the heterogeneity, variability, and natural history of haematological disorders
- Diagnostic and interpretive skills in a wide range of clinical molecular genetics
- Ability to develop hypothesis and develop experiments in a research project

Post Doctoral Fellowship in Clinical Immunology and Rheumatology

Department of Clinical Immunology and Rheumatology provides consultation for over 36,000 outpatients every year. The case mix covers the entire gamut of systemic autoimmune rheumatic diseases in our country including those with SLE, Sjogren's syndrome, Overlap Connective tissue diseases, Vasculitic disorders, apart from Rheumatoid arthritis, Spondyloarthritis, etc.

There are inpatients, interdepartmental consultations and procedures like intra-articular injections, pulse therapy, biological therapy, salivary gland/muscle and nerve biopsy done every day in large numbers. The Institution has excellent infrastructure for investigations (both immunological & radiological). The department has musculoskeletal sonography and the trainee will have an exposure to it. Shortly our extremity MRI will also be installed. Trainees are also posted in the laboratory to understand the principles, steps and get a first hand feel of the tests.

Post Doctoral Fellowship in Clinical Genetics

Clinical Genetics is a relatively new branch of Medicine which caters to the diagnosis, management and genetic counselling of inherited disorders caused by single gene defects, chromosomal disorders, inborn errors of metabolism (IEM), mitochondrial gene defects, dysmorphic syndromes, birth defects and familial multifactorial diseases.

The Unit sees patients under outpatient clinic under the Medical Genetics Clinic on two days, Multispecialty clinic on three days and Genetic Counselling on all working days. Regular clinics are held for intellectual disabilities with or without dysmorphism, childhood and adult inherited disorders, preconceptional genetic counselling and prenatal diagnosis. The multispecialty clinics are held in areas of perinatal medicine, neuromuscular genetic disorders and genodermatosis disorders. Interdepartmental consultations are seen every day with wide range of referred cases. The Unit works actively with the Obstetric division of Obstetrics & Gynaecology and Neonatology departments in the areas of antenatal and postnatal detection and management of fetal anomalies. The Unit has a molecular laboratory where diagnostic (including prenatal diagnosis) and research work is carried out. The Unit is involved in analysing novel variants detected in the genome which has implications in diagnosis as well as individualized management. The Unit has regular interdepartmental meetings as well as departmental seminars, journal clubs and case presentations. Telemedicine case discussion and seminars are held regularly with five reputed Medical Genetics Centres in the country. The Unit holds regular CMEs in the field of Clinical Genetics and Dysmorphism.



A post doctoral fellowship for 2 years will provide ample opportunities for training in clinical and research aspects in Clinical Genetics. Those who have completed the MD/DNB in Medicine, Paediatrics and Obstetrics & Gynaecology are eligible. The selection process will consist of an entrance examination followed by interview for short listed candidates. The annual intake will be 1 candidate per year.

Post Doctoral Fellowship in Critical Care Medicine

Critical Care Medicine (also known as Intensive Care) is a relatively young specialty in Medicine. It is a hybrid specialty blending the knowledge and skills of internal medicine, respiratory medicine and anaesthesiology. In critical care, patients with life threatening illness resulting in organ failure are supported by artificial means (oxygen, ventilator support, inotropes, and dialysis) till they recover or succumb to their illness. The demand for



Critical Care has been rising and is likely to do so in the near future because of increasing age of the Indian population, multiple co-morbidities, increasing road trauma and the increase in invasive interventions. It is well documented that trained intensivists improve outcome of critically ill patients admitted in the ICU. Intensive Care is short of trained personnel to meet the demand. The Fellowship Course in Critical Care at the Christian Medical College is designed to fill the need for intensivists. It is a two year course with postings in Medical, Surgical, Neurology/Neurosurgery and Paediatric ICUs. In addition there are postings in Radiology, Echocardiography, Dialysis and other areas which are essential for the

management of these patients. The training is an in-service training programme which ensures adequate exposure to all types of critical illness and their management. The skills needed in the care of critically ill patients are acquired during the training period. These skills include not only manual skills but also the "soft skills" - the invaluable experience of communicating to grieving and anxious families and of working as an intensive care team. The candidates are encouraged to write the exam of the Indian Society of Critical Care Medicine during the course. At the end of the course, there will be an exit exam conducted by the Christian Medical College, Vellore.

Post Doctoral Fellowship in Diabetology

Post Doctoral Fellowship in Diabetology is a one year course which is recognized by the Tamil Nadu Dr. MGR Medical University. The department of Endocrinology, Diabetes and Metabolism of CMC Vellore has intensified its activities in clinical spheres, training and research for the past 9 years and is now considered to be one of the key leaders in training and research in diabetes in India. The clinical environment, management tools and research areas have grown to a large extent. There has been considerable experience with in-service training involving theoretical lectures, hands on experience with patients, device training involving glucometers, insulin pumps and continuous glucose monitoring systems. In addition, the World Diabetes Foundation had given CMC, Vellore the opportunity to start short courses for doctors and educators for more than 100 hospitals across India, whereby the training program has evolved and course material and a book have been developed.

The collaborative work in combination with Karolinska, Albert Einstein Medical College (New York) and Copenhagen University gives the post graduates an opportunity to further develop skills in the field of research and rub shoulders with the best in the world in the field of diabetes research. The holistic approach towards diabetes (as it always should be) is maintained in that the most approachable and always available backup of the clinical biochemistry laboratory, surgical departments, the diabetes nurse educators, dieticians and Physical Medicine and Rehabilitation are excellent and give support services and training expertise in handling diabetes.

The unique few workshops include an integrated diabetes foot clinic, managed by the endocrinologist, PMR physician, vascular surgeon, physiotherapist and orthotist. Discussion here not only involves nursing a healing ulcer, but includes strategies to ensure prevention from recurrences and/or non-healing. The adult young diabetes clinic is an inspirational platform, an example to all others. It allows one to approach an individual with type 1 diabetes, with near normal sugars, utilization of continuous monitoring systems and insulin pumps and to further empower them to disallow the excuse of having diabetes. Improving outcomes of mothers with diabetes during gestation is also another arm of this clinic. The Retina clinic, ensures that the professional opinion of an ophthalmologist is easily available- to manage one of the most distressing complications of diabetes. The department has a state of the art molecular laboratory which focuses on the genetics of diabetes, especially in the areas of Beta cell secretion and Insulin resistance. A number of ventures - Field work and outreach projects are currently in progress on many aspects, including improvement of social awareness of diabetes in the entire community, especially schools. Another venture is in connection with the "Forty two year old Vellore birth cohort".

The state of the art research in the field - "CLAMP" studies, determining various aspects of insulin resistance, was initiated in India for the very first time by the department of Endocrinology, Diabetes and Metabolism, CMC Vellore.

Post Doctoral Fellowship in Geriatric Medicine

The Geriatric Medicine Fellowship course is offered to doctors who have completed an MD or DNB in Geriatric Medicine, General Medicine or Family Medicine. The course is a one year program with a 9 month posting in Geriatric Medicine and 3 months in related specialities. At the end of the program candidates would have an extensive exposure to outpatient and inpatient management of Geriatrics, geriatric consultations from other specialities and an exposure to rehabilitation and psychiatry.

Post Doctoral Fellowship in Microbial Medicine & Infectious Control

The Division of Infectious Diseases (ID) hopes to bridge the tremendous gap in subspecialty training in infectious diseases in India. Although patients with infections are seen by all physicians, ID specialists are needed for optimal handling of many of these conditions, especially when dealing with complex infectious diseases. Several



studies have shown the impact of ID specialist care in improving patient outcomes, optimizing antibiotic treatment, reduction in incidence of antimicrobial resistance and the risk of nosocomial infections caused by resistant bacteria. Unfortunately, despite the tremendous need, subspecialty training in ID has not been available in the country till recently.

The overall goal of the Fellowship is to train specialists and future faculty in academic Infectious Diseases. The Fellowship is a comprehensive two-year training programme leading to certification

from the Christian Medical College, Vellore and Tamil Nadu Dr. MGR Medical University. The training programme will ensure that fellows acquire and demonstrate the necessary factual knowledge, skills (clinical and procedural) and attitudes that characterize the practice of ID. It will provide rigorous training and supervised experience with faculty of broad clinical expertise, at a level sufficient for the fellow to acquire outstanding skills as a specialist in infectious diseases. Like all other post-graduate training programmes in CMC, the emphasis will be on "in-service training". This experiential learning will provide opportunities to manage patients with a wide variety of infectious diseases in both the ambulatory and in-patient setting.

Post Doctoral Fellowship in Gynaec Oncology

This course aims to produce competent subspecialists who recognize the health needs of India and carry out their professional obligations in an ethical and competent manner. After a fellowship in gynaecologic oncology the trainee would have mastered the knowledge and skills to manage women with genital cancers and will be aware of the contemporary developments in gynaecologic oncology. The major components of the training will be:

- Theoretical knowledge in the basic and applied science of gynaecologic oncology
- Practical and clinical skills in the management of patients with gynaecologic cancers
- Research methodology, thesis submission and scientific publication
- Attitudes, communication skills and patient counseling

Peripheral postings in the first year will be in Epidemiology & Biostatistics, Anatomy & Pathology, Surgical ICU, Palliative Care and Radiation Oncology. During the second year, clinical postings will be: one month in Urology, two months in colorectal surgery and nine months in Gynaecologic Oncology.

Post Doctoral Fellowship in Reproductive Medicine

The fellowship Programme in reproductive medicine is a two year course involving training in infertility management, fertility related surgery (open/endoscopic) and assisted reproductive technology (ART). The course will provide detailed training in reproductive biology and will include experience in the necessary practical skills.

Although training will be predominantly in the reproductive medicine unit, exposure in allied specialties like Endocrinology, Urology and Clinical Genetics will be provided. Candidates will also receive training in the IVF laboratory, as an understanding of the various laboratory procedures carried out is essential. Candidates will receive adequate exposure in research methodology and basic statistics, enabling them to complete a scientific project / thesis. Trainees will be encouraged to attend scientific meets / conferences to present their research work. An understanding of the social and ethical aspects of IVF technology will be part of the programme.



Weekly teaching programmes include journal club, paper presentations and ward rounds. Maintenance of a logbook will ensure involvement of surgical procedures. Candidates will work as post doctoral trainees with remuneration and accommodation as per rules of the institution. A formal exit exam consisting of both theory and practical will be conducted at the end of the course. After completing the course, post doctoral fellows will be able to independently run an advanced infertility unit handling all assisted reproductive technology related procedures and perform level II fertility related endoscopic surgery. After completing the course, a fellowship certificate will be awarded by the Christian Medical College.

Post Doctoral Fellowship in Clinical Embryology



This two year fellowship programme in Clinical Embryology is being offered by the Reproductive Medicine Unit. The in-vitro fertilization laboratory will be the main work area and candidates will receive training in reproductive biology with exposure to the various practical skills currently in use. They will learn to understand human gamete biology (including Andrology) and will be required to achieve competence in procedures like in- vitro fertilization, intracytoplasmic sperm injection and cryo-preservation techniques for gametes and embryos. Candidates will receive adequate

exposure in research methodology and basic statistics, enabling them to submit a thesis which will be expected to contribute significantly to the field of reproductive medicine. Trainees will be encouraged to attend scientific meets/ conferences to present their research work. An understanding of the social and ethical aspects of IVF technology will be part of the programme. The teaching programme will include weekly paper presentations and journal club. A log book will be maintained to ensure practical involvement.

Internal assessment will be made at the end of the first year while the exit exam will be conducted at the end of two years. At the end of the training period the post doctoral fellow will be able to take a central role in setting up and managing an IVF laboratory, conduct effective quality assurance programmes and trouble shoot when required. Candidates will work as post graduate trainees with remuneration and accommodation as per rules of the institution. After completing the course, a fellowship certificate will be awarded by the Christian Medical College.

Post Doctoral Fellowship in Paediatric Orthopaedics

CMC is currently the only academic institution to have a separate Paediatric Orthopaedic Unit offering a Post Doctoral Fellowship Course in Paediatric Orthopaedics. The unit caters to about 15000 out patients and 1200 inpatients. Over 1500 surgeries and 300 day care surgeries are performed a year. The conditions managed by the unit are varied and include trauma, limb deficiencies, cerebral palsy, congenital abnormalities, dysplasias, tumours and neuromuscular diseases. Specialized multi-specialty clinics are held weekly for children with cerebral palsy, tumours, club foot and skeletal dysplasia.

The surgical skills in addition to basic paediatric surgical training, includes use of fine power instruments, latest in implants, custom made tumor prosthesis and operating microscope. Facility for research is immense and this includes animal lab and stem cell research facility. There are a number of ongoing internal and external (national and international) funded research projects. The fellows are encouraged to do research and a dissertation is mandatory for the course.

Post Doctoral Fellowship in Spinal Disorder Surgery

The Spinal Disorders Surgery Unit has been functioning now for nearly 20 years, initially as a sub-specialty under Orthopaedic Surgery Unit I and more recently as an independent sub-unit. Over 5000 spinal surgeries have been carried out since its inception, and nearly 5000 new patients with spinal symptoms are seen in the outpatient department annually. These include a spectrum of infective, degenerative, traumatic, neoplastic, developmental deformities and disc related conditions. Over 500 spinal surgeries are carried out every year. There are 4 consultants (including 2 professors, 1 associate professor, and 1 assistant professor) apart from post-doctoral fellows and orthopaedic postgraduate residents in the unit. In addition to well-equipped operating rooms, there are excellent support facilities. The radiology imaging facilities include CT (2 machines) MRI (3 machines), digital subtraction angiography. The anaesthesia department provides able support through its Surgical ICU, High Dependency Unit and post operative care facilities. All varieties of spinal instrumentations and implants are available and used based on the requirements of the individual patient.

A system of documentation of all major cases is in place along with an audit of adverse events and A system of documentation of all major cases is in place along with an audit of adverse events and post operative complications. The teaching programme includes regular outpatient and pre operative (bed side) teaching and planning. Paper presentation and journal reading by the post graduate trainees and post-doctoral fellows is a regular feature. The staff and fellows are actively involved in scientific studies towards presentation at conferences and publication in peer reviewed journals.

The 2 year Spinal Fellowship course is tailored to train Orthopaedic surgeons with a passion for spinal surgery in all modalities of spinal care. This includes clinical examination and diagnosis, investigations, planning of surgery, execution of various surgical procedures, post operative care and rehabilitation. The fellow will be assigned responsibility in the emergency department, outpatient services and wards. They will participate in a variety of spinal surgeries and will be trained in the basics of various instrumentation techniques. They need to maintain a surgical log book and complete post doctoral dissertation. Fellows will be encouraged to present scientific papers at regional and national spinal conferences.

Post Doctoral Fellowship in Cytogenetics

This is an in-service training programme in a diagnostic cytogenetics service. This fellowship will be certified by the Christian Medical College, Vellore.

Cytogenetics is the study of chromosomes. Chromosomal abnormalities are an important cause of genetic disease and may be seen in a variety of conditions such as mental retardation, dysmorphism and abnormal development, disordered sexual development, recurrent abortions, infertility and cancer. In many cancers, especially leukemias, identification of chromosomal abnormalities is essential for making a diagnosis, planning specific treatment and determining prognosis. Cytogenetic analysis is also an important component of prenatal diagnosis.

Fellows will therefore be actively involved in all aspects of tissue processing including cell culture, harvesting, and analysis of chromosomes by light and fluorescence microscopy. The laboratory handles samples from peripheral blood, bone marrow, amniotic fluid, chorionic villus, products of conception, tumours and skin for conventional cytogenetic as well as fluorescence in situ hybridization (FISH) analysis. Cytogenetic testing for chromosome breakage syndromes is also performed. In addition, there will be exposure to basic molecular genetic techniques such as DNA extraction, polymerase chain reaction (PCR) methods and flow cytometry. Fellows will also participate in the teaching programme for student technicians.

The candidate will have to undergo an evaluation at the end of the programme. Upon completion of the course, fellows will be familiar with the morphology of normal and abnormal chromosomes and cytogenetic nomenclature, be able to process specimens, handle equipment and trouble-shoot when necessary in order to run a diagnostic cytogenetics service ably.

Post Doctoral Fellowship in Haematopathology

The two year Postdoctoral Fellowship training in Haematopathology involves wide exposure to evaluation of benign and malignant haematolymphoid disorders involving blood, bone marrow, lymph nodes, spleen and other tissues. Morphologic features, laboratory testing and ancillary immunophenotypic, molecular and cytogenetic findings all have a role in the diagnosis of haematopathologic processes and require the integration of various diagnostic techniques and ancillary studies. As a result, haematopathology represents a significant discipline to master, whether in an academic or private practice setting. Interpretation and understanding of the tools used in diagnostic haematopathology are essential to the correct diagnosis of haematolymphoid diseases, monitoring responses to therapy, and prediction of prognosis.

This course involves training aimed at developing competence in the diagnosis of diseases of the blood, bone marrow, lymph node and extra nodal sites involved by haematolymphoid malignancies. The candidates will also get exposure to ancillary techniques like immunohistochemistry, flow cytometry, cytogenetics and molecular techniques that apply to haematology.

The candidate will take part in all MDT meetings and also in regular pathology academic sessions. He/She will also sign out reports after getting adequate training. The candidate will also present at national conferences and be involved in haematopathology research in the department. There will be an examination at the end of two years.

Post Doctoral Fellowship in Neuropathology

The Fellowship Programme in Neuropathology provides two years of intensive in-service training in neuropathology. The programme emphasizes the development of diagnostic skills and the ability to synthesize clinico-pathological correlations. As a trainee in this programme, one will:

1. Develop skills in diagnostic neuropathology of surgical and autopsy cases.
2. Interpret lesions by light and electron microscopy and immunohistochemistry.
3. Receive training in muscle enzyme histochemistry, electron microscopy, immunohistochemistry and molecular diagnostic techniques.

There is a large volume of neurosurgical specimens, about 2000 per year. This includes brain and spinal cord tumors, skeletal muscle biopsies and peripheral nerve biopsies. Fellows will examine all specimens and sign out with an attending physician. During the programme, fellows will develop and maintain close relationships with neurology, neurosurgery and neuroradiology services.

The balance of clinical and research activities for each fellow will be based on the individual's previous training and their development of diagnostic skills. The research opportunities will include participation in active studies of neuro-oncology, and neuromuscular disorders. The fellow will also be involved in planning and participating in departmental and interdepartmental conferences and in teaching. The fellow will be evaluated periodically throughout the entire programme, maintain a log book and have a formal exit exam at the end of the programme.

The fellowship will be certified by the Christian Medical College, Vellore.

Post Doctoral Fellowship in Laboratory Haematology

The two year post-doctoral fellowship in laboratory haematology is intended to equip a Pathologist to provide high quality patient care services. As a laboratory that offers support to a wide variety of clinical services ranging from neonatology to transplant haematology, there will be excellent training opportunities via exposure to a wide spectrum of clinical disorders and the role of the laboratory in providing diagnostic services. Besides analysis of peripheral blood and bone marrow, haemostasis and relevant practice of transfusion medicine and immunogenetics, the candidate will also rotate through other related specialties like anatomic pathology and molecular haematology.

There will be exposure to laboratory management including quality systems and automation. Besides routine lab haematology services, diagnosis and classification of haematological malignancies based on peripheral blood and bone marrow studies forms a significant part of the training which is augmented by training on immunophenotyping by flowcytometer, molecular typing and karyotyping. Training will also help familiarize with tools to characterize haemoglobinopathies and red cell disorders.

The special haemostasis lab caters to the diagnostic and therapeutic monitoring of patients with rare and common coagulation, platelet and thrombotic disorders. With more than 25000 blood donations a year and various types of blood components production, the candidate will also have opportunities to train in donor management as well as rational blood use based on guidelines. There will be an exit exam at the end of two years.

Post Doctoral Fellowship In Developmental Paediatrics

The Developmental Paediatrics Unit, under the Department of Paediatrics is the first of its kind in the country and is dedicated to looking after children with Developmental needs. The Unit has a multi-disciplinary team which comprises Developmental Paediatricians, Psychologists, Occupational therapists, Early Interventionists, Speech Language Pathologists, Nurses and Special educators. Research is a vital component of the activities of the Unit. In addition to the multi-disciplinary team, the Unit works very closely with departments of Pediatric Neurology, Genetics, Pediatric ENT, Pediatric Orthopedics, Pediatric Ophthalmology, Child Psychiatry, Physical medicine and Rehabilitation, Neonatology and Paediatrics in providing a multi-specialty support to child with developmental needs.



