

Self Study Report (SSR)

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

(An Autonomous Institution of the University Grants Commission)

P.O.Box No.1075, Nagarbhavi
Bangalore - 560072, Karnataka, India
Bangalore

Submitted by

**CHENNAI MEDICAL COLLEGE HOSPITAL
& RESEARCH CENTRE**

Irungalur, Trichy - 621 105.

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CHENNAI MEDICAL COLLEGE HOSPITAL & RESEARCH CENTRE

(A Unit of SRM Group of Educational Institutions)

Irungalur (Near Samayapuram), Trichy - Chennai Highway, Trichy - 621 105



PREAMBLE

With a sense of achievement and pride we submit our Self Study Report (SSR) for the consideration of NAAC. It has been an exciting and active journey for us since 2008, when the institution "Chennai Medical College Hospital and Research Centre (CMCH&RC)" was established in Irungalur, Trichirappalli district by the educator Dr. T.R. Parivendhar, Founder and Chancellor of the reputed SRM University. The institution is affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

During the last decade post graduate programs have been introduced, additional infrastructure facilities created and faculty strength increased to fulfill MCI norms. The medical college hospital and its rural and urban health centers located at Sangenthi and Samayapuram respectively render excellent health care to the local rural community. Collaboration with Harvard medical school hospitals, Boston, USA has added unique value to the institution. Research has seen an impetus leading to funding from government agencies and considerable rise in number of publications.

The institution is proud to have a large number of experienced and dedicated faculty and doctors who respectively provide medical education to students and health care to the rural population. Much importance is given to extension activities such as rural medical camps and society beneficial medical programmes.

To conclude, the institution takes this opportunity to thank Dr. T. R. Parivendhar, Chancellor of SRM University and Dr. R. Sivakumar, M.D., Ph.D, Chairman of the SRM group of institutions at Ramapuram and Trichy who steer the institution with great love, passion and efficiency. The institution also lauds all the officers, faculty and staff who have contributed to the preparation of this report.


Dean

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CHENNAI MEDICAL COLLEGE HOSPITAL & RESEARCH CENTRE

(A Unit of SRM Group of Educational Institutions)

Irungalur (Near Samayapuram), Trichy - Chennai Highway, Trichy - 621 105



Certificate of compliance

(Affiliated / Constituent / Autonomous colleges and Recognized Institutions)

This is to certify that **Chennai Medical College Hospital & Research centre** fulfils all norms.

1. Stipulated by the affiliating University : The Tamil Nadu Dr.M.G.R. Medical University, Chennai.
2. Regulatory council / Body : Medical Council of India, New Delhi
3. The affiliation and recognition [if applicable] is valid as on date : Yes

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent. Incorporated in SSR.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.


Dean

March 24/17

Place : Irungalur
Date : 24.03.2017

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Executive Summary

The Chennai Medical College Hospital and Research Centre (CMCH&RC) was established in March, 2008 by the founder and Chancellor of the reputed SRM University, Dr. T. R. Paarivendhar as one of the prestigious SRM group of institutions. The respected chancellor was keen to extend medical education and medical care for students and people hailing from rural areas. Dr. R. Shivakumar, M.D., Ph.D., Chairman of the prestigious SRM Group of Institutions at Ramapuram and Trichy campuses administers the medical institution with great love, passion and efficiency.

Irungalur, a village situated at a distance of 25km from the city of Tiruchirappalli is rural in nature with most of its people and people from adjoining villages engaged in agricultural activities. Tiruchirappalli is located at the centre of state of Tamil Nadu and the medical institution and hospital CMCH&RC, benefits the entire population living in and around Tiruchirappalli by providing opportunities to seek medical education and medical help. It significantly influences the betterment of the community living in Tiruchirappalli, Perambalur, Ariyalur and Karur districts as well as in the southern districts of Tamil Nadu.

The CMCH&RC affiliated to The Tamil Nadu Dr. M.G.R. Medical University, Chennai, Tamil Nadu is a private, self financing institution, duly approved by the government of Tamil Nadu and the Medical Council of India (MCI). The MBBS programme was started in the year 2009, with the MCI sanctioned student intake of 150. The institution was approved for conducting post graduate programme in the departments of Anatomy, Physiology, Biochemistry, Pathology, Microbiology and Pharmacology from the year 2013.

The teaching institution works from 8.30 am to 4.30 pm for the teaching, learning and evaluation process along with clinical postings. Every department has its own goals to achieve academic excellence. The institution has enough experienced and dedicated faculty who fulfil the student's learning requirement excellently. Continuous Medical Education (CME) is imperative and is regularly organized to update students' clinical and practical knowledge. Seminars, Symposiums and workshops are held regularly with financial support from the management and government research funding agencies such as ICMR, CSIR, MCI, DST, TNSCST, DBT etc.

The hospital clinical departments work from 8.30 am to 3.30 pm every day, offering out-patient services in the departments of General Medicine, General Surgery, Pediatrics, Obstetrics & Gynecology, Orthopedics, Dermatology, Psychiatry, ENT, Ophthalmology, Cardiology, Nephrology, Neurology, Neuro-surgery, Chest & TB, Gastroenterology and dental health. Specialty domains are available round the clock in the hospital.

State-of-art casualty and emergency unit with well qualified service medical officer, appropriate equipments and beds and ready to move ambulance services is working 24 hours in the hospital. Central clinical laboratories for complete diagnostic services and centralized radio diagnosis facilities are provided to patients throughout the day. Blood bank, pharmacy, optical shop and canteens and other facilities are available in the hospital. Supply of free food to all n patients (IP), free transportation to the people from nearby villages and free charges for some basic diagnosis aspects are some of the significant services provided by the hospital.

The institution has impressive and IT enabled infrastructure facilities and learning resources. Much importance is given to research with equal significance to extension activities such as rural medical camps, running rural medical centre at nearby village Sangenthi and an urban centre at Samayapuram. The institution emphasizes on knowledge, practical skills and nurtures social responsibilities. Learner centre pedagogy is practiced in the teaching learning process with continuous feedback from students. Using information and communication technology (ICT) in teaching is highly encouraged. It helps and supports the students through the right mix of government retired senior faculty and middle faculty. It has a good organizational frame work with dynamic leadership which functions democratically with transparency.

Profile of the Institution

1. Name and Address of the Institution:

Name :	Chennai Medical College Hospital and Research Centre		
Address :	Trichy – Chennai Trunk Road, Irungalur, Tiruchirappalli		
City :	Pin : 621 105	State : Tamilnadu	
Website :	www.cmchrc.ac.in		

2. Communication

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Vice chancellor	NA	NA	NA	NA	NA
Registrar	NA	NA	NA	NA	NA
Dean	Dr. Sukumaran Annamalai	O:0431-3058687	99946 45554	0431-3058877	deanmchrc@gmail.com
Vice Principal	Dr. Guru Datta Pawar	O: 0431-3058689	94499 74101	0431-3058877	pawarcmc@gmail.com
Convener	Dr. A. Sundhararajan	0431-3058691	97871 26320	0431-3058877	naaccmchrc@gmail.com
IQAC Senior Coordinator	Dr. P. Thirumalaikolundusubramanian	0431-3058817	94862 58115	0431-3058877	umatks@gmail.com

3. Status of the Institution : AFFILIATED COLLEGE

4. Type of University : Unitary

5. Type of College : Medicine - YES

6. Source of funding : Trust - YES

7. a. Date of establishment of the institution :

Letter of Permission : 14/07/2009

b. **In the case of university, prior to the establishment of the university, was it a/an**

Not applicable

c. **In the case of college, university to which it is affiliated**

The Tamilnadu Dr. M.G.R Medical University, Guindy, Chennai.

8. State the vision and the mission of the institution.

Vision:

We are dedicated to the creation of a competent and socially responsible health care system by strengthening and sustaining wholesome medical knowledge, altruistic service and progressive research

Mission:

1. To offer the best medical education to the students by state-of-Art teaching methodology and creating opportunity for self-learning programs
2. To create an affordable and quality health care delivery through/ by means of up to date technology of international standards
3. To develop innovators by providing collaborative research environment

9. a. Details of UGC recognition / subsequent recognition (if applicable):

Not applicable

b. Details of recognition/approval by statutory/regulatory bodies other than UGC (MCI, DCI, PCI, INC, RCI, AYUSH, AICTE, etc.)