Need for this Fellowship Program:

The specialty of Developmental Paediatrics is an emerging field and is of vital importance. It has been estimated that nearly 10% of children born in the country are likely to have a developmental need during their childhood. This fellowship programme is thus an effort to equip Paediatricians in clinical skills of diagnosis, neuro-developmental assessment, interventions for promoting development and learning in childhood and in modifying the environment to optimize child's potential.

Course Plan

This will be a two year residential course offered in a modular format with specific learning objectives and regular assignments. There will be interim and final assessments, which will be both written and clinical. The fellows are also expected to do a dissertation during their period of training.

Learning content

The learning modules will cover the following core disciplines:

- Developmental Neurology
- Developmental Morphology
- Developmental Physiology
- Developmental Psychology
- Developmental Therapy

There will be emphasis on skills in communication, counselling, debriefing, personal development, and epidemiology of developmental disorders in India.

Post Doctoral Fellowship in Paediatric Intensive Care

The Pediatric Intensive Care Unit (PICU) of Christian Medical College, Vellore is an accredited centre of training for the Pediatric Critical Care Council - a joint body of the Indian Academy of Pediatrics (IAP) and the Pediatric Section of the Indian Society of Critical Care Medicine (ISCCM). The PICU is an 11-bedded unit with about 1200 admissions per year. This unit provides advanced intensive care including conventional ventilation, high frequency oscillatory ventilation, and renal replacement therapy and is also equipped with invasive monitoring for all the beds. While majority of our patients have acute medical illness, 25% are surgical patients including trauma victims.

These courses ensure adequate exposure to achieve clinical excellence in the management of critically ill children by providing a combination of cognitive knowledge, clinical and hands-on training in procedural skills.



Post Doctoral Fellowship in Paediatric Nephrology



During recent years there is an increasing demand for specialized care of children with kidney diseases. The goal of this course is to provide training in Pediatric Nephrology to Pediatricians to enable them to provide medical care to infants and children with renal and genitourinary disorders. During training, a satisfactory degree of expertise will be obtained in both inpatient and outpatient environments regarding the etiology, clinical features and diagnosis of congenital and acquired renal diseases and their appropriate investigation by imaging tests of function and histology. The trainee will acquire skills for the performance and interpretation of urinalysis, renal biopsy, renal imaging (including ultrasound) and basic tests of

glomerular and tubular function. The trainee will acquire skills for application of peritoneal dialysis and related

Post Doctoral Fellowship in Child and Adolescent Psychiatry

Child and adolescent psychiatry is a relatively new branch and the fellowship is a two year full time, intensive, in-service program designed to prepare specialists in the required clinical, research and managerial skills in the discipline. The goal is to train psychiatrists in the diagnosis and bio- psychosocial management of children & adolescents with psychiatric disorders as well as developmental disorders with mental health concerns. It helps psychiatrists to recognize the importance of child and adolescent psychiatry in the context of health needs of the community and national priorities. It enables them to practice the specialty ethically and in step with the principles of contemporary health care and function as an effective leader of a health team engaged in health care, research or training.

Although the experiential learning will predominantly be in the child and adolescent psychiatry unit, exposure in allied specialties like paediatric neurology, developmental paediatrics, paediatric endocrinology, paediatric oncology, community paediatrics as well as physical medicine and rehabilitation is part of the training. These rotations will enhance the trainees understanding of various physical illnesses that can present with psychiatric manifestations and the mental health needs of various physical illnesses among children and adolescents.

The institution as well as the child and adolescent psychiatry unit is one of the few centres in the country with excellent infrastructure for biological, psychological and family related investigations, assessments and management. Academic sessions like grand rounds, seminars, journal clubs, case presentations, and interdepartmental clinical meetings are conducted every week as part of the teaching methods. In addition to the clinical work, candidates will receive adequate exposure to research methodology, basic statistics and paper writing skills to enable publishing their completed projects. Fellows will be encouraged to attend scientific meets and present their works. Candidates will work as post-doctoral trainees with remuneration and accommodation as per institutional rules. A formal exit exam consisting of both theory and clinical will be conducted at the end of the course. After completing the course the post doctoral fellowship will be awarded by the Christian Medical College. techniques, together with peritoneal and vascular access for acute and chronic problems. The trainee will also acquire knowledge of the indications and management of surgical interventions in the urinary tract. He will have an insight to the therapy for end stage renal disease viz Hemodialysis, CAPD and Renal Transplant. The student will be competent and confident to manage most clinical conditions on completion of the course.

Post Doctoral Fellowships in Radiology



Significant advances in imaging and intervention have taken place during the last decade, making it difficult to complete thorough training in all modalities, as well as different subspecialties during the post graduate Radiology course. A candidate with experience after post graduate qualification will be given preference.

The *Cross-Sectional Imaging Fellowship* gives the candidate experience in vascular doppler, mammography, specialty-specific CT (primarily body imaging) and MRI (including neuroradiology, abdominal, musculoskeletal, and cardiac) reporting.

The *Interventional and Vascular Imaging Fellowship* gives the candidate training including hands-on experience in performing diagnostic procedures (USG and CT guided), interventional procedures (vascular and non-

vascular), and interpreting related studies such as CT Angiography, MR Angiography and performing Doppler. This course is accredited by the Tamil Nadu Dr. MGR Medical University.

The **Paediatric Radiology Fellowship** gives the candidate significant imaging exposure to all subspecialties within Paediatrics like Paediatric Orthopedics, Oncology, Endocrinology, Neonatology, ICU and ENT. Curriculum and academic support from the Sick Kids Hospital, Toronto gives added strength to the program.

The Radiology Department at CMC has equipment and experienced staff covering all modalities and specialties. In addition to conventional X-ray machines and 11 ultrasound scanners, the department is equipped with 3 MR scanners (2x 1.5 and 3 Tesla), 3 CT scanners, 10 ultrasound rooms, a mammography unit and a DSA unit. The department has facilities for self learning as well. In 2009- 10 (Apr-Mar), 522398 studies were performed, including more than 1821 angiographic studies and procedures, 29448 CT scans, 21461 MRI scans and 4757 guided procedures. The large workload gives the candidate the necessary experience to gain confidence in different modalities.

All fellows are encouraged to do a project, attend a national conference and submit at least one publication. Daily department teaching programmes include journal club, paper presentations and film reading sessions.

Maintenance of a logbook is mandatory. Candidates will work as post doctoral trainees with remuneration and accommodation as per the rules of the institution. A formal exit exam consisting of both theory and practical will be conducted at the end of the course. After completing the course, a fellowship certificate will be awarded by the institution.

Post Doctoral Fellowship in Allergy, Asthma and Immunology

The fellowship programme in allergy and immunology is designed to prepare specialists to provide expert medical care for patients with allergic and immunologic disorders. The fellows are expected to acquire skills to work as consultants in teaching institutions and academic respiratory practices. While fellows should develop specific competencies primarily in the care of adult patients, they would also get exposure to the management of paediatric patients.

Course content:

The training will run parallel with the pulmonology programme, covering patient care activities, a range of departmental academic and inter departmental meetings, journal club, teaching of undergraduates and research. It would be mandatory to perform a research project and prepare a thesis, as well as write up one case report for publication, for successful completion of the programme. The lab skills taught will include spirometric pulmonary function tests, bronchoprovocation test, allergen skin test and immunotherapy. The fellows will be posted in paediatrics, ENT, dermatology, rheumatology and the critical care units and the immunology lab. The trainees will be permitted to attend lectures and practical session under the supervision of external (national and international) faculty, along with the distance education trainees and concurrently qualify for the diploma in allergy and asthma (DAA).

Post Doctoral Fellowship in Pulmonology

The fellowship programme in Pulmonology is designed to equip specialists to provide expert care for patients with the whole spectrum of respiratory problems seen in the country. The fellows are expected to acquire the skills to work as consultants in teaching institutions and academic respiratory practices within and outside the country, in the field of pulmonology.

Course content:

The training will cover patient care activities, a range of departmental academic and interdepartmental

meetings, journal club, teaching of undergraduates and research. The department attracts referred patients from various parts of the country with a range of complex pulmonary problems, to provide the platform for clinical training. The department has state of the art pulmonary function lab and bronchoscopy suite; which is among the best in the country. The sleep lab and sonology service completes the range of investigative back up within the department. Apart from general pulmonology, trainees will be offered the opportunity to train in bronchoscopy, sleep medicine, pulmonary physiology, lung function testing and critical care. The fellow will be posted to the critical care, paediatrics and rheumatology departments.

Post doctoral fellowship in Colorectal Surgery

The department of Surgery Unit 2 handles all the specialized colorectal surgery in the department of surgery. The unit runs a 2 year Post-doctoral Fellowship, tailored to train surgeons in the specialty of colo-rectal surgery. The fellow will be trained in all aspects of the specialty including diagnosis, investigation, multidisciplinary planning, execution of various surgical procedures, post-operative care and continuing outpatient management and surveillance. The fellow will be exposed to a variety of colorectal surgical operations including laparoscopic colon and rectal resections, transanal resection of low rectal lesions, sphincter preserving resections for low rectal cancer, anal sphincter reconstruction and restorative procto-colectomy with ileal pouch anal anastomosis. The fellowship also includes training to perform colonoscopy and anal manometry. Fellows will be required to maintain a log of all diagnostic procedures and surgical operations they are involved in.

Post Doctoral Fellowship in Hand Surgery & Reconstructive Microsurgery

The Dr. Paul Brand Centre for Hand Surgery, Leprosy Reconstructive Surgery & Peripheral Nerve Surgery (formerly



the Hand Research Unit) is the first "Hand" Centre in India established by the legendary Dr. Paul W Brand at CMC Vellore in 1948. This centre has over 60 years of dedicated hand care experience. Having started as a centre pioneering reconstructive surgery & hand therapy for deformities of Leprosy, this centre is now well known in India and all over the world as the foremost centre for comprehensive management of all hand problems. Eminent surgeons have worked in the department alongside Dr. Brand and include Dr. A.J. Selvapandian, Dr. William Lennox, Dr. GBR Walkey, Dr. Ernest Fritsch to name a few. The Dr. Paul Brand Centre for Hand Surgery, Leprosy Reconstructive Surgery & Peripheral Nerve

Surgery deals with all kinds of hand problems including congenital deformities, peripheral neuropathies, diverse traumatic conditions, complex carpal injuries, fractures and mutilating hand injuries and peripheral nerve injuries including adult & obstetric brachial plexus injuries. Reconstruction of paralytic upper limbs due to peripheral nerve injuries, leprosy, cerebral palsy, polio, etc is its forte. The centre does many microsurgical procedures including free flaps and reimplantation: major and minor, and toe transfers. Microneural reconstruction for peripheral nerve problem includes those for acute nerve injuries; nerve grafting, adult brachial plexus injuries as well as obstetric brachial plexus injuries. Scientific primary nerve surgery was started here in India. These are demanding but satisfactory outcomes are ensured. The centre also has the first hand therapy section since 1951 where experienced therapy staff and occupational therapist rehabilitate the hand.

The Dr. Paul Brand post-doctoral fellowship in hand surgery is a 1 year, intense clinical, operative, academic and interactive programme where the trainees work and learn alongside the experienced consultants. The Fellowship is affiliated to the Dr. MGR Medical University, Chennai, Tamil Nadu. Excellent library facilities are

available. Emergency and on-call duties are a routine. The selection for the Fellowship is based on MCQ exam on Basic Sciences of hand structure, function, surgery as well as an interview. The programme is based on the Federation of Europe Societies for Surgery of the Hand (FESSH) Curriculum for training in Hand Surgery. Weekly scientific programmes include scientific topic presentation and case discussions. Journal club is an integral part of the training. The Fellow must pass a midyear progress assessment as well as an exit exam (both theory and clinical) for the Fellowship to be awarded. The Fellows must complete a scientific study / thesis by the end of the programme and are encouraged to write for peer reviewed publications. Log book of surgeries done and assisted and case presentations is mandatory. By the end of the training, the Fellows should be able to manage hand problems in urban and rural settings in India and anywhere else in the world.

Post Doctoral Fellowship in Head & Neck - General, Oral Oncosurgery and Reconstructive Surgery

Head and neck cancer is the most common malignancy in India accounting for nearly two-fifths of all the cancer burden of the country. In a country that is grappling with poverty and illiteracy, a substantial portion of patients belongs to the lower socio-economic stratum. The objective of this fellowship is to train academic oral and salivary gland oncologic surgeons with the expertise in the management of all facets of oncologic ablative surgery, the approach and management of skull base neoplasms, and the reconstruction of the head and neck defects including local, regional, and free tissue transfer.

Course Structure: The fellowship course includes two years of clinical training and research. The clinical work is supervised by of the fellowship director and the faculty within the department. The fellow will hold a nodal position in the treatment planning and examination along with participating in the specialty related academic schedule. The fellow is expected to coordinate the multidisciplinary Head and Neck Cancer Tumor Board. He / She is required to attend general surgical departmental meetings, including the Grand Rounds, Morbidity and Mortality Conferences, Head and Neck Oncology Rounds, Head and Neck Club, Head and Neck conferences amongst others. During the course, seventy-two of the 104 weeks are spent in the Head and Neck Surgery Unit. The trainee shall be posted in the specialty peripheral postings including mandatory workshops for a total of 32 weeks.

Post Doctoral Fellowship in Hepato Pancreato Biliary (HPB) Surgery

Since further sub-specialization has taken place in General Surgery; more complex general surgical problems today require specific expertise. Hepatic Pancreatic & Biliary (HPB) Surgery is a new department which specializes in the treatment of the following diseases specific to the specialty of Hepatic Pancreatic & Biliary Surgery: Liver tumors, Liver trauma (requiring operation), Bile duct stricture, Chronic pancreatitis, Severe acute pancreatitis, Hilar cholangio carcinoma, Carcinoma gall bladder, Portal hypertension, Choledochal cyst, Biliary injury and fistula, Endocrine and exocrine tumors of pancreas, Liver transplantation.

Liver Transplantation: The Department of HPB Surgery has a predominantly deceased donor program and our results have been encouraging. We also have the distinction of performing possibly the lowest cost transplants in the world. This is in keeping with our institutional belief that cost should not preclude treatment. The Department of HPB Surgery at CMC Vellore has a large patient load, performs complex HPB procedures with low morbidity and mortality, has 3 trained and qualified senior faculty in line with MCI requirements and has all support services and infra-structure.

Post Doctoral fellowship in Upper GI and Bariatric Surgery

The fellowship Course in Upper GI and Bariatric Surgery is offered to candidates who have completed their post graduate training in General Surgery and worked for at least two years, preferably in the field of GI Surgery. The training will be hands on, graded & supervised. A period of six months will be spent in peripheral postings. These will be in the specialties of Radiology, Gastroenterology, Radiation Oncology, Medical Oncology and General Pathology. Eighteen months will be spent in the parent unit. At the end of the training period, an exit examination consisting of theory and viva will be conducted.

Post Doctoral Fellowship in Phlebology

Vascular surgery is a budding sub-specialty / specialty in India which is rapidly expanding. There is a growing need to train general surgeons in the principles and practice of vascular surgery, to meet the growing demand of the Indian population with vascular diseases.

Vascular surgery in CMC was started almost 50 years ago. Today the unit is performing close to 350 vascular surgeries per year. These include surgeries like aortic aneurysm repair, aortobifemoral bypass, femoro-popliteal bypass, fem-distal bypass, subclavian artery transposition, carotid endarterectomy, carotid body tumor excision, varicose vein surgery, endovenous laser and foam sclerotherapy for varicose veins etc. Endovascular intervention is performed in liaison with the radiology and cardiology departments.

This course gives the surgeon excellent exposure and "hands on" experience in management of acute and chronic arterial and venous diseases. As CMC is a tertiary referral centre, management of vascular trauma is an integral part of the course. The candidate will spend one month learning skills in duplex ultrasound and endovascular intervention. During the course the candidate would be guided towards publishing an article in an indexed journal. There is an exit exam which is conducted at CMC with two external examiners and a certificate is awarded.



2.5 DISTANCE EDUCATION PROGRAMMES

List of Distant Education Programmes offered

Course	Duration
Post Graduate Diploma in Allergy and Asthma (DAA)	1 year
Post Graduate Diploma in Family Medicine (PGDFM)	18 months
Distance Fellowship in Diabetes Management	1 year
Distance Education Fellowship in Hypertension	6 months
Master in Medicine in Family Medicine (M.Med in Family Medicine)	2 years

Post Graduate Diploma in Allergy and Asthma (DAA)

Diploma in Allergy & Asthma (DAA) is a year long distance learning programme, in the subspecialty of Allergy, Asthma & Immunology. It is conducted by the Christian Medical College, Vellore, in collaboration with the International Asthma Services (IAS) - a U.S based charitable organization dedicated to patient and physician education. Twenty candidates will be admitted to this programme each year.

DAA is a year long distance learning course with one week of Personal Contact Sessions every quarter, at the CMC Hospital, Vellore (Tamil Nadu). During the contact programme, lectures covering all important aspects of the curriculum, will be delivered by overseas faculty (mainly from the USA), National and CMC faculty. There would also be hands-on training on the practical aspects of allergy - skin testing, spirometry, etc. Attending all the four Personal Contact Sessions is a mandatory requirement for the successful completion of the course. Physicians who complete the programme would confidently be able to clinically evaluate a patient with allergic disease, plan the appropriate investigation, perform and interpret allergen skin testing and spirometric lung function testing and institute the appropriate treatment. They would also be taught the principles of allergen immunotherapy. Basic teaching would cover areas of immunology, basic respiratory anatomy and physiology, basics of clinical epidemiology and research. While the focus of clinical training would be on respiratory allergies such as asthma and allergic rhinitis, other allergies including ocular, skin and food allergies would also be covered. The Diploma in Allergy & Asthma (DAA) will be awarded jointly by CMC and IAS after successful completion of the course and the final examination.

Eligibility

1. Candidates with an MD degree or DNB or PG diploma in TB & Chest / Respiratory diseases/ Paediatrics/ General Medicine are eligible to apply.
2. Candidates with an MBBS qualification with a proven track record of academic practice of 2 years in allergy and asthma may be considered at the discretion of the selection committee. These candidates should provide evidence of their experience when they apply.

APPLICATION Form: Can be downloaded from the following website address

<http://www.cmcvellore.ac.in/jobs&train/DAA/main.html>

Post Graduate Diploma in Family Medicine (PGDFM)
(For fresh MBBS Graduates working in secondary hospitals)

INTRODUCTION

A unique and distinguishing feature of the Christian Medical College (CMC) Vellore is its linkage with the large and widespread network of mission hospitals located mainly in semi-urban and rural areas and aiming to serve disadvantaged communities. With the inpatient strength of between 20 and 200 beds, these hospitals deliver broad based clinical services to their local communities. The majority of students in CMC are sponsored by these hospitals and have undertaken to serve in them for two years immediately after graduation. CMC recognizes that its medical graduates face arduous challenges and difficulties during this service period but also that this can be a unique learning experience for them. Graduates from other medical colleges such as Christian Medical College, Ludhiana, St. John's Medical College, Bangalore and Government Medical Colleges also work in rural Hospitals after their MBBS. The Post Graduate Diploma in Family Medicine course is for the recent MBBS graduates working in secondary hospitals. This is CMC's response to the challenge of equipping the MBBS graduates, from CMC and other medical colleges for competent and satisfying engagement with secondary level health care while also availing of its educational opportunities. The course was started in 2007 as a one year Fellowship Program, the Fellowship in Secondary Hospital Medicine and then upgraded to the Post Graduate Diploma in Family Medicine in 2010.

ELIGIBILITY CRITERIA

All graduates completing MBBS including internship during or after 2008. Preference will be given in the following order of preference:

1. Those completing both MBBS and internship at CMC and have a service obligation to their sponsoring bodies.
2. Those completing both MBBS and internship at CMC but do not have a service obligation.
3. Those who completed MBBS elsewhere but completing internship at CMC.
4. Those completing MBBS in other medical colleges. Under this category, all the students should have commitment to work a minimum of one year in:
 - A. Mission hospitals
 - B. Government sector
 - C. Private hospitals (in that order of preference)

Applicants should not be currently doing a PG course and should not be planning to do a PG course in the next one year.

THE COURSE FORMAT AND CONTENT

1. **Modules:** The course is designed as 13 Modules. An average of six hours per week will be needed to complete the booklets in the above time period.
2. **Contact Programs:** During the 18 months there will be three contact program: Contact Session I in August 2015 for 7 days in CMC, Vellore. Contact Session II in February 2016 for 7 days in CMC, Vellore. (Examination I will be conducted during this time.) Contact Session III in August 2016 for 3 days in CMC, Vellore for the conduct of Examination II.
3. **Project Work:** The Students will do a project in their secondary hospitals under the guidance of CMC faculty and a local mentor.
4. **Duration:** The PGDFM for recent MBBS Graduates is of 18 months duration. Candidates have to complete the course within three years from the date of enrolment. The course will commence from 1st April 2015 and end on 30th September 2016.

AWARD OF DIPLOMA

The Diploma will be awarded to candidates who fulfill the following criteria:

1. A score of not less than 50% in theory and practical separately
2. 100% attendance in contact programs and completion of requirements
3. Satisfactory completion of project work
4. Satisfactory completion of the tutor marked assignments with overall 50% of marks

PAYMENT OF FEES

The total fee for the entire course is Rs.10, 000/ payable in two equal instalments. 1st instalment of Rs.5000 is to be paid on admission to the course. The last date being 23rd March 2015, but can be extended on request. 2nd instalment of Rs.5000 is to be paid at the time of the Second Contact course in Feb 2015. Course fee, and any other payments, must be paid by Demand Draft drawn in favour of 'Christian Medical College Vellore Association' payable at Vellore. Kindly write your name and the course name at the back of the demand draft.

ADMISSION PROCEDURE

No. of seats - Maximum seats available: 60

Application: The application form can be downloaded from the CMC Vellore website or can be collected in person from the Medical Education Unit, CMC, Bagayam, Vellore- 632002. The selection process will greatly depend on the written application. Hence the candidates are advised to fill in the application carefully. The last date for submission of completed application is 15th February 2015.

CONTACT DETAILS

Email ID: fshm@cmcvellore.ac.in

Mailing address:

The Course Coordinator
(PGDFM for recent MBBS Graduates),
Medical Education Unit,
Christian Medical College,
Bagayam, Vellore - 632 002,
Tamil Nadu, India.
Phone No: 0416 - 228 4421

Distance Fellowship in Diabetes Management (DFID)

Diabetes Mellitus has become a public health problem with more than 15% of the Indian urban population above the age of 30 years afflicted with this disease. Though the cost burden to the nation is not exactly known, the morbidity and mortality of this condition is now comparable to tuberculosis. It is therefore necessary to create a physician who becomes a "one window operation" for care of the diabetic. This way an average patient does not have to go to a tertiary care institution or to an endocrinologist, preventing expenditure on a chronic disease which has the potential to haemorrhage their meagre income.

Eligibility criteria in order of medicine:

1. MD/ DNB General Medicine
2. DNB Family Medicine
3. PGDFM from CMC Vellore
4. MBBS doctors who are in private practice/ practice involving diabetes in remote and rural parts of the country.

Candidates from outside India can also apply**Preference will be given to**

Candidates between 35-50 years of age.

Women candidates.

Candidates working in rural area

There is no entrance test.

Duration: This is a distance program of 1 year duration. However since the candidates are likely to be busy with their work, they will be allowed 2 years to complete the program.

Application:

You may download the Application form and Prospectus from our website: Web site address: www.cmch-vellore.edu and click on "Education / Admissions".

Distance Education Fellowship in Hypertension (DFIH)

Preamble:

The population of India is passing through a phase of 'epidemiological transition' wherein communicable diseases is being replaced by non-communicable diseases as major causes of death and disability. Hypertension is one among them. Having come to occupy close to 30% prevalence, Hypertension is now an entity not just confined to the specialist alone but to every generalist. While physicians, surgeons, obstetricians, internists and even paediatricians are likely to encounter hypertension in their patients more frequently, the general practitioner will increasingly be called upon to diagnose and manage hypertension. Awareness regarding the diagnosis, treatment and advances has therefore become very important.

Hypertension has become a focus of intense clinical, epidemiological and laboratory research. The volume of data and information available is so large that it is not possible for a practitioner to search and scan every new trial or published guideline. Modules such as this therefore bring concise updated information to the table of the practitioner. Not only does the reader get a bird's eye view, but it also provides an interactive method to study the clinical dilemmas that one faces.

This module on hypertension put together by Distance Education Cell at CMC Vellore is unique in that it is fairly detailed but at the same time presents the topics in an easily readable, simple format.

Duration of the course	: 6 months
Contact Program	: 1 week
Venue of the Contact Program	: CMC, Vellore
Fees	: 15,000/- (subject to revision)
Study materials	: 12 modules in 2 volumes

You may download the Application form and Prospectus from our website: Web site address: www.cmch-vellore.edu and click on "Education / Admissions".

Master in Medicine in Family Medicine

(M. Med in Family Medicine)

Affiliated to the Tamil Nadu Dr. M G R Medical University.

PREAMBLE:

There are close to 2,50,000 General Practitioners in India who have no access to postgraduate education. Since the government has not mandated continuous education for physicians, most of the GPs do not make much effort to remain up-to-date with the developments in the medical education. The lack of continuous updating of the knowledge and skills by these GPs has led to a situation where there are excessive referrals because they are not confident in handling cases even with the slightest complication. Many patients, therefore, end up visiting multi- specialty hospitals where the health care costs are very high. No wonder, in a World Bank study done in the year 2004, it was found that the private health care sector was responsible for drowning many below the

poverty line! A 'Family Physician' is a multi-competent specialist who not only provides the point of first contact, but also provides the continuum of care. The number of 'Family Physicians' - doctors satisfying the above definition - in the Indian sub-continent is grossly inadequate to cater to the huge population.

I. THE OBJECTIVE:

The objective of the M.MED (FAM. MED.) programme is to build the capacity of GPs and enable them to manage more cases so that referral becomes less necessary - hence the motto: 'Refer less, Resolve more'. The ultimate beneficiaries of the program will be patients from the financially weaker section of the population, especially those from the rural areas. Thus, the program leads to a win-win situation for the patients and the GPs, as the former find a one- window solution, while the latter (who would have become multi-competent) find a much larger scope for their practice.

II. ELIGIBILITY CRITERIA:

1. Valid MBBS Degree
2. Women candidates will be given preference
3. Motivation to pursue and complete the course as prescribed in order to improve their practice.
4. There is no entrance test or interview.

Duration: 2 year course.

Application and prospectus: You may down load the Application form and Prospectus from our website: Web site address: www.cmch-vellore.edu and click on "Education / Admissions". The filled in application should be sent along with DD for Rs.1000 drawn in favour of "**CMC Vellore Association**" payable at Vellore to the address given below.

Kindly check the website for the last date for submission of the filled in application.



NURSING



3. NURSING

3.1 Diploma in Nursing

The Diploma in Nursing programme includes a 3 year course and one year training as junior staff nurse. The core subjects in first year include Fundamentals of Nursing, Biological Science, Behavioural Science, Community Health Nursing and English. The Second and Third Year subjects of study include Medical-Surgical Nursing, Mental Health & Psychiatric Nursing, Computer Education, Midwifery and Gynaecology Nursing, Pediatric Nursing, Community Health Nursing, Research, Professional Trends and Adjustments, Administration, Ward Management and Health Economics. Students have to appear for examinations conducted by the Board of Nursing Education of the Nurses' League, Christian Medical Association of India (South India Branch) at the end of each year during the course. The Diploma is awarded by the BNESIB, NL CMAI and is recognized by the Indian Nursing Council.

ELIGIBILITY FOR ADMISSION

Minimum qualification for application	Pass at +2 level preferably Science with Physics, Chemistry, Biology (Botany and Zoology) and English with an aggregate of 40 % Marks
Age limit	Between 17 – 35 years by 31 st December in the year of admission
*Marital Status	Only unmarried men and women are eligible to apply *
Student intake	100 per year
Duration of the programme	3 year course + 1 year Junior Staff Nurse
* Age and marital status exemptions for those who have completed ANM/MPHW programme	

BASIS FOR ADMISSION

Selection is based on merit. Step I will be a Computer Based Test (CBT) (see Annexure III of bulletin) followed by Step II assessment of skills and knowledge for short-listed candidates which will assess the candidate's aptitude and interest towards the healing ministry. Motivation and suitability to undertake the nursing programme in the Christian Medical College, Vellore are also assessed. For Christian students applying under the sponsored category, a written test in Bible Knowledge will be a part of the tests at Vellore during Step II. Admission to the programme for the year is subject to being found medically fit by the Medical Board of Christian Medical College Vellore. **The decision of the Selection Committee is final.**

SPONSORSHIP BY COLLEGE OF NURSING, CMC, VELLORE.

The Christian Medical College, Vellore is one of the largest medical facilities in India and offers many challenging opportunities in the field of nursing including opportunities for postgraduate training. The College of Nursing offers sponsorship to eligible Christian candidates. Those who desire College of



Nursing Sponsorship should fill the sponsorship application form (Annexure V of the Bulletin) and send to THE REGISTRAR, CHRISTIAN MEDICAL COLLEGE, VELLORE - 632 002, TAMIL NADU, so as to reach not later than 1st April 2016.

Applying for sponsorship does not guarantee sponsorship, selection to the programme or financial assistance. No further correspondence regarding this will be entertained. Christian Medical College, Vellore has the right to post any of its sponsored candidates to any department of the Christian Medical College at the discretion of the Dean, College of Nursing based on the need. Sponsored candidates may be transferred to serve all or part of their service obligation in some other mission hospital in India if such a need arises. All candidates admitted to the programme will have to undertake a service obligation to work in an area of need for a period of two years after completion of training. The candidates chosen under the open category will serve in areas of need identified by the Christian Medical College, Vellore.

REGISTRATION FOR ADMISSION

Candidates selected for admission into the programme will be required to register paying prescribed fee and completing other admission formalities. Submission of **all original certificates** is mandatory at the time of admission. Admission to the programme will continue to be provisional until approved by the Board of Nursing Education of the Nurses' League, Christian Medical Association of India (South India Branch).

3.2 BSc in Nursing

The BSc in Nursing programme is designed to enable students to get a wider understanding of nursing based on scientific principles and clinical experience. The annual intake of students is 100. The programme includes a 4



year course and one year training as junior staff nurse. It is affiliated to The Tamil Nadu Dr. M.G.R. Medical University. Students have to appear for University examinations at the end of each year during the course. The course includes basic sciences (Anatomy, Physiology, Biochemistry, Microbiology and Nutrition), Nursing Foundation, Psychology, English and Computer Applications in the first year. The second year focuses mainly on General Medical and Surgical Nursing and an orientation to Community Health Nursing. Subjects like Sociology, Genetics, Pharmacology, Pathology, Communication and

Education Technology are also covered in this year. The third year deals with specialties in Medical/Surgical Nursing, Child Health Nursing and Mental Health Nursing and introduces Obstetrics and Gynaecology Nursing. The first half of fourth year is spent on Obstetrics and Gynaecology Nursing, Nursing in Community Health, Nursing Research and Management of Nursing Education and Services. The second half of the fourth year is a rotating internship in all the areas of Nursing.

ELIGIBILITY FOR ADMISSION

1. Candidates should have passed the qualifying examination after a period of 12 years of study in the subjects of Physics, Chemistry, Biology and English individually and must have obtained a minimum of 45% marks

taken together in Physics, Chemistry and Biology (Botony and Zoology). English subject is 10+2 is compulsory.

2. Candidates should have passed in all subjects of the qualifying examination of the Higher Secondary Certificate Examination (Academic) conducted by The Tamil Nadu State Board or any other equivalent examination in one and the same attempt in the subjects.
3. Candidates should have completed the age of 17 years at the time of admission or should complete the said age on or before 31st December of the said year. The maximum age limit is 30 years and is relaxed upto 35 years for SC / ST candidates.
4. Only unmarried women candidates are eligible to apply.
5. Candidates who have passed Higher Secondary School Examination under vocational stream are not eligible to join B.Sc (Nursing) degree course.
6. The selected candidates must produce the Eligibility Certificate from The Tamil Nadu Dr. M.G.R. Medical University, Chennai at the time of registration for admission.

Please check relevant admission bulletin on the CMC website for updated information.

BASIS OF ADMISSION

1. Selection is based on merit. **Step I** will be Computer Based Test (CBT) (see Annexure III of bulletin) followed by **Step II** - assessment of skills and knowledge for short-listed candidates which will assess the candidate's aptitude and interest towards the healing ministry. Motivation and suitability to undertake the nursing programme in the Christian Medical College, Vellore is also assessed. For Christian students applying under the sponsored category, a written test in Bible Knowledge will be part of the tests at Vellore during **Step II**. Admission to the programme for the year is subject to being found medically fit by the Medical Board of Christian Medical College, Vellore.
2. Sponsorship will be as per guidelines under Section 1.14.
3. Applying for sponsorship does not guarantee sponsorship, selection to the programme or financial assistance. No further correspondence regarding this will be entertained. Christian Medical College, Vellore has the right to post any of its sponsored candidates to any department of the Christian Medical College at the discretion of the Dean, College of Nursing based on the need. Sponsored candidates may be transferred to serve all or part of their service obligation in some other mission hospital in India if such a need arises. All candidates admitted to the programme will have to undertake a service obligation, to work in an area of need for a period of two years after completion of training. The candidates chosen under the open category will serve in areas of need identified by the Christian Medical College, Vellore.
4. The final distribution of seats will be as follows :

All India Open	15	(including 3 for SC/ ST)
Sponsored	85	

5. THE DECISION OF THE SELECTION COMMITTEE IS FINAL.

REGISTRATION FOR ADMISSION

Candidates selected for admission into the Programme will be required to register paying prescribed fee and completing other admission formalities. Submission of **all original certificates** is mandatory at the time of admission. Admission to the programme will continue to be provisional until approved by The Tamil Nadu Dr.M.G.R. Medical University, Chennai.

3.3 Post Basic BSc Nursing Programme

This two year programme aims to upgrade the Diplomates (GNMs) and prepare them to assume responsibilities as competent practitioners, nurse educators and supervisors in clinical/public health settings.

ELIGIBILITY FOR ADMISSION

The candidate should have

1. Passed Higher Secondary / Senior Secondary / Intermediate / 10 + 2 / an equivalent examination recognized by the University / 10 + 1 on or before the year 1986.
2. Passed the qualification of Diploma in General Nursing and Midwifery or alternate course.
3. Permanent registration certificate with the State Registration Council for Nursing and Midwifery / alternate course approved by Indian Nursing Council for a similar duration in lieu of Midwifery in any one of the following areas.
 - O.T. Techniques
 - Ophthalmic Nursing
 - Leprosy Nursing
 - TB Nursing
 - Psychiatric Nursing
 - Neurological and Neuro Surgical Nursing
 - Community Health Nursing
 - Cancer Nursing
 - Orthopedic Nursing

BASIS OF ADMISSION

1. Selection is based on merit. **Step I** will be a Computer Based Test (CBT) (general paper) followed by **Step II** Personal interviews.
2. The number of seats is 50. Among the total seats, 15% of the seats are reserved for the open merit candidates and 85% of the seats are reserved for sponsored candidates provided they fulfill the criteria for admission.
3. Weightage is given to candidates who have served in areas of need including CMC, Vellore.
4. Best outgoing and Outstanding academic students in the GNM programme will be given additional weightage.
5. Admission to the programme for the year is subject to being found medically fit by the medical board of Christian Medical College, Vellore.

SERVICE OBLIGATION

CMC upholds the value that its alumni will commit themselves to the service of the poor and marginalized. Towards this end, the cost of education is subsidized to prevent the candidates being burdened financially. The sponsored candidates will have to undertake a service obligation, to serve the sponsoring agency after completion of the programme.

REGISTRATION FOR ADMISSION

Candidates selected for admission into the programme will be required to register for the same on payment of the prescribed fee and completing admission formalities. Submission of **all Original certificates** at the time of admission is mandatory. The selected candidates must produce the **Eligibility Certificate** from The Tamil Nadu Dr.M.G.R. Medical University, Chennai at the time of registration for admission. Admission to the programme continues to be provisional until approved by The Tamil Nadu Dr. M.G.R. Medical University, Chennai.

3.4 MSc Degree in Nursing

This two year programme prepares candidates for leadership positions in nursing education, practice, management and research.

Programme	No. of Seats	Type of entrance test paper
MSc(N) (Medical Surgical)	10	Special- Medical Surgical Nursing
MSc(N) (Paediatrics)	5	Special- Paediatric Nursing
MSc(N) (Obs & Gynae)	5	Special- Obstetrics and Gynaecological Nursing
MSc(N) (Comm Health)	5	Special- Community Health Nursing
MSc(N) (Psychiatry)	4	Special- Psychiatric Nursing

ELIGIBILITY FOR ADMISSION

The candidates should have

1. Passed the qualification of B.Sc. Nursing / B.Sc. (Honors) in Nursing / Post Basic B.Sc. Nursing by The Tamil Nadu Dr. M.G.R. Medical University, Chennai or any other University accepted as equivalent there to with minimum of 55 % aggregate marks (Candidates with PBBSc degree from IGNOU or any other Universities through distance education are not eligible).
2. Registered with the State Registration Council for Nursing and Midwifery / alternate course approved by Indian Nursing Council for a similar duration in lieu of Midwifery. Male candidates who do not possess Midwifery registration certificate are not eligible to apply for M.Sc.(N) Obstetrics and Gynaecological Nursing and Community Health Nursing irrespective of experience in the area.
3. Minimum one year of experience in a hospital or in a College or in School of Nursing or in Community Health Programme from the date of registration in the State Nursing Council after B.Sc. Nursing / B.Sc. (Honors) in Nursing (or) after / prior to Post Basic B.Sc. Nursing.

BASIS OF ADMISSION

1. Selection is based on merit. **Step I** will be a Computer Based Test (CBT) (special paper for each specialty) followed by **Step II** assessment of skills and knowledge.
2. At least 50% of the seats in each specialty are reserved for sponsored candidates provided they fulfill the criteria for admission.
3. Weightage is given to candidates who have served in areas of need including CMC, Vellore.
4. Best outgoing and Outstanding academic students in the undergraduate programme will be given additional weightage.
5. Admission to the programme for the year is subject to being found medically fit by the Medical board of Christian Medical College, Vellore.



SERVICE OBLIGATION

CMC upholds the value that its alumni will commit themselves to the service of the poor and marginalized. Towards this end, the cost of education is subsidized to prevent the candidates being burdened financially. The sponsored candidates will have to undertake a service obligation, to serve the sponsoring agency after completion of the programme.

REGISTRATION FOR ADMISSION

Candidates selected for admission into the programme will be required to register for the same on payment of the prescribed fee and completing admission formalities. Submission of **all Original certificates** at the time of admission is mandatory. The selected candidates must produce the **Eligibility certificate** from The Tamil Nadu Dr. M.G.R. Medical University, Chennai at the time of registration for admission. Admission to the programme continues to be provisional until approved by The Tamil Nadu Dr. M.G.R. Medical University, Chennai.

3.5 Post Basic Diploma in Nursing

The one year post basic diploma programmes in nursing are designed to prepare registered nurses to acquire in depth knowledge and skills in specialized areas of nursing. It aims to prepare them to function effectively as care givers/nurse supervisors in the respective settings.

Programme	No. of seats	Type of entrance test paper
Cardiothoracic Nursing *	15	General
Critical Care Nursing *	20	General
Emergency and Disaster Nursing *	20	General
Neonatal Nursing *	15	General
Neurology Nursing *	15	General
Oncology Nursing *	20	General
Operation Room Nursing *	15	General
Psychiatric Nursing *	20	General
Orthopaedic & Rehabilitation Nursing *	20	General
Geriatric Nursing *	10	General
Renal Nursing	4	General
Burns Nursing	4	General

* Recognized by the Indian Nursing Council (INC)

3.6 Fellowship in Nursing

This one year programme is offered by the institution in the following specialties.

Programme	No. of seats	Type of entrance test paper
Fellowship in Family Nurse Practice	4	General
Fellowship in Haematology Nursing	4	General
Fellowship in Respiratory Nursing	4	General
Fellowship in Pediatric Critical Care Nursing	4	General

1. FELLOWSHIP IN FAMILY NURSE PRACTICE

This programme is designed to prepare registered nurses for advanced nursing practice as family nurse practitioners. A family nurse practitioner in collaboration with a physician provides primary health care services across the life span in community and ambulatory care settings.

2. FELLOWSHIP IN HAEMATOLOGY NURSING

This programme is designed to prepare registered nurses for advanced nursing practice in haematology. It aims to prepare registered nurses in collaboration with the physician to provide specialized health care to patients with haematological disorders of all ages in hospital settings.

3. FELLOWSHIP IN RESPIRATORY NURSING

This programme is designed to prepare registered nurses for advanced nursing practice in respiratory care. It aims to prepare registered nurses in collaboration with the physician to provide specialized health care to patients with respiratory disorders of all ages in hospital settings.

4. FELLOWSHIP IN PAEDIATRIC CRITICAL CARE NURSING

This programme is designed to prepare registered nurses for advanced nursing practice in pediatric critical care. It aims to prepare registered nurses in collaboration with the physician to provide specialized health care to critically ill children in the hospital settings.