Under Section / Claus	Date, Month and Year (dd/mm/yyyy)	Validity	Program/ Institution	Remarks
i. IMC act 1956, SEC10(A)	LOP- 14/07/2009	One year	MBBS	Nil
ii. 1 st Renewal	12/07/2010	One year	MBBS	Nil
iii. 2 nd renewal	25/07/2011	One year	MBBS	Nil
iv. 3 rd renewal v. 4 th renewal vi. Last Renewal	20/06/2012 20/08/2013 09/10/2015- February- 2019	One year One year FIVE Years	MBBS MBBS MBBS	Nil

10. Has the institution been recognized for its outstanding performance by any national / international agency such as DSIR, DBT, ICMR, UGC-SAP, AYUSH, WHO, UNESCO, etc.? - : No

11. Does the institution have off-campus centers : No

12. Does institution have off-shore campuses : No

13. Location of the campus and area:

Name of the campus	Location *	Campus area in acres	Built up area in sq. mts.
Main campus area	Irungalur, Trichy (RURAL)	56.75 acres	1,47,219.56 Sq.mts

(* Urban, Semi-Urban, **Rural**, Tribal, Hilly Area, any other (specify))

14. Number of affiliated / constituent institutions in the university :
NA

15. Does the University Act provide for conferment of autonomy to its Affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University : NA

16. Furnish the following programme : Not applicable

17. Does the institution conform to the specification of Degrees as enlisted by the UGC : NA

If the institution uses any other nomenclatures, specify :
Medical Council of India (MCI)

18. Academic programs offered and student enrolment : (Enclose the list of academic programs offered and approval / recognition details issued by the statutory body governing the programs)

Programs	Number of Programs	No. of students enrolled
UG	M.B.B.S	150 per year
PG	M.D.	15 per year
Total		165

- ✓ The Medical Council of India is the recognizing / statutory body which regulates admission and also approves both undergraduate as well as post graduate courses.
- ✓ The department of Anatomy, Physiology and Biochemistry has three post graduates per year where as Microbiology, Pathology and pharmacology has two PG's per year.
- ✓ All the courses are duly recognized by both MCI and The TamilNadu Dr.MGR Medical University.

19. Provide information on the following general facilities (campus-wise):

S. No		Yes	No
1	Auditorium/seminar complex with	✓	
Infrastructure Facility			
2	Sports - Out Door	✓	
3	Sports – Indoor	✓	
4	Residential facilities for faculty and non teaching staff	✓	
5	Cafeteria	✓	
Health Center			
6	First aid facility	✓	
7	Outpatient facility	✓	
8	Inpatient facility	✓	
9	Ambulance facility	✓	
10	Emergency care facility	✓	
11	Health centre staff	✓	
12	Qualified Doctor	Full time - ✓	
13	Qualified Nurse	Full time - ✓	
Others			
14	Facilities like banking, post office, book shops, etc.	✓	
15	Transport facilities to cater to the needs of the students	✓	
Students and Staff Details			
16	Facilities for persons with disabilities	✓	
17	Animal house	✓	
18	Incinerator for laboratories	NA	
19	Power house	✓	
20	Fire safety measures	✓	
21	Waste management facility, particularly	✓	
22	bio-hazardous waste	✓	

23	Potable water and water treatment	✓	
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Any Other Facilities – Specify