ELIGIBILITY FOR ADMISSION

The Candidate should have

1. Passed the qualification of B.Sc. Nursing / B.Sc. (Honors) in Nursing / Post Basic B.Sc. Nursing degree of The Tamil Nadu Dr. M.G.R. Medical University, Chennai or any other University accepted as equivalent there to .
2. Permanent registration certificate from the State Nursing Council for Nursing and Midwifery or alternate course (applicable to male candidates) .
3. Minimum one year of work experience in any clinical area in the hospital or in the community .

BASIS OF ADMISSION

1. Selection is based on merit. **Step I** will be Computer Based Test (CBT) (general paper) followed by **Step II** Personal interviews.
2. Atleast 50 % of the seats in each speciality are reserved for sponsored candidates provided they fulfill the criteria for admission.
3. Weightage is given to candidates who have served in areas of need including CMC, Vellore.
4. Best outgoing students in the Undergraduate programme will be given additional weightage.
5. Admission to the programme for the year is subject to being found medically fit by the Medical Board of Christian Medical College, Vellore.

ELIGIBILITY FOR ADMISSION

The candidate should have

1. Passed the qualification of Diploma in General Nursing and Midwifery or alternate course / B.Sc. Nursing / B.Sc. (Honors) in Nursing / Post Basic B.Sc. Nursing.
2. Permanent registration certificate from the State Nursing Council for Nursing and Midwifery or alternate course (applicable to male candidates).
3. Minimum one year of work experience in any clinical area in the hospital or in the community.

BASIS OF ADMISSION

1. Selection is based on merit. **Step I** will be a Computer Based Test (CBT) (general paper) followed by **Step II** Personal interviews.
2. Atleast 50% of the seats in each speciality are reserved for sponsored candidates provided they fulfill the criteria for admission.
3. Weightage is given to candidates who have served in areas of need including CMC, Vellore.
4. Admission to the programme for the year is subject to being found medically fit by the Medical board of Christian Medical College, Vellore.
5. Best outgoing and Outstanding academic students in the Undergraduate programme will be given additional weightage.

SERVICE OBLIGATION

CMC upholds the value that its alumni will commit themselves to the service of the poor and marginalized. Towards this end, the cost of education is subsidized to prevent the candidates being burdened financially. The sponsored candidates will have to undertake a service obligation, to serve the sponsoring agency after completion of the programme.

REGISTRATION FOR ADMISSION

Candidates provisionally selected for admission into the programme will be required to register for the same on payment of the prescribed fee and completing admission formalities. Submission of **all Original certificates** at the time of admission is mandatory. Admission to the programme continues to be provisional until approved by the Board of Nursing Education of the Nurses' League, Christian Medical Association of India (South India Branch) for the courses recognized by the same.





ALLIED HEALTH SCIENCES



4. Allied Health Sciences

4.1 Guidelines for admission to Allied Health Sciences

Eligibility for Admission

1. Candidates should have passed the Higher Secondary Certificate Examination (Academic) conducted by the Tamil Nadu State Board or any other equivalent examination with the following subjects: English, Physics, Chemistry and Biology (Botany and Zoology). Candidates applying for Bachelor & Diploma of Prosthetics & Orthotics, and Diploma in Optometry should have a minimum of 40% marks and for those applying for Diploma in Urology technology should have a minimum of 50% marks in Physics, Chemistry & Biology.
2. Candidates should have completed the age of 17 years at the time of admission or should complete the said age on or before 31st December of the said year and the maximum limit is 40 years for AHS Degree courses.

Basis for Admission

1. Selection is based on merit. A preliminary Computer-based, Step -1 test (see Annexure III of bulletin), followed by Step-2 test (practical tests and interview) for short-listed candidates will assess the candidate's ability to undertake medical studies. The tests and interview will assess the candidate's character, motivation and suitability for the medical profession and studies at the Christian Medical College, Vellore. During the process the aptitude of the candidate for the healing ministry, willingness to serve in remote mission hospitals and a sense of compassion for the suffering will be assessed.
2. Admission to the programme for the year is subject to being certified medically fit by the Medical board of Christian Medical College, Vellore.
3. Sponsorship will be as per guidelines under section 1.14
4. THE DECISION OF THE SELECTION COMMITTEE IS FINAL.

Registration for Admission

Those finally selected for admission after interviews and tests will be required to register for the course by paying the tuition fee and completing other admission formalities. Students should submit their certificates in original. (Admission to the degree courses will continue to be provisional until approval by the Tamil Nadu Dr. M.G.R. Medical University).

Dress Code

Uniform as specified will be compulsory during the course.

Allied Health Sciences

4.2 Degree Courses

(Affiliated to Tamil Nadu Dr. MGR Medical University)

Please check the relevant admission bulletin on the CMC website for updated information

Course	No. of seats			Duration	
	Open	Sponsored	Total*	Course	Internship
BSc Accident & Emergency Care Technology	1	5	6	3 yrs	1 yr
Bachelor of Audiology & Speech Language Pathology	1	5	6	3 yrs	1 yr
BSc Cardiac Technology	1	4	5	3 yrs	1 yr
BSc Cardio Pulmonary Perfusion Care Technology	1	2	3	3 yrs	1 yr
BSc Critical Care Technology	1	5	6	3 yrs	1 yr
BSc Dialysis Technology	2	5	7	3 yrs	1 yr
BSc Medical Laboratory Technology (BSc MLT)	2	10	12	3 yrs	1 yr
BSc Medical Record Science (BMRSc)	1	5	6	3 yrs	1 yr
BSc Medical Sociology	1	4	5	3 yrs	1 yr
BSc Nuclear Medicine Technology	1	2	3	3 yrs	1 yr
BSc Neuro-Electrophysiology	1	4	5	3 yrs	1 yr
Bachelor of Occupational Therapy (BOT)	2	8	10	4 yrs	6 months
BSc Operation Theatre and Anaesthesia Technology	1	4	5	3 yrs	1 yr
Bachelor of Optometry (B Optom)	2	8	10	3 yrs	1yr
Bachelor of Physiotherapy (BPT)	2	8	10	4 yrs	6 months
Bachelor of Prosthetics & Orthotics	1	4	5	4 yrs (Lateral entry - 3 rd yr)	6 months
BSc Radiology Imaging Technology	2	8	10	3 yrs	1 yr
BSc Radiotherapy Technology	1	3	4	3 yrs	1 yr
BSc Respiratory Therapy	2	8	10	3 yrs	1 yr

Entrance test (Step 1): Science based paper

* Variable depending on guidelines

Bachelor of Science in Accident and Emergency Care Technology



Emergency Medical Technology course is a three year course which trains candidates in Emergency Medicine technical knowledge and skills to become the first responders to all emergencies. They are taught knowledge and skills to help victims of emergencies within an outside the hospital. Training experience would be predominantly in the department of Accident and Emergency Medicine which is a 50 bedded Unit which handles approximately 130-140 adult medical, surgical emergencies and paediatric trauma. This centre is recognized by WHO as the South-East Asian Regional Training for Emergency Medicine and Emergency Nursing.

Peripheral postings include critical care and obstetrics.

Bachelor of Audiology & Speech Language Pathology (Approved by Rehabilitation Council of India)

This specialty deals with the study of normal & abnormal functioning of the auditory system, the speech production mechanism, and language processing. This field has connections to a number of other disciplines, including anatomy, physiology, psychology, linguistics, medicine, and education. Students pursuing a degree in this field are also introduced both to basic and applied research and to various clinical applications. They will acquire theoretical and practical skills needed to diagnose, treat and rehabilitate patients with Hearing, Speech and Language problems such as voice disorders, fluency disorders, motor speech disorders, language related disorders.



Bachelor of Science in Cardiac Technology

This course is designed to provide broad-based theoretical knowledge and up-to-date technical training that is relevant to current cardiac clinical practice. The areas in which training is provided include electrocardiography, treadmill stress testing, 24- hour ambulatory ECG monitoring (Holter), 24 hour blood pressure monitoring (Ambulatory BP) and cardiac catheterization laboratory technology and electro physiology. The course includes theory classes, practical "hands on" training and periodic evaluations. Candidates successfully completing the course will be adequately equipped to independently provide technical assistance at any advanced cardiac centre.

Bachelor of Science in Cardiopulmonary Perfusion Care Technology



A perfusionist is a skilled person, qualified by academic and clinical education who operates the heart lung machine (extra corporeal circulation equipment) when it is necessary to temporarily replace the patients circulatory and respiratory function. While operating, the heart lung machine during open heart surgery, the perfusionist is responsible for monitoring the altered circulatory process, taking appropriate measures when abnormal situations arise and keeping both the surgeon and anaesthetist fully informed of the patients condition. The perfusionist is also educated in the administration of blood products, anaesthetic agents

and drugs through the extracorporeal circuit. Perfusionists are competent in the management of other perfusion related equipment, techniques and procedures. The field of Perfusion Technology is regarded by many as a very demanding vocation requiring maturity, dedication, integrity, discipline and a mechanical aptitude.

Classes include Anatomy, Physiology, Bio chemistry, Pathology, Basics of Microbiology, Principles of Perfusion Technology Part I and later in the course - introduction to Surgery, Sterilization Techniques, Cardiopulmonary Bypass & Perfusion Technology. Employment opportunities are abundant in India and abroad.

Bachelor of Science in Critical Care Technology

Critical Care Medicine is a medical field that deals with critically ill patients admitted into intensive care units for support of the function of vital organs. The outcome of the care depends on the quality of work which is carried out by the specially trained "Critical Care Team". Critical Care Therapists are an integral part of the Critical Care Team. They are skilled personnel who look after chest physiotherapy, tracheal suction, inhalation therapy, care of the airway, mechanical ventilation, as well as assisting for all the invasive procedures and monitoring cardiovascular status of the patients round the clock. They are responsible for the maintenance of equipment in the ICUs. These skilled personnel need to



be trained adequately and the training course is being offered at the Christian Medical College & Hospital, Vellore and recognized by the Tamil Nadu Dr. MGR Medical University. The course covers basic Anatomy, Physiology, Pharmacology (with special reference to the respiratory and cardiovascular systems), Physiotherapy and basic management of the equipment used in the care of critically ill patients. They will have an exposure to diseases of the respiratory system and problems affecting critically ill patients, an introduction to the importance of critical care, sterile techniques, management of emergency situations and basic engineering to understand the equipment. The course is structured to provide plenty of "hands-on" experience. The importance of universal precautions and efficient management in emergency situations is an essential part of the course. The students will have a rotation through Anaesthesia and Physiotherapy in addition to rotation through Surgical, Neurological, Medical and Paediatric ICUs.

Critical care therapists work in an Intensive Care Unit along with doctors and nurses and are trained to manage patients in critical illness and help save lives. This field is very rewarding because often patients who are about to die are given another chance at life. This field therefore contributes to society and there is a lot of job satisfaction. The opportunities for job placement are many as all ICUs across India and world-wide require these health care workers as an integral part of the health care team.

Bachelor of Science in Dialysis Technology



The Bachelor of Science degree course in Dialysis Technology is designed to provide broad based and up to date theoretical and practical technical training relevant to current dialysis clinical practice including haemo-dialysis, peritoneal dialysis and continuous Renal Replacement therapy and home dialysis. They will be trained in wholesome renal care for chronic kidney disease patients.

Bachelor of Science in Medical Laboratory Technology (BSc MLT)

Laboratory services are essential for diagnosis and study of various diseases. Laboratory science has been advancing rapidly and CMC has developed appropriate laboratory facilities and Technologist Training Programmes as needed. Competent technologists with advanced scientific knowledge and skill are needed in all branches of laboratory technology. In response to this, the Bachelor of Science degree Programme in Medical Laboratory Technology, affiliated to the Tamil Nadu Dr. M.G.R. Medical University, Chennai, was started in 1993.



Bachelor of Science in Medical Record Science (BMRSc)

The Medical Record Science course started as a one year training programme in 1962 and was upgraded to a Bachelor's degree course in 1982. From 1987 it has been affiliated to the Tamil Nadu Dr. M.G.R. Medical University, Chennai. The course is designed to acquire sufficient knowledge of the prevailing system of scientific documentation with computerization, information search and retrieval; to get familiar with large databases dealing with various entities such as diseases, pathological conditions, symptoms, drugs & concepts such as data mining; to learn the classification & codification of drugs, diseases & their treatment; to acquire knowledge of the current trends in Medical Record Science like health insurance, third party payers and document scanning etc. The students will learn basic sciences, medical terminology, International classification of diseases, telemedicine, billing design etc.



Bachelor of Science in Medical Sociology

Medical Sociology is about studying health and illness behaviour and the social structure of systems which deliver health care services. What makes medical sociology important is the critical role social factors play in determining or influencing the health of individuals, groups, and the larger society. It is a well-recognized field that offers great preparation for graduates in the health-related professions. A bachelor's degree course in Medical sociology can be a stepping stone to several different careers including hospital and health administration and management.

Medical Sociologists are interested in the qualitative experiences of patients, often working at the boundaries of public health, social work, demography and gerontology to explore phenomena at the intersection of the social and clinical sciences. Persons with a background in medical sociology, work in hospitals, nursing homes, or social service agencies that provide assistance to those with medical problems and disabilities. They are also employed as providers of social support for patients, family intervention specialists, hospice/palliative care workers, personnel specialists, public relations officers, health project managers, coordinators of hospital volunteers and research assistants. Health care industry has recently recognized the importance of posting medical sociologists in hospitals for better health care and they are appointed as Counselors, Medical Sociologists in Hospitals. The graduates of B.Sc. Medical Sociology are eligible to apply for the Masters Degree course in Medical Sociology, M.B.A. in Health Systems Management and Masters in Hospital/Health Administration etc.



Bachelor of Science in Nuclear Medicine Technology



Nuclear Medicine Technology is the medical specialty concerned with the use of small amounts of radioactive material for the diagnosis of various diseases and also treatment of a few diseases. Nuclear Medicine scans reveal biological processes that take place at cellular and sub-cellular level and hence are now accepted as an integral part of molecular imaging. Technologists apply the art and skill of diagnostic imaging and treatment through safe and effective use of radionuclides. They participate in the daily operation of the Nuclear Medicine department under the supervision of Nuclear Medicine physicians.

This training enables supervised experience and helps in acquiring adequate knowledge and developing technical skills for the use of sophisticated instrumentation such as gamma cameras, thyroid uptake probes, and PET scanner, dedicated software to generate digital images, and preparation of radio-pharmaceuticals, as they are applied to investigate a wide variety of disease processes. It also includes maintaining patient records and documents regarding the amount and type of radio-nuclides that is received, used and discarded.

When preparing radio pharmaceutical, technologists adhere to safety standards that keep the chance of radiation exposure as low as possible to staff and patient.

The course is designed to enable the students to acquire knowledge and skill in Medical Radio Isotope Technology so that after passing the final examination and completing the requirements of internship, they can function as qualified technologists in Nuclear Medicine departments.

The course is intended to make students:

- Acquire adequate knowledge of the basic medical subjects in the practice of radiography and medical imaging.
- Develop skill and knowledge of various Nuclear Medicine Imaging and therapy procedures.
- Acquire adequate knowledge in Radiochemistry, Applied physics, Radiation physics and equipment physics.
- To develop proper attitude of compassion and concern

Bachelor of Science in Neuro-Electrophysiology

This is a three year bachelor's degree course, which would give the technology student, a comprehensive and up to date knowledge of the various diagnostic neurophysiology tests. Neuro-electrophysiology tests are vital for the diagnosis of Neurological disorders like Epilepsy, Muscle and Nerve disorders and disorders affecting the visual pathways and spinal cord. This would include recording of electrical activity from the brain, testing the conduction pathways of both the central, autonomic and peripheral nervous system. This course would expose the students to Electroencephalography (EEG), Video telemetry EEG, Nerve conduction studies and Electromyography (EMG), Repetitive Nerve Stimulation Studies (RNS), Single Fiber Electromyography (SFEMG), Multimode Evoked Potential Studies (EVP), Autonomic Nervous System testing (Head Up Tilt Test with Finopres) with measurement of Cardiovascular dysautonomia and Trans Cranial Magnetic Stimulation (TMS). These tests help the Neurologist at making diagnosis, and to prognosticate and assess response to treatment. The course includes exposure to basic and course related anatomy, physiology, biochemistry, electronics, medical terminology, computers, with both theory and practical classes. The trainees would be given a comprehensive hands-on training on all the various neurophysiological tests and there would be periodic internal assessment and University examination.

Bachelor of Occupational Therapy (BOT)

Occupational Therapy plays an integral part in the process of rehabilitation of patients with disability and aims to restore the patient to the greatest possible physical, mental, social and economic independence. An Occupational Therapist is therefore an integral part of every team involved in the treatment and

rehabilitation of both physically and mentally challenged persons. Conditions where Occupational Therapy is vital include stroke, Parkinson's disease, brain injury, arthritis, amputation, low back pain, hand injuries, cerebral palsy, specific learning disability, autism, psychiatric conditions like schizophrenia, mania, depression, alcohol and drug abuse. Treatment is carried out through a variety of activities in hospital wards and departments, in specialized units and schools, in rehabilitation centres, sheltered workshops and in the patient's home. The occupational therapist directs treatment and selects those activities that can be applied to overcome the



difficulties of individual patients. Treatment may include creative skills, social and recreational pursuits, self-help devices and productive work. Treatment is carried out to restore or compensate for deficits in self-care, functional ability, cognitive functions, hand functions, interpersonal skills, work skills and learning ability. Job opportunities are varied. An Occupational Therapist would be invaluable in variety of health care settings such as hospitals, rehabilitation centres for physical and psychiatric disorders, special schools and centres for children, de-addiction centres and geriatric homes.

During the first year of the course, the students gain knowledge in basic sciences related to Occupational Therapy like Anatomy, Physiology, Psychology and Sociology and learn a variety of therapeutic activities. From the second year onwards the students learn about the pathological conditions causing disability. They also gain knowledge and experience in assessing and providing intervention for these conditions through lectures and clinical placements.

Bachelor of Sciences in Operation Theatre and Anaesthesia Technology

The specialty of anaesthesia has advanced tremendously in many different ways both scientifically and technologically. More and more advanced types of surgeries are being performed in patients from newborn babies to geriatric patients. The type of equipment that is required to make anaesthesia and many surgeries possible have become more sophisticated and specialized. So the technological assistance required for all this has become more specialized. The learning and understanding of anaesthesia technology has to keep pace with the advancement of science of anaesthesiology.

The operation theatre and anaesthesia technologist will assist the anaesthesiologist in setting up the anaesthetic equipment in the theatre, administering anaesthesia and assist in various procedures. They will also be involved with regular maintenance and upkeep of the anaesthetic equipment and monitoring devices.

The three year course is aimed at giving them a comprehensive overview of anatomy, physiology, biochemistry, pharmacology, microbiology, medicine, general nursing principles, sterilization techniques and ethics. They will be exposed to work in the intensive care units. Trainees will be taught the basics of anaesthetic management in specialties such as Obstetrics, Paediatrics, Neuro, Orthopaedic and General surgery and will be given ample practical experience in all these areas. They will be exposed to anaesthesia services outside the regular OR as in MRI, Cardiac cath lab, Endoscopy, Day care etc. They will undergo training in Basic Life support, airway management in emergency situations and cardiopulmonary resuscitation. On successful completion of the course, they will be competent to assist the anaesthesiologists in all surgeries and emergency situations

Bachelor of Optometry (B.Optom)



Eyes add beauty and the vital function of VISION to the human body. The science of Vision (Optometry) deals with the skill to identify vision related problems and the technology to combat it. Do you know, that whether you liked it or not beyond 40 years of age you are not going to be able to read this text that you are reading now. Yes! You will need reading glasses. You probably have grandparents who have had cataract surgery after which their sight was restored. These are a few glimpses and magical moments into the diverse life that an optometrist (Vision Scientist) is part of.

We aim to produce highly skilled and com-passionate optometrists

(Vision Scientists) who care about the patients they serve, the communities in which they practice and have a passion for research.

If you have a people friendly sense (this is NOT A LAB BASED profession) with good communication skills, can get along well as a team, have the drive to evolve holistically (curricular and extracurricular) and the dedication to reduce India's current blindness percentage- Consider being an Optometrist (Vision Scientist).

A strong believer in HOLISTIC education, the Optometry (Vision Science) program provides space and time for sports, dance, music, art and religion. This program and profession DOES NOT INVOLVE NIGHT DUTIES.

Opportunities are many on completing the course. You can choose to be a Clinical (patient related) Optometrist, a Vision Research Scientist, a teaching job in a College of Optometry or a Private entrepreneur owning an optical showroom. Various options for higher study through Masters, PhD and Post-doctoral positions exist nationally and internationally. The career guidance-networking structure provided by the faculty and alumni of the program will always be there to help you discover your dream.

The course encourages ALL students to be in-scholars subject to hostel availability.

Bachelor of Physiotherapy (BPT)

There is a great need for health professionals who have been trained in the rehabilitation of the physically challenged. Physiotherapy is a health care profession concerned with identifying and maximizing quality of life and movement potential within the spheres of promotion, prevention, diagnosis, treatment / intervention and rehabilitation.

The physiotherapist is trained in the physical procedures required in the rehabilitation of conditions such as hemiplegia, paraplegia, head injury, cerebral palsy, orthopaedic conditions like fractures, joint replacements, sports injuries and in the care of patients admitted in the Intensive care unit (ICU) and those who undergo cardiac and lung surgery.

Those who have the passion to better the lives of the 'differently abled' would be ideally suited for this professional training programme. The course comprises of exclusive classroom teaching and demonstration in the first year and clinical teaching in the subsequent years and learning by doing is given more emphasis.



Subjects like Anatomy, Physiology, Exercise therapy, Electrotherapy, Biomechanics, Manual therapy and Clinical Orthopaedics are an integral part of the curriculum. At the end of the course the student will be equipped with the knowledge and skills in the use of physical agents as well as principles to treat and alleviate pain and disability caused by various illnesses.

This is a rapidly expanding field in healthcare and specialization in orthopaedics, paediatrics, neurology, cardiopulmonary, sports and community physiotherapy are available in other centres in India and abroad. Doctoral programme in specific topic of interest can also be pursued by the students to reach greater heights and set new trend in Rehabilitation.

Bachelor in Prosthetics & Orthotics (BPO)

(Recognized by the Rehabilitation Council of India (RCI), New Delhi)

Bachelor in Prosthetics & Orthotics course offers training in the field of rehabilitation of locomotor disability by the making of Prostheses and Orthoses for persons with disability. This evidence based theory and practical, hands-on course helps students to understand the human body and design appliances with theoretical knowledge of biomechanics, materials and engineering principles. It also includes prescription, design, fabrication, fitting and alignment of all the orthopedic devices. The practical session include clinical examination and evaluation of patients as part of the rehabilitation team in order to assess, prescribe, fabricate, check out and follow up the appropriate devices.



Examination will be conducted at the end of each year, both in theory and practical. The qualified P & O professional plays a major role in the rehabilitation of person with disability and in making clinical decisions. The other aspects include management & supervision, training and teaching, community services etc. Once qualified, a prosthetist or an orthotist can work in collaboration with other healthcare professionals to provide a holistic service to address issues such as polio, amputation, rheumatoid arthritis, cerebral palsy, diabetes, stroke, traumatic brain injury, spinal cord lesions, congenital malformations etc. After successful completion of the course, the candidate will be eligible to work in hospitals, rehabilitation centres or institutes, trauma centres and various private companies in India and abroad. Avenues for higher studies & research in the area of Prosthetics and Orthotics are available.

Lateral Entry of Bachelor in Prosthetics & Orthotics

Lateral entry directly into 3rd year only for diploma holders in Prosthetics & Orthotics from RCI recognized institutes with minimum of 3 years working experience after the completion of Diploma in Prosthetics & Orthotics.

Bachelor of Science in Radiology Imaging Technology

The Department of Radiology offers B.Sc. in Radiology and Imaging techniques, under the auspices of The Tamil Nadu Dr. MGR Medical University. The curriculum is such that all modalities in Radiology are covered in a fixed pattern over 3 years with assessments every year. Classes are taken by dedicated teachers (radiographers, radiologists, physicist, doctors of other specialties) to cover all the required topics.



Each student is posted for adequate time in all modalities. While being posted in plain X-ray, Barium and Intravenous Urogram rooms, the student is taught and supervised by staff in the room and given opportunity to independently use the machines when he or she is ready. In the CT scan and MRI rooms, adequate exposure is given as these are crucial tests being done in investigating difficult problems. The DSA machine (which helps in studying the blood vessels in patients with bleeding or tumours in the brain) are also handled by the students who are exposed to State of the Art equipment.

The students have common anatomy, physiology and ethics classes with other paramedical students. Radiology department has 50 doctors and 100 radiographers. Senior staff take classes for the students. During the internship, students are encouraged to perform investigations and are optimally supervised.



At the end of this course, job opportunities are available for students in India as well as abroad. Being an important area in diagnosis and decision making, an individual who has done this Course would be able to have flexibility in a well equipped department. For further training, a student can apply for a Masters program as well (not in CMC).

Our department in addition to Digital Radiography and Computed Radiography, has Picture Archiving & Computerised System by which all investigations are immediately available on computers for the doctors to see across the hospital. We have 12 ultrasound and Doppler machines, 3 CT machines and 3 MRI machines (two 1.5T and one 3T). We have a Diploma in Radiography course being conducted by the CMAI since 1954. Students would benefit from doing the course in our Institution as there is a very large volume of work in all areas being done with excellent supervision.

Bachelor of Science in Radiotherapy Technology

Radiation Therapy is the medical use of ionizing radiation, generally as part of cancer treatment to destroy the tumour cells and spare the normal tissues. High- energy x-rays and gamma rays generated from sophisticated equipment such as Medical Linear Accelerators, Telecobalt and High-dose rate Brachytherapy remote after-loading machines are used to treat cancer patients by various radiotherapy techniques such as Intensity Modulated Radiotherapy (IMRT), Three-dimensional conformal radiotherapy (3DCRT), Stereotactic

Radiosurgery, Brachytherapy and many other special techniques. During this course, students will learn about human anatomy and physiology, various types of cancers, patient care, radiographic techniques and different radiotherapy treatment techniques in addition to basic radiation physics and the physics and technology of radiotherapy equipment. This course will also provide invaluable practical experience which includes hands-on use of the radiotherapy equipment mentioned above. The students will interact closely with the team of radiographers, radiation oncologists, medical physicists and nurses that will immensely help in enhancing their practical knowledge, skill and expertise.



B.Sc. Respiratory Therapy

Respiratory therapists specialize in the evaluation, treatment, education and rehabilitation of patients with respiratory diseases. They play an important role in the team that provides respiratory care under the supervision of a physician. The strength of respiratory therapists lies in the use of evidence-based clinical practice guidelines allowing them to develop, recommend and implement effective care plans. In collaboration with physicians they can develop disease-based clinical pathways, and disease management programs. They enhance the quality of the clinical work in the outpatient's area, the pulmonary medicine wards, the



Pulmonary Function Lab, the Sleep Lab and the Bronchoscopy suite. They would have the skills to supervise and help the patients with problems relating to the use of various inhaler devices and various respiratory therapy procedures. They would help in the management of chronic diseases such as COPD, Bronchiectasis, Interstitial lung disease, Sleep Apnoea, Asthma and allergies and would be familiar with Bronchial Hygiene Therapy and Pulmonary Rehabilitation. They would have the ability to work with respiratory equipment such as oxygen concentrator, mechanical ventilator, pulse oximeter and cardiac monitor. Part of their training would be in the Intensive Care Unit (ICU) where they would learn to help in the management of patients on ventilators. They would be conversant with all kinds of basic and advanced lung function testing including Spirometry, measurement of Lung Volumes, Diffusing capacity, Body Plethysmography, Bronchoprovocation testing, Cardio Pulmonary exercise testing and Allergen Skin Testing. They would learn to perform sleep studies and assist in diagnostic and therapeutic bronchoscopy related procedures. They would also be trained in patient education with regard to the respiratory diseases. The need for Respiratory therapist is growing due to a large increase in respiratory diseases. This training would equip the trainees to fit in to various hospitals under the supervision of a general or chest physician. They could work in pulmonary function labs, sleep labs and ICUs. Respiratory therapists are versatile members of the health care delivery system.

Allied Health Sciences

4.3 Diploma Courses

Please check the relevant admission bulletin on the CMC website for updated information

List of AHS Diploma Courses offered and distribution of seats & duration of course

Course #	No. of seats			Duration	
	Open category	Sponsored category	Total	Course	Internship
Diploma in Anaesthesia Technology	4	4	8	2 yrs	1 yr
Diploma in Dermatology Laboratory	1	1	2	1 yr	-
Diploma in Hand and Leprosy Physiotherapy Technology	3	3	6	2 yrs	6 months
Diploma in Hospital Equipment Maintenance*	4	4	8	1 yr	6 months
Diploma in Medical Radiation Technology (Radio diagnosis)	1	5	6	2 yrs	-
Diploma in Optometry	3	3	6	2 yrs	-
Diploma in Prosthetics & Orthotics	2	2	4	2 yrs	-
Diploma in Urology Technology	1	1	2	2 yrs	-

Entrance Test – Science based paper

* Eligibility – Diploma in Engineering; Entrance Test – Specialty paper

These courses are affiliated with appropriate national and regulatory bodies specifically mentioned under each course. All admissions are provisional pending approval by the regulatory bodies. Some of these are affiliated to the Christian Medical Association of India. Approximate fee structures are given in annexure.

Diploma in Anaesthesia Technology

(Awarded by the Christian Medical College Vellore Association)



Recent advances in critical care medicine have enabled major surgery to be performed on very sick patients. This requires skilled anaesthesia and postoperative care. It has now been recognized that anaesthesiologists require trained help to handle these procedures. In recognition of this, the Indian Society of Anaesthetists plan to implement "minimum standards for patient care," which makes it mandatory for an anaesthetist to have a skilled assistant for at least the start and end of every anaesthetic procedure. These skilled assistants need to be trained.

The course will cover basic Anatomy, Physiology and Pharmacology especially with respect to air way management and relevant medication. An introduction to sterile techniques, management of emergency situations including cardiopulmonary resuscitation and understanding of equipment will be an essential part of the course.

Diploma in Dermatology Laboratory Technology
(Awarded by the Christian Medical Association of India)

The Department of Dermatology, Venereology and Leprosy has introduced the 1 year Diploma in Dermatology Laboratory Technology course to strengthen laboratory services in Mission hospitals and other centers with Dermatology services. We do an average of 18,000 laboratory tests per year. The course will provide training in Dermatology, Venereology and Leprosy laboratory techniques and tests. They will also be taught principles of sterilization, care of microscopes and instrumentation. The students will be posted in Microbiology, Clinical and General Pathology departments of CMC and SLRTC Karigiri to gain additional skills. The Dermatology faculty of CMC will be involved in their training and evaluation. The diploma is awarded by CMAI. The fee structure will be as per CMAI guidelines. Minimum Qualification for eligibility is Standard XII pass. In-service candidates are also eligible.

Diploma in Hand and Leprosy Physiotherapy Technology
(Awarded by the Christian Medical College Vellore Association)



In India there is an ever increasing need for specialized care with hand therapy for mutilated injuries of the hand, neglected burns, nerve injuries, infection, stiffness, leprosy, arthritic conditions, brachial plexus injuries and birth palsy in children. All these conditions require accurate pre and post-operative assessment and devoted after-care by technical personnel whether treated by conservative or surgical methods. The need for Hand Therapy and Leprosy physiotherapy technical staff, to become part of the Hand Care Team is a growing demand in the entire country as in the West.

Hand Care was pioneered in Vellore by the legendary Dr. Paul Wilson Brand. Many technical staff who have passed out after their training in CMC, Vellore are working at other private & public health centres all over India. The Dr. Paul Brand Centre for Hand Surgery, Leprosy Reconstructive Surgery and Peripheral Nerve Surgery (HLRS) will nurture, educate and inculcate the

science and art of Hand and Leprosy physiotherapy and other peripheral nerve physiotherapy to young motivated students aspiring to rehabilitate the hands of individuals in all sections of the community in our country. Basic instruction and extensive practical training in therapy techniques of hands and feet will be given for 4 semesters. During the 4 semesters, knowledge and training in Basic Sociology, Basic Health Psychology, Essential Leprosy (Dermatology), Basic & Regional Anatomy, Basic Physiology, Microbiology, Pathology, Basic Surgical Aspects, Wound & Tissue Healing in Hand, Basic Surgical Nursing, Ophthalmology related to Leprosy, Physiotherapy principles and Hand Rehabilitation, Clinical Orthopedic and Clinical Neurology centred on the hand will be imparted. This will be followed by six months of internship, after the final examinations.

The students on completion of this course should be able to work in institutions in rural, urban areas and city centres where patients with hand and peripheral nerve problems are treated, and where Orthopaedic

departments are available. The Technical personnel will be equipped to work in hospitals under the direct supervision of doctors or physiotherapists.

Diploma in Medical Radiation Technology (Radiodiagnosis)

(Awarded by the Christian Medical Association of India)



Diagnostic and interventional radiology plays a very vital role in patient care in any modern hospital. This two year Diploma course trains a person to be a Radiologic Technologist, who is an Allied Health medical professional.

This course is designed to impart training and practical experience in taking x-rays (Radiographs) of the human body using basic x-ray equipments and other special modalities such as CT and MRI. The Department of Radiodiagnosis in CMC is well-equipped with advanced imaging modalities and a fully fledged Picture Archival and Communication System. The radiology images in the hospital

are stored and distributed digitally using computer networks (filmless radiology).

Diploma in Optometry & (Ophthalmic Technology)

(Awarded by the CMC Vellore Association & Christian Medical Association of India)



Optometry is a branch of Vision Science that deals with the study of the eye and its optics & function. You will be trained, at the department of Ophthalmology in the field of vision science, in the study and diagnosis of various types of refractive error, eye diseases, hands-on training in specialties like contact lenses, low vision aids, ophthalmic instruments and assisting an Ophthalmologist. Opportunities following the completion of the course include being an Optometrist, Clinical Assistant, employment in Eye Hospitals and setting up your own Optical Showroom. There are opportunities to do Bachelors, Masters and PhD programs as well.

Diploma in Prosthetics & Orthotics (DPO)
(Recognized by the Rehabilitation Council of India)

This course gives training in the theoretical background and practical skills involved in the design, fabrication and fitting of Prostheses (artificial limbs) and Orthoses (braces, calipers) and is aimed at producing a professional who will be able to function as a member of the Rehabilitation team in a clinical environment. Aiming at these objectives the course syllabus include lectures, classroom work, practical demonstration, and practical work in Prosthetic and Orthotic laboratories, during which the students are introduced to Prosthetic and Orthotic workshop practices and learn the fundamentals of manufacturing, measuring and



fitting of appliances. Research, teaching, training and outreach service programs are part of the course curriculum. Examinations will be conducted at the end of each year, both in theory and practical. Once qualified, a Prosthetist & Orthotist can work in collaboration with other healthcare professionals to provide holistic service to address issues such as polio, amputation, rheumatoid arthritis, cerebral palsy, diabetes, stroke, traumatic brain injury, spinal cord lesions, congenital malformations etc. After successful completion of the course, candidates can work as a Prosthetist & Orthotist in various Government and Non Government organizations, multinational companies in India and abroad. Avenues for higher studies & research in the area of Prosthetics and Orthotics are available.

Eligibility: A pass in the Higher Secondary Examination (10+2) in science with Physics, Chemistry, Biology and / or Mathematics.

Diploma in Urology Technology
(Awarded by the Christian Medical Association of India)

Urology Technology Course is a two year programme at Christian Medical College under the auspices of Christian Medical Association of India. The objectives of the course are to acquire knowledge of basic human biology relevant to urology, to acquire skills related to technical aspects of the functioning and maintenance of instruments & equipments used in Urology. Also, to acquire skills related to assisting urological procedures in the operation theatre and clinic. The subjects taught in the first year are Anatomy, Physiology and Biochemistry, Pathology, Pharmacology, Microbiology and Sterilization techniques, Nutrition, Ethical and Legal practice, Patient care & Hospital practice. The subjects taught in the second year are Urology technology - common urological procedures, Common urological presentations, Physics, Genetics, Medical electronics, Allied specialties and Office administration. At the end of two years, an examination will be held for the Diploma in Urology Technology.

Allied Health Sciences

4.4. Post Graduate Diploma & Fellowship Courses

Course Name	Eligibility	Type of paper	Duration	No. of Seats
PG Dip in Assisted Reproductive Technology	BSc with Zoology/Biochemistry/ Microbiology/ Medical Laboratory Technology. Age not more than 30 years	Science	1.5 years + 6 months internship	2
PG Dip in Cardiac Technology	BSc with English and as main subject Physics or Chemistry or Zoology or Botany or Biology	Science	2 years + 1 year internship	6
PG Dip in Clinical Pastoral Counselling	BTh or BD Degree of Serampore University or its recognised equivalent OR any degree (eg. B.A. or B.Sc. or B.Com or BBA) with three years of involvement in some form of lay ministry of the Church. No age limit.	Specialty-Counselling	1 year	5
PG Dip in Cytogenetics	BSc with 1st class in Physics/ Chemistry/ Botany/Zoology/ Biochemistry/Microbiology/ Biotechnology or MLT.	Science	2 years	2
PG Dip in Dietetics	BSc Home Science or Bsc in Nutrition and Dietetics	Specialty - Dietetics	1 year + 6 months internship	4
PG Dip in Genetic Diagnosis Tech.	BSc with 1st class in Botany/ Zoology/ Biotechnology/ Biochemistry/ Microbiology	Science	2 years	2
PG Dip in Health Economics, Policy & Financial Management	Bachelor's degree or a direct Master's in any discipline from any recognised University.	Non-science	1 year	4
PG Dip in Health Management	Bachelor's Degree in any discipline or direct Master's in any discipline through a recognised University	Non-science	1 year	4
PG Diploma in Health Administration	Graduate (Medical, Management & Public Health degree)	-	37 weeks	20
PG Dip in Histopathological Lab. Technology	Pass with minimum 50% marks in BSc MLT, BSc with Biology or Botany/ Zoology or Biochemistry or Microbiology as main subject. Or BSc Physics or Chemistry as main with Botany or Zoology as ancillary	Science	1 year	2

CourseName	Eligibility	Type of paper	Duration	No. of Seats
PG Dip in Hospital Administration	Bachelor's Degree in any discipline from a recognised University	Non-science	1 year	8
PG Dip in Medical Microbiology	BSc with English as the medium of instruction and Biology (Botany/ Zoology) as main subject, BSc MLT, BSc Microbiology as main or ancillary subject from a recognised University with 1st class. Students who have a post-graduate degree need not apply.	Science	2 years including 6 months practical training +6 months internship	6
Fellowship in Analytical Clin. Pharmacology	M.Pharm (any discipline), M.Sc (Chemistry)	Specialty	2 years	2
Fellowship in Hospital Admin.	MBBS/BDS or a Master's degree in any discipline.	Non-science	2 years	8
Fellowship in Hospital Chaplaincy	Theologically qualified and ordained pastors	Interview	1 year	3

Please check the relevant admission bulletin on the CMC website for updated information

These courses are affiliated with appropriate national and regulatory bodies specifically mentioned under each course. All admissions are provisional pending approval by the regulatory bodies. Some of these are affiliated to Universities and the Christian Medical Association of India, but many of the PG diplomas are awarded by the Christian Medical College Vellore Association. Approximate fee structures are given in annexure.

PG Diploma in Assisted Reproductive Technology
(Awarded by the Christian Medical College Vellore Association)

Infertility treatment has been rapidly evolving. The reproductive medicine unit in CMC hospital, Vellore offers services in all aspects of assisted reproduction. Assisted reproductive technology (ART) collectively refers to the various laboratory procedures performed in the treatment of the infertile couple. This includes handling of human oocytes (eggs), sperm and embryos. The laboratory plays a central role in a reproductive medicine unit. The services provided include semen analysis, preparation and cryopreservation techniques together with IVF techniques such as oocyte insemination, embryo culture, intracytoplasmic sperm injection (ICSI), blastocyst culture & transfer, embryo cryo-preservation and laser assisted hatching. There are very few centres offering such training courses in India and the scope for employment and research is immense.



PG Diploma in Cardiac Technology

(Awarded by the Christian Medical College Vellore Association)

This course is designed to provide broad-based and up-to-date technical training that is relevant to current cardiac clinical practice. The areas in which training is provided include electrocardiography, treadmill stress testing, 24-hour ambulatory ECG monitoring (Holter), cardiac catheterization laboratory technology and electrophysiology. The course includes theory classes, practical "hands on" training and periodic evaluations. Candidates successfully completing the course will be adequately equipped to independently provide technical assistance at any advanced cardiac centre.

**PG Diploma in Clinical Pastoral Counselling**

(Affiliated to the Serampore University)

This Programme is intended to

- Provide an understanding of healing and wholeness from a Christian perspective
- Provide an awareness of and sensitivity to the various areas of need for healing
- Provide an interdisciplinary approach in dealing with issues in healing
- Impart skills in Pastoral care and counselling
- Enable the development of attitudes and sensitivity to relate oneself to those in need
- Develop and enhance the inner strength and potential required for personal growth
- Help recognise and utilize spiritual resources
- Help understand the Biblical vision of the Church as the Healing Community and thereby enter creatively the Healing Ministry of the Church
- Emphasize the centrality of Christ while being sensitive to the religious plurality and spiritual traditions of India.

PG Diploma in Cytogenetics

(Awarded by the Christian Medical College Vellore Association)

The two-year diploma in cytogenetics is awarded by the Christian Medical College Vellore. This is an in service training programme for candidates who have completed B.Sc. in any life sciences with a first class. Ability to understand English is essential

Cytogenetics is the study of chromosomes. Abnormalities of chromosomes may be seen in patients with a variety of disorders including intellectual disability, delayed or abnormal development including sexual development, infertility, recurrent abortions and leukemia and other cancers. Chromosomal analysis is helpful to make an accurate diagnosis, predict outcome and plan treatment. It can also be used for prenatal diagnosis of some diseases.

Using supervised bench training and lectures, this program aims to train cytogenetic technologists who will be able to:

- identify normal and abnormal chromosomes using a microscope, computer and software relevant for chromosomal analysis.
- obtain chromosomes from blood, bone marrow, chorionic villus, amniotic fluid and solid tissues.

- prepare reagents and use and ,maintain equipment required for cytogenetic analysis.
- use appropriate cytogenetic terminology.

They will also be exposed to fluorescence in situ hybridization (FISH) analysis which is used to detect specific changes in DNA and basic molecular techniques such as polymerase chain reaction (PCR).

There is an increasing awareness of the usefulness of cytogenetic analysis in medical practice. However, there are relatively few people with skills in cytogenetics, so successful candidates will be able to find jobs in any cytogenetics / cell culture or molecular genetics laboratory both in India as well as overseas.

PG Diploma in Dietetics

(Awarded by the Christian Medical College Vellore Association)

Dietetics is an applied health science which involves translating the sciences of nutrition and food to promote good health. In short, it is Nutrition, Food & Health!

Dietitians are highly valued healthcare professionals. They assist individuals and families in choosing food for adequate nutrition in health or disease throughout their life supervise the preparation and service of food in groups, develop modified diets and participate in nutrition research.

The Department of Dietetics at Christian Medical College was established in the year 1950. It is a clinical support department which offer s food service to the patients getting hospitalized. Dietitians take care of medical nutrition therapy. Diet counselling is given for all patients both hospitalized as well as outpatients, who require medical nutrition therapy. Teaching and training is the other core function of the department; it is involved in teaching nursing students, as well as other health care team members in nutrition and dietetics and undertakes collaborative research work. The department is actively engaged in public awareness and nutrition programs. It is one of the centers recognized by the Indian Dietetic Association for offering a six month registered dietitian internship training programme for candidates who aspire to become registered dietitians.

P.G.Diploma in Dietetics Course is a one year in-service training programme followed by six months of compulsory internship. The focus is on practical aspects, hands on experience and exposure to real life situations. During the course, emphasis will be placed on clinical dietetics and management of food service in hospitals. The course will inculcate in the students the art and science of medical nutrition therapy, fundamentals of organization and management of food service in hospitals.



Employment opportunities: After completion of the course, graduates can work as clinical dietitian in hospitals or dietitians in health centers, schools, multinational companies, corporates, star category hotels, factories, sports and health clubs and as clinical nutritionist in nutraceutical companies and as research dietitian in government and non-government institutes. The graduates may also work as private diet consultant after clearing the Registered Dietitian board examination conducted by the Indian Dietetic Association.

PG Diploma in Genetic Diagnosis Technology

(Awarded by the Christian Medical College Vellore Association)

This course was started in 2008 by the Department of Haematology. This course is designed for graduates of life sciences who wish to learn more about techniques used in molecular and cell biology laboratories. This course will equip a science graduate with the necessary skills to function independently in a molecular biology laboratory. The Programme will have didactic lectures but will concentrate on hands on learning of a range of molecular biology techniques. This will include DNA and RNA extraction, polymerase chain reaction (PCR), gelelectrophoresis, restriction fragment length polymorphisms, various techniques involved in screening for mutations, reverse transcriptase PCR, quantitative PCR and DNA sequencing. Students will learn about cell culture techniques, microscopy and imaging. They will also be involved in learning about flow cytometry for blood samples for cancers and stem cells. While the first year will be used for learning these techniques, in the second year they will be able to perform these techniques on their own so as to understand their principles better and become confident with independent functioning in a supervised environment. Apart from this, the students will also be expected to attend departmental seminars and make presentations in them.

PG Diploma in Health Economics, Policy & Financial Management (HEPFM)

(Awarded by the Christian Medical College Vellore Association)

This course is offered for medical college faculty interested in finance management, accountants, superintendents/health administrators of hospitals, other health care students having an interest in health economics and economic researchers (students, teachers or research scholars). It aims to introduce the basic conceptual tools and theoretical aspects of health economics and to apply them in day-to-day health care operations, apply health economics as a tool for policy analysis and make cost effective, scientific and evidence based choices in health care, to use tools of health economics for financial governance in the private NGO and public sectors and equip health professionals to the changing needs of health care management involving the economics of health care insurance. At the end of the course it is expected that the candidates will be able to make choices based on economic basis of health care interventions, cost effectiveness, cost benefit analysis, cost utility analysis. Topics covered include basis of financing and health care, principles of accounting, financial management and research designs.

The departments involved will include various departments of CMC especially the Accounts department, CHAD, RUHSA and other clinical departments. The student is expected to complete a series of projects involving the skill and application of the specialty. The department where the projects are done will mentor the candidates, which include settings of primary, secondary and tertiary care. It is expected that the student will have a certain aptitude for quantitative skills and an interest in taking financial decisions. Ability to make decisions on investments & communication and leadership skills will be required.

In the area of globalization and insurance, economics and finance will play a major role in the development of hospitals with public and private sector. The health sector demand for financial analysts and economists is expected to increase. Many mission hospitals need experienced finance managers. These opportunities are expected to increase in the future.

PG Diploma in Health Management (PGDHM)

(Awarded by the Christian Medical College Vellore Association)

The PGDHM is a one-year, well designed, carefully planned, practical- oriented training, aimed at developing individuals interested / involved in managing health and development projects. This course is in response to the need and demand for competent and committed personnel in health management, with the attitude, aptitude,

knowledge, skills and experience in the areas of Applied Sociology, Health and Nutrition, Personal Growth and Development, Social Research Method, Participatory Planning and Management, Community Management, Organizational Development and Communication Management.

An integral part of the course is the field study, elective and practicum, providing an opportunity for effective self-directed learning and improving one's own personality. This experience equips the students with skills to bring about planned change in the community through conducting population based studies, implementing intervention programmes and evaluating their outcomes. A wide variety of training methodologies including group-work, discussions, field-visits, exercises, games, videos, lectures, placements etc., make the course participatory, interesting and meaningful. Those who have completed this course in the past are well placed in different levels of management in NGOs, Government and National / International Funding Agencies. The PGDHM course is intended to prepare team leaders for integrated health and development projects, planners in health care industries, effective trainers in health NGOs, human resource development, rehabilitation, health and development projects and execution of research projects.



PG Diploma in Health Administration (PGDHA) in affiliation with Tata Institute of Social Sciences (TISS), Mumbai



This 37 weeks course is designed to meet the needs of those currently employed in a managerial capacity in a Private or Public health care sector institutions, medium or large institutions, and the administrators in community health, long-term care, primary care, multi-service centres, and community health boards.

The program provides a conceptual background for the increasingly complex managerial tasks performed in health care institutions and equips the students with the expanded skills and competencies that will enable them to efficiently manage and lead in their individual health care organizations and to succeed in their careers.

This course is jointly run by the School of Health and Systems Studies (SHSS), TATA Institute of Social Sciences, Mumbai and the RUHSA Department, Christian Medical College, Vellore.

PROGRAM OBJECTIVES:

1. To orient the professionals about the current health service systems and recent developments in health sector in the country.
2. To enhance the capacity to plan and effectively implement health interventions at various levels
3. To develop skills in managing resources such as human, material and financial resources to manage the organizations more efficiently.
4. To enhance skills related to effective communication, networking, advocacy and inter-sectoral coordination.

COURSE RECOGNITION

Programme is approved and accredited by the Academic Council of School of Health System Studies, Tata Institute of Social Sciences, Mumbai

PG Diploma in Histopathological Laboratory Technology

(Awarded by the Christian Medical Association of India)



This is a one year course intended to train students in processing tissues and staining of sections for microscopic examination, autopsy techniques and preservation and mounting of specimens for display in pathology museums. They will also be trained in cytological methods which are widely used in the early detection of cancer in pathology laboratories and cancer hospitals. The examination at the end of the course is conducted by the Laboratory Training Committee of the Christian Medical Association of India leading to the CMAI Postgraduate Diploma in Histopathological Laboratory Technology.

PG Diploma in Hospital Administration (PGDHA)

Hospitals are extremely complex organizations, even those that are relatively small. They provide a very wide



range of medical services, products (mainly pharmaceuticals) and offer hospitality services. There is a need for efficient administrators who can plan, coordinate and manage hospitals to ensure smooth and efficient services. Recognizing the need for quality training in hospital management the Department of Hospital Management Studies & Staff Training and Development, CMC in collaboration with the Loyola Institute of Business Administration (LIBA), Chennai offers Post Graduate Diploma in Hospital Administration (PGDHA). LIBA is one of the leading business schools in India, and has a wealth of experience in providing top class management education. CMC, on the other hand offers teaching from practicing

hospital managers and an extensive exposure to the organization and administration of one of the largest teaching hospitals in the world.

PGDHA is a one-year full-time course, resulting in joint certification from CMC and LIBA. This course is suitable for people with existing work experience in the health sector as well as those just starting out in a career in this field. It is designed to give participants comprehensive knowledge and experience in the administration and operation of a large, tertiary level hospital and to equip them with the skills necessary to be a productive member of the administrative team of any health care institution whether government, corporate or mission.

Modules covered include: Core skills for Hospital Administrators, Principles of Management, Organizational Behaviour, Finance in Healthcare, Materials and Equipment Management, Managing Patient Care, Research, Statistics and Operations Research, Human Resource Management, Epidemiology & Public Health, Planning and managing hospital facilities, Quality Management in Healthcare and Legal Issues. Students are attached to a number of hospital departments, which give them practical experience of day-to-day management issues and techniques in both clinical and support departments. Students are encouraged to develop analytical and research skills and put these to use in writing a dissertation based on their own research into an area of hospital management of their choice.

PG Diploma in Medical Microbiology

(Awarded by the Christian Medical Association of India)

The primary concern of the Microbiology department is to provide excellent laboratory support for patient care. This course is designed to produce professionally excellent technologists. It provides training in the identification of bacterial and fungal pathogens causing disease in man with a brief exposure to diagnostic methods for viral and parasitic agents. Besides helping to diagnose infectious diseases by organism isolation, diagnosis is also made by various serological tests to detect antibodies against the infectious agents. The training includes handling of patient clinical samples like stools, urine, blood, pus and various body fluids.



The trainees will also acquire the skill to carry out antimicrobial susceptibility tests, which reveal the drug or combination of drugs which would be best suited for treatment. Training in common serological tests forms part of the course. Training in cleaning and sterilization of glassware and other materials needed, preparation of various types of media and reagents to carry out the diagnostic bacteriological and serological procedures will also be given in the course. Organized lectures, practicals and demonstrations as well as supervised bench training will be offered during the course. This is not a post graduate degree programme. It will primarily enable the person to work as a technologist in laboratory settings.

Fellowship in Analytical Clinical Pharmacology

(Awarded by the Christian Medical College Vellore Association)

The candidates selected will have hands on experience of HPLC and LC-MS/MS. The course consists of formal lectures including basic pharmacokinetics, therapeutic drug monitoring, basic biostatistics, various aspects of HPLC, protocol writing and some genetics. There will be seminars and journal clubs. The chosen candidates will be part of the working laboratory and gain hands on experience in the development, validation and running of assays. In the second year a project will be undertaken. The exit exam will be conducted at CMC with external examiners and upon successful completion of the course a certificate will be awarded.

Fellowship in Hospital Administration (FHA)

FHA is a two-year full-time course jointly offered by the Department of Hospital Management Studies & Staff Training and Development, CMC and the Loyola Institute of Business Administration (LIBA), Chennai. It is designed as a Masters level Programme for people with a commitment to excellence in leadership in the health care field. At the end of the programme, the candidate will obtain a joint certification from CMC and LIBA. It aims to develop hospital administrators with the knowledge, skills and values to manage hospitals effectively with a spirit of compassionate service and to contribute in creative ways at a senior level. Most applicants will already have hospital experience, perhaps in a non management role, but others with sufficient ability and drive are also welcome to apply.

All the teaching and assessment in the first year will be in common with the PGDHA (see above), but FHA students will be given additional assignments and are expected to contribute at a higher level. The second year builds on the knowledge, skills and experience gained in year one, with a greater focus on analytical and strategic thinking and research. Modules covered include: Strategy and the Environment, Financial Management, Public Health, Health Education and Ethics, Quality Management in Healthcare, Healthcare Marketing, Healthcare Economics,

Hospital Information Systems and Managing Healthcare across International Borders. Teaching is through self-learning materials, tutorials, seminars, assignments and project-based learning. Participants will carry out a number of studies / live projects in CMC hospital departments & processes and other Mission hospitals in specific areas.

Fellowship in Hospital Chaplaincy

(Awarded by the Christian Medical College Vellore Association)

There is a growing awareness of the need for counseling in different disciplines today. This fellowship programme is designed to particularly meet the need of pastors of churches to equip them with special skills in counseling and pastoral ministry among the sick and suffering. However the programme will also provide needed skills for the broader healing ministry in the context of schools, colleges, industries, institutions and organizations. 'Learning through doing' will be the general method of this programme. Sufficient supervision from senior chaplain teachers and peer group learning and periodical lectures from faculty of different disciplines will be the main feature of this programme. It is expected that those who finish this fellowship will best be equipped to serve as counselors or chaplains in hospitals, communities, schools, colleges, industries or other institutions. A stipend which covers basic living expenses will be provided. Admission is by special interview at CMC, Vellore.



5. MASTERS & DOCTORAL COURSES

Course Name	Eligibility	Duration	Type of paper	No.of Seats
MSc Biostatistics	BSc Statistics as main or BSc Degree in any subject with Statistics as ancillary/Allied	2 years	Specialty	8
Msc Epidemiology	MBBS/BDS/MPharm/MSc in Nursing/ Biostatistics/Statistics/Nutrition/ Biochemistry/Anatomy/Physiology/ Pharmacology/Microbiology and other medical related MSc's/MA Social work/ Sociology/Anthropology/Psychology/ Social Psychology/Health Education/ BVSc/ BAMS/BUMS/BHMS/BSMS/ MPT/MOT.	2 years	Specialty	8
Msc Medical Physics	BSc with Physics as main subject	2 years + 1 year internship	Specialty	5
Master of Public Health	MBBS, MOT, MPT, BDS, MSc Nurs and equivalent degrees with Biology background; BOT, BPT and BSc Nurs with 2yrs experience	2 years	Specialty	15
M.Phil. in Hospital Management	Employed professionals holding and Health Systems MBBS degree/ Doctorate from Alternative Medicine/Dentist or its equivalent or an Integrated First Degree of BITS or equivalent such as B.E./M.Sc. with minimum one-year relevant work experience in well-established health care organizations and sponsored by their employers	2 years (4 Semesters)		Variable
Ph.D Programmes	Contact the Principal or the Departments concerned			

MSc in Biostatistics

The MSc Biostatistics course in CMC is probably the first of its kind in the country. Students have been trained in Biostatistics since 1986. Biostatistics involves the development and application of statistical techniques to scientific research in health-related fields, including medicine, epidemiology, and public health. The role of biostatistician is vital in any medical research project and in teaching biostatistics. Physicians and scientists rely on trained biostatisticians to serve as key members of their research teams. Biostatistics students are guided by faculty members whose research interests include design and analysis of clinical trials, statistical methods in epidemiology, survey sampling, survival analysis, analysis of data subject to missingness, time series, model selection, longitudinal data analyses, computer intensive statistics, bayesian statistics and spatial modelling. Biostatisticians with advanced degrees can look forward to excellent career opportunities in government industry, and academia. Recent graduates have found positions with employers as diverse as pharmaceutical companies, medical colleges, university research groups, hospitals, and health-related industries.

MSc in Epidemiology

The importance of epidemiology in health related research, clinical decision making and community health management is well recognized. Christian Medical College, Vellore has been offering short courses in Epidemiology since 1986. Numerous health professionals have so far undergone this training, most of them being faculty from various medical colleges. This institution has initiated the Master's degree in Epidemiology based on the experience of conducting a large number of clinical and field studies. It is recognised by the Tamil Nadu Dr. M.G.R. Medical University. This course is aimed at health professionals interested in clinical or population based research and in the practice of community health. This course will also benefit teachers in various health related disciplines. Epidemiology is basically a quantitative science and will involve a fair amount of exposure to Biostatistics and use of computers. The MSc Programme will also equip the candidate with basic skills in health management, demography, relevant areas of behavioural sciences and health economics.

MSc in Medical Physics

Medical Physics is a health care profession that applies physics to medicine in areas such as Radiation Oncology, Diagnostic Radiology and Nuclear Medicine. In the field of Radiation Oncology, Medical Physicists play a vital role in planning the radiation treatment of cancer patients using sophisticated treatment planning systems. In addition they commission, calibrate and perform quality assurance tests on the radiation delivery equipment such as linear accelerators, telecobalt and brachytherapy units to ensure accurate and safe delivery of radiation. In Diagnostic Radiology, Medical Physicists have the responsibility of ensuring the quality and safety of imaging modalities such as Computed Tomography (CT), Magnetic Resonance Imaging (MRI) fluoroscopy, digital radiography, mammography and ultrasound. Nuclear Medicine Physicists are responsible for the management and use of unsealed radioactive sources for diagnosis and therapy including Single Photon Emission Computed Tomography (SPECT) and Positron Emission Tomography (PET).



This program consists of two years of academic study and one year of compulsory internship and this postgraduate degree program intends to train physics graduates as professionally sound medical physicists with good academic knowledge and practical skills in the areas mentioned above. This program includes core subjects covering Radiation Physics and Safety, Techniques, Dosimetry, Imaging Physics, Nuclear Medicine Physics, Radiobiology and Anatomy and Physiology apart from Radiation Mathematics which also covers computational packages such as C++ and MATLAB. A project has to be carried out in the second year followed by a one-year internship in the third year.

On completion of this course one can expect to be employed in a hospital, university or a research institute and also have the option of pursuing research and doctoral studies both at home and abroad.

Master of Public Health (MPH)

This 2 year course is affiliated to Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTMST), Trivandrum. This course is designed to build on the outstanding track record of CMC as an institution providing quality health and research training, coupled with a well developed system of community-based care that has evolved with it. A multidisciplinary faculty and a supporting team of public health / social scientists from CMC aim to train public health specialists for roles in both private and public sectors. The faculty span primary, secondary and tertiary care levels and have a proven track record of involvement in public health activities.

Core course subjects will be taught in the first year. Teaching methods will include lectures, discussions, seminars, assignments, exercises, community work for data collection, analysis, and visit to public health / administrative facilities. The second year will include a few modules and a project chosen in agreement with a named supervisor leading to submission of a dissertation.

M.Phil. in Hospital and Health Systems Management (HHSM)

M.Phil in Hospital and Health Systems Management (HHSM) is a four-semester Programme conducted in collaboration with by Work Integrated Learning Birla Institute of Technology & Science (BITS), Pilani, Christian Medical College (CMC), Vellore and Bombay Hospital, Mumbai. BITS, Pilani is an all-India Institute for higher education and operates several other collaborative programmes with many industries across the country in functional areas directed towards their HRD needs.

M.Phil (HHSM) programme has mandatory intensive contact sessions for four weeks held at Vellore / Mumbai during the first semester, and at Pilani, during the second semester. The viva-voce for dissertation in the final semester would be held at BITS, Pilani by the panel comprising of faculty from all three institutions.

Semester-wise Pattern of Courses

Semester	Course No.	Course Title	Units
Courses for First Semester			
1	HHSM ZG665	Hospital Operations Management	3
	HHSM ZG631	Introduction to Health Systems & Environmental Health	4
	HHSM ZG513	Biostatistics & Epidemiology	4
	HHSM ZG531	Health Economics & Financial Management	4
Courses for Second Semester			
2	HHSM ZG514	Health Care Marketing & Strategic Management	4
	HHSM ZG515	Quantitative Methods	3
	HHSM ZG516	Epidemic & Disaster Management	4
	HHSM ZG517	Health Care Management	4
Courses for Third Semester			
3	HHSM ZG518	Total Quality Management	4
	HHSM ZG471	Management Information Systems	3
	HHSM ZG417	Managerial Communication	4
	HHSM ZG519	Project Management	4
Courses for fourth Semester			
4	HHSM ZG629T	Disseration	20

The travel, boarding and lodging expenses for attending the contact sessions and viva-voce will have to be borne by the candidate.

Admission: Application to this course is usually advertised in March/April, and candidates must apply before the last date after obtaining prior permission from their employer. Admissions are administratively handled by the office of BITS, Pilani and selection is by a committee comprising members from all three institutions. The interview of short-listed candidates will be conducted in May /June to select suitable candidates.

PhD Programmes

The following departments are recognised by the Tamil Nadu Dr. M.G.R. Medical University, Chennai, to conduct Ph.D., programmes:

Anatomy, Biochemistry, Clinical Biochemistry, Endocrinology, Medical Physics, Microbiology, Neurological Sciences, Paediatrics, Physiology, Psychiatry, Virology, Community Medicine

In addition, certain departments such as the Bioengineering department, are recognised by other Universities/ Institutions to conduct research programmes leading to the award of PhD degree. Please contact the Principal or the department concerned.

6. POST GRADUATE ENGINEERING PROGRAMMES

MS Bioengineering

Awarded by: SCTIMST, Trivandrum.

The academic programme in Bioengineering leads to the degree of Master of Science in Bioengineering under Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum (SCTIMST-Tvm is an Institute of National Importance, Govt of India). The department of Bioengineering works closely with several other departments in CMC and current work ranges across physiological measurement, systems modelling, prostheses design, biomechanical analysis, rehabilitation engineering, quantitative movement analysis and biomedical signal processing. Lecture and seminar based courses on Transducers and Instrumentation, Imaging Systems, Physiological Systems, Signal Processing, Rehabilitation Engineering, etc., form part of the basic training. The MS Bioengineering is a specialized engineering programme with emphasis on research. The candidates will undertake a research project of one year duration. Students will interact closely with at least one of the clinical or basic science departments to formulate a research question. This degree will equip the students to apply quantitative and engineering methods to solve healthcare problems. Career prospects include academic research and teaching careers as well as research and development in the medical devices industry.

Eligibility: All aspiring candidates should have an undergraduate degree in engineering, preferably Electrical, Electronics, Mechanical, Computer Science or equivalent.

A qualifying GATE score is required for all applicants.

Admissions: Application to the MS Bioengineering programme is usually advertised in February, and candidates must apply before the end of April. An interview of short-listed candidates for the MS programme will be conducted in June to select suitable candidates.

M.Tech. Clinical Engineering and PhD. Medical Devices

Degrees Awarded by: IIT-Madras & SCTIMST, Trivandrum.

This programme is jointly conducted by the three institutions, Indian Institute of Technology-Madras, Sree Chitra Tirunal Institute for Medical Sciences and Technology-Trivandrum and Christian Medical College-Vellore, with students spending prescribed durations in each institution. All candidates must have an engineering undergraduate degree. The aim of the M.Tech. Clinical Engineering programme is to train engineers to design instruments and also manage and ensure the safe and effective use of technology in hospitals and health care delivery points. The M.Tech. Programme includes clinical projects and the course is 2 years in duration. In the first semester of the programme the students are at IIT-Madras where they take courses in engineering, molecular biology, and management. In the second semester the students are at CMC, Vellore where they take courses in engineering, physiology, anatomy, clinical visits and a clinical project. The M.Tech., students then spend the third semester at SCTIMST, undergoing courses in medical devices and biomedical technology. In the fourth semester, a project is undertaken. All students will be jointly guided by engineering and medical faculty.

The Ph.D Medical Devices program has basic courses at IIT-Madras and CMC-Vellore to prepare the students for research with a clinical orientation. Students will select an area of research and conduct research with supervisors in at least two out of the three institutions.

Eligibility: B.E./B.Tech.,/Recognized four year course; on the basis of GATE subject (AE,CE,CH, CS,EC, EE, IN, IT, ME, MT) and score.

Admissions are administratively handled by the office of the IIT-MADRAS and selection is by a committee comprising members from all three institutions. Application to these programmes is usually advertised in February/March.





FACULTY LIST



CHRISTIAN MEDICAL COLLEGE, VELLORE

Faculty List

Name	Qualification	Designation			
Accident And Emergency					
Vernon Neville Lee	MBBS,D.Orth,MS,MCh	Professor			
Thomas Kurien Bhanu	MBBS, MS	Assistant Professor			
Priya G	MBBS, MD	Assistant Professor			
Anaesthesia					
Sajan Phiip George	MBBS, DA, MD	Professor			
Raj S.	MBBS, MD	Professor			
Ekta Rai	MBBS, MD	Professor			
Tony Thomson Chandy	MBBS, DA, MD	Professor			
Ms.Ramamani M.	MBBS, DA, MD	Professor			
Ms.Georgene Singh	MBBS, MD, DM	Professor			
Ms.Anita Shirley Joselyn	MBBS, DA, MD	Associate Professor			
Sathish Kumar D	MBBS, DA, MD	Associate Professor			
Ms. Aparna Williams	MBBS, MD	Associate Professor			
Kalyana Chakravarthy P.	MBBS, MD	Associate Professor			
Ms.Chitra S.	MBBS, DA, MD	Associate Professor			
Balaji K	MBBS, DA, MD	Associate Professor			
Ms.Serina Ruth Salins	MBBS, DA, DNB	Assistant Professor			
Kirubakaran	MBBS, MD	Assistant Professor			
Ms. Suma Mary Thampi	MBBS, DA, MD	Assistant Professor			
Justin P. James	MBBS, DA, MD	Assistant Professor			
Ms. Karen Ruby Lionel	MBBS,DA,MD	Assistant Professor			
Ms. Smitha Elizabeth George	MBBS, DA, MD	Assistant Professor			
Ms. Gladly George	MBBS, DA, DNB	Assistant Professor			
Edwin Allan Zedek	MBBS, DA, MD	Assistant Professor			
Ms. Merlin Shalini Ruth.S	MBBS, MD	Assistant Professor			
Ms. Mary Tina Rani Vaz G.	MBBS, DA, MD	Assistant Professor			
Rahul Pillai	MBBS, DA, MD	Assistant Professor			
Ms. Smithamol P B	MBBS, DA, DNB	Assistant Professor			
Ms. Jyothi Avula	MBBS, DA, MD	Assistant Professor			
Aparanjit Paul	MBBS, DA, MD	Assistant Professor			
Ms. Susan Thomas	MBBS, MD	Assistant Professor			
Ms. Divya Jacob P	MBBS, DA, MD	Assistant Professor			
Ms. Riya Jose	MBBS, DA, MD	Assistant Professor			
Santhosh. V	MBBS, DA, MD	Assistant Professor			
Ilangoan P	MBBS, DA, MD	Assistant Professor			
Ms. Anity Singh Dhanyee	MBBS, DA, MD	Assistant Professor			
Ms. Sneha Ann Ancheri	MBBS, DA, MD	Assistant Professor			
Ms. Leah Maria Raju	MBBS, DA, MD	Assistant Professor			
Cephas Satyanandan	MBBS, DA, MD	Assistant Professor			
Melvin Alex Abraham	MBBS, MD	Assistant Professor			
Ms. Divya Isac	MBBS, DA, MD	Assistant Professor			
Ms. Meghna S David	MBBS, DA, MD	Assistant Professor			
Ben Babu Kurien	MBBS, MD	Assistant Professor			
Ms. Nirupama Devar	MBBS, DA, MD	Assistant Professor			
Ms. Liby G. Pappachan	MBBS, DA, MD	Assistant Professor			
Jerry Joseph J.	MBBS, MD	Assistant Professor			
Sunimal Bhaggien	MBBS, DA, MD	Assistant Professor			
Ms. Bernice Theodore Y	MBBS, DA, MD	Assistant Professor			
Ramanan R (NICU)	MBBS, DA, MD, DNB	Assistant Professor			
Ms. Preeti V	MBBS, DA	Tutor (Diploma)			
Anatomy					
Sunil Jonathan Holla	MBBS, MS	Professor			
Ms. Bina Isaac	MBBS, MS	Professor			
Ms. Suganthi J.	MBBS, MS, DNB, Ph.D	Professor			
Ivan James Prithiskumar	MBBS, M.S	Associate Professor			
Ms. Tripti Meriel Jacob	MBBS, M.S	Associate Professor			
Deepak Vinod Francis	MBBS, MS	Assistant Professor			
Samuel Frank Stephen	MBBS, MD	Assistant Professor			
Ms. Priyanka Daniel	MBBS, MS	Assistant Professor			
Bio Chemistry					
Ms. Dhayakani Selvakumar	MSc, PhD	Professor			
Ms. Molly Jacob	MBBS, MD, PhD	Professor			
Ms.Premila Abraham	MSc, PhD	Professor			
Ms.Minnie Faith	MBBS, MD	Professor			
Joe Varghese	MBBS, MD	Associate Professor			
Prakash. S S	MBBS, MD	Assistant Professor			
Anand. R	MBBS, MD	Assistant Professor			
Ms. Asmita Hazra	MBBS, MD	Assistant Professor			
Muthuraman N	MBBS, MD	Assistant Professor			
Clinical Bio Chemistry					
Ms.Geethanjali F.S.	MSc, PhD	Professor			
Ms.Victoria Job	MSc, PhD	Professor			
Ms.Pamela Christudoss,	MSc, PhD	Associate Professor (PhD)			
Arun Jose Nellickal	MSc, PhD	Lecturer (PhD)			
Jayakumar Amirtharaj	MSc, PhD	Lecturer (PhD)			
Ms.Varghese Gracy	MSc	Lecturer			
Ms.Vanitha S.	MSc	Lecturer			
Joseph Dian Bondu	MSc	Lecturer			
Ms.Janani Iswarya	MSc	Lecturer			
Yesudas Sudhakar	MSc	Lecturer			
Bio Engineering					
Suresh Roland Devasahayam	BE, MS, PhD	Professor			
Sivakumar Balasubramanian	B.Tech, M.Tech, PhD	Associate Professor			
Ms. Syrpailyn Wankhar	BE,M.Tech, PhD	Lecturer (Ph.D) Gr.II			
Rajdeep Ojha	BE,M.Tech, PhD	Lecturer (Ph.D) Gr.II			
Bio Statistics					
Jeyaseelan L	MSc, PhD, FRSS	Professor			
Antonisamy B.	MSc, PhD, FRSS	Professor			
Ms.Visalakshi Jeyaseelan	MSc, PhD, MPH	Senior Lecturer			
Prasanna Samuel	MSc, PhD	Lecturer Gr.II (Ph.D)			
Ms.Grace Rebekah	MSc	Lecturer			
Ms.Tunny Sebastian	MSc, M.Phil	Lecturer			
Ms. Mahasampath Gowri S	MSc	Sr. Demonstrator Gr.IV			
Bijesh Kumar Yadav	MSc	Sr. Demonstrator Gr.IV			
Ms. Reka K	MSc	Sr. Demonstrator Gr.IV			
Prakash R	MSc	Sr. Demonstrator Gr.IV			
Cardio Vascular & Thoracic Surgery					
Vinayak Shukla	MBBS, MS, MCh, DNB	Professor			
Roy Thankachen	MBBS, MS, MCh	Professor			
Madhu Andrew Philip	MBBS, DNB, MCh	Professor			
Alpha Mathew Kavunkal	MBBS, MS, MCh	Professor			
Korah T. Kuruvila	MBBS, MS, MCh	Professor			
Birla Roy Gnanamuthu	MBBS, MS, MCh	Professor			
Ravi Shankar	MBBS, MS, MCh	Associate Professor			
Lalit Kumar Choudhary	MBBS, MS, MCh	Associate Professor			
Vinay M. Rao	MBBS, MS, MCh	Assistant Professor			
Cardiology					
George Joseph	MBBS, MD, DM	Professor			
Sunil Thomas Chandy	MBBS, MD, DM	Professor			
Paul V George	MBBS, MD, DM	Professor			
Oommen K. George	MBBS, MD, DM	Professor			
Viji Samuel Thomson	MBBS, MD, DM	Professor			
John Roshan Jacob	MBBS, MD, DM	Professor			
Sujith Thomas Chacko	MBBS, MD, DM	Associate Professor			
David Chase	MBBS, MD, DM	Associate Professor			
John Jose	MBBS, MD, DM	Associate Professor			
Mithun Jacob Varghese	MBBS, MD, DM	Associate Professor			
Lijo Varghese	MBBS, MD, DM	Associate Professor			

Ms.Devi A. (Cardio.)	MBBS, DCH, MD (Paed), DM	Associate Professor	Ms. Santhi Kiran Borra	MBBS, MD	P.G. Tutor Gr.III
Subhrangshu Dey	MBBS, MD, DM	Assistant Professor	Kumara Lakshmanan	MBBS, MD	Senior Resident Gr.III
Anoop George Alex	MBBS, MD, DM	Assistant Professor	Developmental Paediatrics		
Anandaroop Lahiri	MBBS, MD, DM	Assistant Professor	Samuel Philip Oommen	MBBS, MD (Paed.), DNB	Professor
P Sirish Chandra Srinath	MBBS, MD, DM	Senior Resident Gr.I	Ms.Beena Koshy	MBBS, MD (Paed.)	Professor
Kunal Gururani	MBBS, MD, DM	Senior Resident Gr.I	Ms. Susan Mary Zachariah	MBBS, DCH, MD (Paed.)	Assistant Professor
Varsha Kiron	MBBS, MD	Assistant Physician Gr.II /Sr.Reg.PG	Srinivasa Raghavan R	MBBS, MD (Paed.)	Assistant Professor
Nathaniel Samson	MBBS, MD	Assistant Physician Gr.I /Sr.Reg.PG	Ms. Archana Suryaprakash	MBBS, DCH	Junior Resident
Perla Harsha Teja	MBBS, MD	Assistant Physician Gr.II /Sr.Reg.PG	Ms.Reeba George	MSc (App.Psy.)	Lecturer Gr.I (NM)
Chaplaincy			Ms.Caroline Sanjeev Padankati	M.A (Psy.) PGDMR (MR)	Lecturer Gr.II (NM)
Rev Dr T Arul Dhas	MSc, BD, DPC PhD (Edin)	Senior Chaplain Lecturer	Ms.Hannah Grace P	M.A (Psy.) P.G.Dip (Psy)	Lecturer Gr.II (NM)
Community Medicine			Ms. Rachel Beulah	Jansi Rani	MSc. (Psy.) Sr.Demonstrator (NM)
Kuryan George	MBBS, MD, MSc, (Med.Informatics)	Professor	Ms. Mohana K	BOT	Tutor Gr.IV (OT)
Ms.Jasmine Helan	MBBS, MD, DNB, (MAT. & C.H.) MPH	Professor	Ms. Aishwarya Ravi	MSW, M.Special (Education)	Special Teacher Gr.V
Ms.Rita Caroline Isaac	MBBS, MD, MPH	Professor	Dietetics		
Vinod Joseph Abraham	MBBS, MD, MPH	Professor	Ms.Mahendri N.V.	MSc, PGCN, MHRM, M.Phil	Sel. Gr.Sr. Lecturer (NM)
Ms.Shanthidani Minz	MBBS, MD, MPH	Professor	Ms.Jayalakshmi S	MSc (Food & Nutrition)	Senior Lecturer Gr.I(NM)
Venkata Raghava M.	MBBS, MD, MPH	Professor	Ms.Manimegalai	MSc (FSM & Diet)	Lecturer Gr.I (NM)
Jacob John	MBBS, MD	Professor	Ms.Jayalakshmi K	MSc (FS&N)	Lecturer Gr.II (NM)
Sushil Mathew John	MBBS, MD	Professor	Ms. Priya K	MSc (F&N)	Sr. Demonstrator Gr.IV
Ms.Anuradha Rose	MBBS, MD, MHS	Associate Professor	Distance Education		
Ms. Ruby Angeline Pricilla. S	MBBS, MD, DGO	Associate Professor	Ms. Jachin Daniel Raj	MBBS, DNB (Fly.Med)	Research Officer/ Associate Physician
Biswajit Paul	MBBS, MD	Associate Professor	Ms. Sahaya Anbarasi A	MBBS, D.C.H. DNB (Fly.Med)	Research Officer/ Assistant Physician
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Ms. Mary Juliana,	BSc N	Charge Nurse/ Tutor
Ms. Violet Bobbyrani,	BSc N	Charge Nurse / Tutor
Ms. Mercy Rathinavathy,	BSc N	Charge Nurse/ Tutor
Ms. Arulmozhi N,	BSc N	Charge Nurse / Tutor

COMMUNITY HEALT NURSING

Ms. Rajeswari Siva,	MSc N, MPhil	Professor
Dr. Vathsala Sadan,	MSc N, PhD	Professor
Ms. Greeda Alexander,	MSc N	Professor
Ms. Shandril Immanuel,	MSc N	Professor
Ms. Suseela Subhashini John,	MSc N	Professor
Ms. Baby Saroja,	MSc N	Associate Professor
Ms. Sara Emma Rosalind,	MSc N	Reader
Ms. Prema N,	MSc N	Lecturer
Ms. Jeba Terina S,	MSc N	Jr. Lecturer
Ms. Angeline Jeya Rani	MSc N	Jr. Lecturer
Ms. Priya Chandrasekar	MSc N, FFNP	Jr. Lecturer
Ms. Joy Priyadarshini J	MSc N	Jr. Lecturer

Ms. Beulah Santhakumari,	BSc N	Tutor/ Charge Nurse
Ms. Merlyn Nixon,	BSc N	Tutor/ Charge Nurse
Ms. Irene Dorothy,	BSc N, FFNP	Tutor/ Charge Nurse
Ms. Gnana Soundari Ravi,	BSc N, FFNP	Tutor/ Charge Nurse
Ms. Valliammal Murali,	BSc N, FFNP	Tutor/ Charge Nurse
Mr. Julius John Samuel,	PCBSc N	Tutor/ Charge Nurse
Ms. Sharmila Sundar Raj,	BSc N	Tutor/ Charge Nurse
Ms. Kavitha Sathish	BSc N	Tutor/ Charge Nurse
Ms. Nithila Jennifer		
Prudence J,	BSc N	Tutor/ Charge Nurse
Ms. Saral Jasmine E	BSc N	Tutor / Charge Nurse
Ms. Sharmila Jeyarani J	BSc N	Tutor / Charge Nurse
Ms. Liza L	BSc N	Tutor / Charge Nurse
Ms. Sithara Asirvatham	BSc N	Tutor / Charge Nurse
Ms. Subhashree	BSc N	Tutor / Charge Nurse

CONTINUING NURSING EDUCATION & RESEARCH

Dr. Punitha Ezhilarasu,	MSc N, PhD	Professor
Dr. Premila Lee,	MSc N, PhD	Professor
Ms. Nirmala Margaret,	MSc N	Assoc. Professor
Ms. Ida Sweetlin		
Priyadarsini A.R.	MSc N	Jr. Lecturer

CENTRAL STERILE SUPPLY DEPARTMENT

Ms. Udayakumari Maran,	BSc N	Charge Nurse / Tutor
Ms. Florence Ponnice	BSc N	Charge Nurse/ Tutor

ENGLISH

Ms. Latha Mageswari S	MA, B Ed., M Phil.	Sr. Demonstrator
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FUNDAMENTALS OF NURSING

Ms. Amala Rajan,	MSc N	Professor
Ms. Emily Daniel,	MSc N	Professor

Ms. Angeline Esther,	MSc N	Reader
Ms. Sheeba Rani Nelson,	MSc N	Reader
Ms. Kothamasi Salomy Charis	MSc N	Junior Lecturer
Ms. Linda Victor,	BSc N	Tutor / Charge Nurse
Ms. Lydia Ranjitham Johnson	BSc N	Tutor / Charge Nurse
Ms. Petritia Jasmine,	BSc N	Tutor / Charge Nurse
Ms. Hilda Mercy Priya,	BSc N	Tutor / Charge Nurse
Ms. Jeslin Wills,	BSc N	Tutor / Charge Nurse
Ms. Esther Nivedith Selvina M,	BSc N	Tutor / Charge Nurse
Ms. Harika Pakalapati	BSc N	Tutor / Charge Nurse
Ms. Sophia J	BSc N	Tutor / Charge Nurse
Ms. Gladys Belah CH	BSc N	Tutor / Charge Nurse
Ms. Era Deepika Dayal	BSc N	Tutor / Charge Nurse
Ms. Lintamary Babu	BSc N	Tutor / Charge Nurse

LIBRARY

Ms. Vimala Jayakaran,	MA, MLIS	Sr. Librarian
Ms. Esther Aaron,	BA, MLIS	Sr. Librarian
Ms. B. Jerylene Mary Vanathi,	BA, MLIS	Assistant Librarian
Mr. John Kirubairaj,	Bcom, MLIS	Assistant Librarian
Mr. N. Kantharuban,	Bsc, MLIS	Assistant Librarian
Mr. Daniel Rajkumar,	BA, MLIS	Assistant Librarian

MATERNITY NURSING

Ms. Ebenezer Ellen Benjamin,	MSc N	Professor
Ms. Alice Sony,	MSc N	Professor
Ms. Diana David,	MSc N	Professor
Ms. Dorathy Devakirubai T	MSc N	Professor
Ms. Nirmala Manoharan,	MSc N	Professor
Ms. Anne Jarone,	MSc N	Professor
Ms. Jenny S,	MSc N	Reader
Ms. Mories Mary S,	MSc N	Jr. Lecturer
Ms. Mary Jennifer	MSc N	Jr. Lecturer
Ms. Kalaiairasi C	BSc N	Tutor / Charge Nurse
Ms. Lakshmi Baskar,	BSc N	Charge Nurse / Tutor
Ms. Juliet Xavier,	BSc N	Charge Nurse / Tutor
Ms. Gnanamani Deepak	BSc N	Charge Nurse / Tutor
Ms. Devakirubai Reebath,	BSc N	Charge Nurse / Tutor
Ms. Jebaselvi W	BSc N	Charge Nurse / Tutor
Ms. Leena Dorai Raj,	BSc N	Charge Nurse / Tutor
Ms. Mona Saji,	Bsc N	Charge Nurse / Tutor
Ms. Jane Emily Beatrice,	BSc N	Charge Nurse / Tutor
Ms. Kumutham Ravi,	BSc N	Charge Nurse / Tutor

MEDICALNURSING

Dr. Shirley David	MSc N, PhD	Professor
Ms. Ilavarasi Jesudoss,	MSc N	Professor
Ms. Sophia Vijayanathan,	MSc N	Professor
Ms. R.Bharathy,	Msc N	Lecturer
Ms. Ranjitha Chacko,	Msc N	Jr.Lecturer
Ms. Mary Jancy Joy	MSc N	Jr. Lecturer
Ms. Sumi Sara Eapen	MSc N	Jr. Lecturer
Ms. Daisy Jeeva Priya	BSc N	Tutor/ Charge Nurse
Ms. Sunitha P,	BSc N	Charge Nurse / Tutor
Ms. Thilagavathi M	BSc N	Charge Nurse / Tutor

MEDICAL SURGICAL NURSING SPECIALITY I**Burns, Respiratory, Endocrinology, Urology and ENT**

Ms. Beulah Premkumar,	MSc N, MA, MPhil	Professor
Ms. Regina Xavier,	MSc N	Professor
Ms. Alice Suresh Kumar,	MSc N	Professor
Ms. Jabin Khaja,	MScN	Associate Professor
Ms. Prasannakumari S	MSc N	Jr. Lecturer
Ms. Harini S	BSc N	Tutor / Charge Nurse
Ms. Kalaivani Gnanamani	BSc N	Charge Nurse / Tutor

Ms. Jessie Sharma,	BSc N	Charge Nurse / Tutor
Ms. Aruna A	BSc N	Charge Nurse / Tutor
Ms. Sherlin Koshy	BSc N	Charge Nurse / Tutor

ENDOCRINOLOGY (DIABETES EDUCATOR)

Ms. Ruth Ruby Murray,	BSc N	Charge Nurse / Tutor
Ms. Vijayalakshmi A,	BSc N	Charge Nurse / Tutor
Ms. Mercy Inbakumari B,	BSc N	Charge Nurse / Tutor
Ms. Bharathi K,	BSc N	Charge Nurse / Tutor

MEDICAL SURGICAL NURSING SPECIALITY II**Cardiology, Cardiothoracic Surgery, Gastro & Oncology**

Ms. JasminAnand,	MSc N	Professor
Ms. Bala Seetharaman,	MSc N	Professor
Ms. Roseline Rhenius,	MSc N	Professor
Ms. J. Sumathy	MSc N	Reader
Ms. Christinal Jebarani,	BSc N	Tutor / Charge Nurse
Ms. Jeevitha J	BSc N	Tutor / Charge Nurse
Ms. Rosammal Durai,	BSc N	Charge Nurse / Tutor
Ms. Stella Richard,	BSc N	Charge Nurse / Tutor
Ms. Shakila Murali,	BSc N	Charge Nurse / Tutor
Ms. Vimala Selvaraj,	BSc N	Charge Nurse / Tutor
Ms. Josephine Florabai G	BSc N	Charge Nurse / Tutor
Ms. Sheeba Paul,	BSc N	Charge Nurse / Tutor
Ms. Anbarasi C	BSc N	Charge Nurse / Tutor

MEDICAL SURGICAL NURSING SPECIALITY III**Private & General wards O Block**

Ms. Anbu S. Kumar,	MSc N	Professor
Ms. Anandha Ruby Jacob,	MSc N	Professor
Ms. Reena Santosh,	MSc N	Associate Professor
Ms. Dyana V	MSc N	Jr. Lecturer
Ms. Deborah Snegalatha V	MSc N	Jr. Lecturer
Ms. Mary Johnson,	BSc N	Charge Nurse / Tutor
Ms. Suseela Rajkumar,	BSc N	Charge Nurse / Tutor
Ms. Karthikeyini Induraj,	BSc N	Charge Nurse / Tutor
Ms. Susamma Wesley,	BSc N	Charge Nurse / Tutor
Ms. Maria Gracy John	BSc N	Charge Nurse / Tutor
Ms. Phanny Vijay,	BSc N	Charge Nurse / Tutor
Ms. Merlin Georgina D	BSc N	Charge Nurse / Tutor
Ms. SilviaraniR,	BSc N	Charge Nurse / Tutor
Ms. Mythili Baskaran	BSc N	Charge Nurse / Tutor
Ms. Gurubatham Christinal	BSc N	Charge Nurse / Tutor

MEDICAL SURGICAL NURSING SPECIALITY IV-A**Accident & Emergency Services,****Radio Diagnosis and Out Patient Services**

Mr. T.S. Ravikumar,	MSc N	Professor
Ms. Meenakshi Sekhar	MSc N	Professor
Ms. Jeyalindha Christopher,	MSc N	Professor
Ms. M. Sri Ranjani	BSc N	Tutor / Charge Nurse
Ms. Esther Paul,	BSc N	Charge Nurse / Tutor
Ms. Rani Munusamy,	BSc N	Charge Nurse / Tutor
Ms. Sulochana D	BSc N	Charge Nurse / Tutor
Ms. Mercy Menaga K.V.	BSc N	Charge Nurse / Tutor
Ms. Paulin M. Reena R	BSc N	Charge Nurse / Tutor

MEDICAL SURGICAL NURSING SPECIALITY IV-B**Ophthalmology, LCECU & Rehabilitation****IDASCUDDERWARD**

Ms. Susilamani Moses	BSc N	Charge Nurse / Tutor
Ms. Philomena Rachel D.P,	BSc N	Charge Nurse / Tutor

OPHTHALMOLOGY

Ms. Jeni Christal Vimala,	MSc N	Professor
Ms. Subhashini Tennyson,	BSc N	Tutor / Charge Nurse
Ms. Hilda David	BSc N	Charge Nurse/ Tutor
Mr. Charles Immanuel,	PC Bsc N	Charge Nurse / Tutor
Ms. Priscilla Rajkumar,	Bsc N	Charge Nurse / Tutor

REHABILITATION

Ms. Josephine Sukumaran,	MSc N	Professor
Ms. Margaret S	BSc N	Charge Nurse/ Tutor
Ms. Nightingale J	Bsc N	Charge Nurse/ Tutor

MEDICAL SURGICAL NURSING SPECIALITYV
Operating Room

Ms. Valliammal Babu,	MSc N	Professor
Ms. Sonia P. Abraham,	MSc N	Associate Professor
Ms. Thenmozhi Sundar	MSc N	Jr. Lecturer
Ms. Anita Kiruba Jeyakumar,	MSc N	Jr.Lecturer
Ms. Rachel Deva,	BSc N	Tutor / Charge Nurse
Ms. Kirubamani Michael	BSc N	Charge Nurse / Tutor
Ms. Kamatchi Munirathinam,	BSc N	Charge Nurse / Tutor
Ms. Vijayalakshmi Kannan,	BSc N	Charge Nurse / Tutor
Ms. Gnana Soundari S	BSc N	Charge Nurse / Tutor
Ms. Elizabeth Gurunathan,	BSc N	Charge Nurse / Tutor
Ms. Delcy Charles,	BSc N	Charge Nurse / Tutor
Ms. Rosaline Kumar,	BSc N	Charge Nurse / Tutor
Ms. Kalavathy Ravirajan,	BSc N	Charge Nurse / Tutor
Ms. Esther Samson,	BSc N	Charge Nurse / Tutor
Ms. Daisy Mohan,	BSc N	Charge Nurse / Tutor
Ms. Geetha W,	BSc N	Charge Nurse / Tutor

MEDICAL SURGICAL NURSING SPECIALITY VI
Private Wards (A Block) & L Ward

Dr. Selva Titus Chacko,	MSc N Ph.D.	Professor
Ms. Amalorpavamari,	MSc N	Professor
Ms. Lillian Percy Kujur,	MSc N	Reader
Ms. Sasikala Umesh,	MSc N	Lecturer
Ms. Arockiaseli Mabel Annarani I,	Msc N	Jr.Lecturer
Ms. Abijah Princy	MSc N	Jr. Lecturer
Ms. Christy Babu,	BSc N	Charge Nurse / Tutor
Ms. Merry Josephraj	BSc N	Charge Nurse / Tutor
Ms. Vasanthi Ravi,	BSc N	Charge Nurse / Tutor
Ms. Aruna Sundararajan,	BSc N	Charge Nurse / Tutor
Ms. Margaret Devadhanam,	BSc N	Charge Nurse / Tutor
Ms. Devakirubai Mohan,	BSc N, FFNP	Charge Nurse / Tutor
Ms. Joyce Vasanthakumar,	BSc N	Charge Nurse / Tutor
Ms. Jayakumari Jebaraj	BSc N	Charge Nurse / Tutor
Ms. Sangeetha Vishranth,	BSc N	Charge Nurse / Tutor
Ms. Hemalatha S	BSc N	Charge Nurse / Tutor
Ms. Dhanalakshmi J	BSc N	Charge Nurse / Tutor
Ms. Latha Graceline P	BScN	Charge Nurse / Tutor

MEDICAL SURGICAL NURSING SPECIALITY VII
Neurology, Trauma & Paediatric Orthopaedics

Ms. Florence Segaran,	MSc N	Professor
Ms. Rebecca Sumathi Bai,	MSc N	Professor
Ms. MercyJ	MSc N	Reader
Ms. Mythili Elvis,	BSc N	Charge Nurse / Tutor
Ms. Savithri Vadamuthu	BSc N	Charge Nurse / Tutor

Mr. Charles Sathiya Oli,	PC BSc N	Charge Nurse / Tutor
Mr. Johnson Vijayakumar,	BSc N	Charge Nurse / Tutor
Ms. Emimal Kennedy,	BSc N	Charge Nurse / Tutor
Ms. Monica Solomon,	BSc N	Charge Nurse / Tutor

NURSING SERVICE OFFICE

Ms. Priscilla Joseph,	BSc N	Charge Nurse / Tutor
Ms. Esther Agnes Anitha C,	BSc N	Charge Nurse / Tutor

PHYSICAL EDUCATION

Mr. Naveena Krishnan S,	BSc, BPED	Physical Director
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PSYCHIATRIC NURSING

Dr. Manoranjitham Sathiyaseelan,	MSc N, PhD	Professor
Ms. Helen Sujatha Charles,	MSc N, MPhil	Professor
Ms. Shanthi Johnson,	MSc N	Reader
Ms. Jeeva Sebastian,	MSc N	Jr.Lecturer
Mr. Paul Prabhu K.G.	MSc N	Jr.Lecturer
Ms. G. Aruna,	MSc N	Jr. Lecturer
Ms. Ebenezer Beulah S	BSc N	Charge Nurse / Tutor
Mr. Karunakaran K.P,	BSc N	Charge Nurse / Tutor
Ms. Velvizhi T.Giri,	BSc N	Charge Nurse/ Tutor

PSYCHOLOGY

Dr. Joseph Kuruvilla,	MA, PhD	Sel. Gr. Sr. Lecturer
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SOCIOLOGY

Ms. Thamarai Selvi,	MA	Lecturer
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SURGICALNURSING

Dr. Punitha Ezhilarasu,	MSc N, PhD	Professor
Dr. Premila Lee,	MSc N, PhD	Professor
Ms. Sheela Durai,	MSc N	Professor
Ms. Ida Nirmal,	MSc N	Professor
Ms. Priscilla Sam,	MSc N	Professor
Ms. Asha Solomon,	MSc N	Assoc. Professor
Ms. Shalini Chandran,	MSc N	Reader
Ms. Hepsy R,	MSc N	Jr. Lecturer
Ms. Angel Rajakumari R	MSc N	Jr. Lecturer
Ms. Jothi Priya Nixon,	BSc N	Tutor / Charge Nurse
Ms. Anu Bharathi,	BSc N	Tutor / Charge Nurse
Ms. Evangeline Anbarasi J	BSc N	Tutor / Charge Nurse
Ms. Hannah Grace K	BSc N	Tutor / Charge Nurse
Ms. Glory Ashok,	Bsc N	Charge Nurse / Tutor
Ms. Jeenus Kalaivanan,	Bsc N	Charge Nurse/ Tutor
Ms. Tharani Sandhilyan	BSc N	Charge Nurse / Tutor
Ms. Latha Madan Kumar	BSc N	Charge Nurse / Tutor
Mr. David Sam Paul R	PCBSC	Charge Nurse / Tutor
Ms. Ida Soruba Rani,	BSc N	Charge Nurse/ Tutor
Ms. Priyadarshini K	Bsc N	Charge Nurse / Tutor

TAMIL

Ms. A. Siluvaimani,	MA. Bed	Tamil Teacher
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ANNEXURE FEE STRUCTURE



ANNEXURE
FEE STRUCTURE (In Rupees)

The mission of Christian Medical College, Vellore is to provide quality education at affordable rates, so that the beneficiaries will go out with the spirit of service. The Christian Medical College, Vellore has made a conscious decision to charge only a nominal amount for each student which is summarized as follows:

MBBS

	Fee (in Rupees)
Tuition fee (per year)	3000
One time College fee at admission	8800
Other annual fee	15105
One time payment to University	13425
Hostel charges – Deposits and advances	Men 10000
	Women 4000
Monthly bills	Men (approx) 6000
	Women (approx) 4000

MEDICAL POSTGRADUATE COURSES
Degree and Diploma#

Fee (in Rupees)	2 yr. Diploma	2 yr. Degree (Post Diploma)	3 yr. Degree
Tuition fee	800	800	1200
One time establishment fee	10000	15000	15000
University fee	111350*	115050	119050
Others	5200	5200	5700
Total	127350	140050	140950

*Rs. 4000/- should be paid by Diploma in Psychological Medicine candidates towards University

Dissertation Fee

This amount may be paid initially in a single instalment or may be paid in instalments

DM/MCh Courses#

Fee (in Rupees)	DM/M.Ch	M.Ch Neurosurgery 3 years	M.Ch Neurosurgery 6 years
Tuition fee	1500	1500	3000
One time establishment fee	15000	15000	30000
University fee	123750	127750	144750
Others	5700	5700	7200
Total	1,45,950	1,49,950	1,84,950

This amount may be paid initially in a single instalment or may be paid in instalments

Post Graduate Fellowship

Fee (in Rupees)	1Year Course	2 Year Course
Tuition Fee	500	1000
One time establishment Fee	7500	15000
* University Registration / Application Fee		10600
Others	14500	19000
Total	22500	45600

*Applicable for University approved courses only.

Post Doctoral Fellowship

Fee (in Rupees)	1Year Course	2 Year Course
Tuition Fee	500	1000
One time establishment fee	7500	15000
University Registration / Application Fee [#]	6000	6000
Others	14500	19000
Total	28,500	41,000

Only for University affiliated courses

NURSING**Diploma Nursing Program**

Fee (in Rupees)	First year	Second year	Third Year
Tuition fee	350	250	250
Other Annual fee including uniform	15380	6790	6290
BNE NL CMAI SIB fee			
Examination & Others	2000	1700	3300
Hostel & Mess fee (Annual)	25485	24285	24285

B.Sc. Nursing

Fee (in Rupees)	First year	Second year	Third Year	Fourth Year
Tuition fee	810	810	810	810
Other annual fee including uniform	16630	8040	6190	9740
University fee	7550	3000	2600	5750
Hostel & Mess fee (Annual)	25485	24285	24285	24285

Post Basic B.Sc. Nursing

Fee (in Rupees)	First year	Second year
Tuition fee	810	810
Other annual fee including uniform	7605	8535
University fee	10150	6250
Hostel & Mess fee (Annual)	25625	24425

MSc Degree in Nursing

Fee (in Rupees)	First year	Second year
Tuition fees	1000	1000
Other annual fee	10325	7725
University fee	22050	12900
Hostel & Mess fee (Annual)	26225	24975

Fellowship in Nursing

Fee (in Rupees)	Family Nurse Practice	Haematology Nursing & Respiratory Nursing
Tuition fee	1000	1000
Other annual fee	7750	7225
Hostel & Mess fee (Annual)	26225	24975

Post basic diploma in Nursing

Fee (in Rupees)	First year
Tuition fee	350
Other annual fee	8575
BNE NL CMAI SIB fee	4800
Examination & Others	
Hostel & Mess fee (Annual)	25625

ALLIED HEALTH SCIENCES

Degree courses	BMRS	BOT	BPT	Other Degree courses
Tuition Fee (Yearly)	600	600	600	600
Annual fee	9095	9255	9245	11945
University Fee	9860	10950	10960	8860
Other one time fee	4000	1550	1050	1300
Hostel Fee	One time deposit	5000		
	Yearly payment	9000		
	Monthly bills	3500		

Diploma Courses

Course	Tuition Fee		Others		Total		Hostel (monthly, approx.)
	1 st yr	2 nd yr	1 st yr	2 nd yr	1 st yr	2 nd yr	
Diploma in Anaesthesia Technology	200	200	3000	2600	3200	2800	3500
Dermatology Laboratory		300		5500		5800	3500
Hand and Leprosy Physiotherapy Technology	200	200	3200	2600	3400	2800	3500
Hospital Equipment Maintenance		300		4000		4300	3500
Medical Radiation Technology	300	300	3950	4450	4250	4750	3500
Optometry	400	400	3000	2600	3400	3000	3500
Prosthetics & Orthotics	300	300	3350	2600	3650	2900	3500
Urology Technology	300	300	3850	3450	4150	3750	3500

Post Graduate Diploma and Fellowship Courses

Course	Tuition Fee		Others		Total		Hostel (monthly, approx.)
	1 st yr	2 nd yr	1 st yr		1 st yr	2 nd yr	
Assisted Reproductive Technology	600	600	3400	3500	4000	3600-	3500
Cardiac Technology	200	200	3000	2600	3200	2800	3500
Clinical Pastoral Counselling	500	-	5470	-	5970	-	3500
Cytogenetics	600	600	3400	3000	4000	3600	3500
Dietetics	600	-	3150	-	3750	-	3500
Genetic Diagnosis Technology	600	600	3400	3000	4000	3600	3500
Health Economics, Policy & Financial Management	1930	-	3000	-	4930	-	3500
Health Management	1500	-	4675	-	6175	-	3500
Histopathological Lab technology	300	-	5550	-	5850	-	3500
Hospital Administration	15000		22900		37900		3500
Medical Microbiology	600	-	5700		6300	-	3500
Fellowship in Analytical Clinical Pharmacology	1500	-	5905	-	7405	-	3500
Fellowship in hospital administration	20000	20000	22900	22900	42900	42900	3500

MASTERS

Fees (in Rupees)	Epidemiology	Biostatistics	Medical Physics	MPH
Tuition Fee (per year)	1200	1200	1200	100000
One time payment on admission	3825	3825	3825	
University Fee	9760	9785	9785	
Others (per year)	18620	14670	22870	
Hostel Charges	Deposits and advances		Men 5000 Women 3000	
	Monthly bills		3500 (approx.)	

The above amounts are indicative of expenses and the management reserves the right to revise the College & Hostel fees from time to time. Details of the fee mentioned above can be had on request from the Registrar's office Accountant. Scholarships are available after admission for economically disadvantaged candidates.

Aunt Ida

(The Founder Dr. Ida Scudder)





Not to be ministered unto,
but to minister. . .