1	Auditorium/ Seminar complex with infrastructural facilities - Yes Auditorium has a total of 1210 sq mts, with seating arrangements and audio visual aids.
2	Sports facilities – Out door – Yes The institution has a very good sports facility which consists of playground- 28993 sq mts, which includes 400mts track, with a length of 120mts and breadth of 120mts, a football ground and a cricket ground.
3.	Sports facilities – indoor – Yes The institution has an excellent facility for indoor games like Table Tennis, Chess, Carrom, TV room, Gymnasium and a reading room. Table tennis, chess and carrom totally occupies 119.46 sq mts. TV room- 192.53 sq mts. Gymnasium- 113.84 sq mts. <i>All these above mentioned are for boys hostel and a same facilities for girls is also provided in their hostel, which are as follows.</i> Table tennis, chess, carom together constitute about 149.32 sq mts TV room-142.98, Reading room- 68.26 and Gymnasium including Yoga constitute 113.84 sq.mts.
4	Residential facilities for faculty and non teaching staff: Yes An extensive infra structure with 24 hours electricity (with generator back up), water supply and crèche are available for both teaching and non teaching staff of this institution. The campus is free of smoke and other industrial pollution, and also the residential area is free from noise pollution too. The following are the in detail description of it:
5	Quarters Details
	<p>a) An extensive infra structure with 24 hours electricity (with generator back up), water supply, crèche are available for both teaching and non teaching staff of this institution.</p> <p>b) The campus is free of smoke and other industrial pollution, and also the residential area is free from noise pollution too. The following are the in detail description of it:</p> <p>c) Dean's quarters (individual house): - 137.17 sq.mts for ground floor and 117.25 sq.mts for first floor, constituting for a total of 254.42 sq mts.</p> <p>d) Medical superintendent quarters (individual house):- ground floor: 137.17 sq.mts, first floor: 117.25sq mts.</p> <p>e) Guest house (individual house):- ground floor with first floor measuring a total of 254.42 sq mts (ground floor- 137.17 sq mts and first floor- 117.25 sq mts).</p>

	<p>f) Teaching staff quarters (Triple bed room) Block- A :- ground floor with five floors, each floor has two residential flats, in total of 10 flats.</p> <p>g) Teaching staff quarters (triple bedded- Block- b):- ground floor with five floors, each floor has two quarters, comprising of 10 flats.</p> <p>h) Teaching staff quarters- Block- F:- ground floor with six floors, each floor has four flats, with a total of 24 flats</p> <p>I) Non teaching quarters – Block-G:- ground floor with six floors each floor having four flats, with a total of 24 flats.</p> <p>j) Senior resident quarters- Block- E- ground floor with one floor:- measuring 286.65 sq mts and 282.74 sq mts respectively.</p> <p>k) Senior resident hostel- Block-D:- ground floor with six floors:- measuring 286.65sq mts and the rest all measuring 282.74 sq mts each.</p> <p>l) Junior resident quarters- Block-E:- ground floor for administrative purpose with second to six floors- each measuring 282.74 sq mts measuring a total of 1983.09 sq mts.</p> <p>m) Post Graduate hostel- both Pre and Para clinical(Block-D):- ground floor with six floors 286.65 in the ground floor & 282.74 sq mts in all other floors, with a total of 1983.09 sq mts.</p> <p>n) The institution has a crèche</p> <p>o) Post graduate hostel for clinical PG's is located in the hospital block- A on the 5th and 6th floors</p>
6	Cafeteria
	<p>Ground floor and two floors admeasuring 1163.32 sq mts respectively, with total of 3489.96 sq mts.</p> <p>This institution has an outdoor cafeteria, juice and refreshment center with in the hospital premises and a separate cafeteria at the entrance of the institution.</p>
7	Health Center
	<p>First aid facility: YES.</p> <p>Emergency services are available- 24 hours.</p>

8	Others
	<p>Out Patient facility: YES</p> <p>In the hospital premises all the department are having OP facility, where the patients are seen & required services are provided. In all the above mentioned departments Outpatient area in the ground floor admeasures 17845 sq mts.</p>

	<p>Inpatient facility: YES</p> <p>The hospital attached to this institution is an advanced tertiary care teaching institution with all departments, having their own inpatient wards, consisting of both male and female wards, special wards, intensive care units- intensive medical care unit, intensive surgical care unit, intensive paediatric care unit, intensive cardiac care unit and neonatal intensive care unit. All the above said facilities are well supported by necessary equipments, pertaining to their purpose.</p>
	<p>Ambulance facility : YES</p> <p>Available, the hospital is well supported by ambulance service owned by the institution, consisting of a total of four vehicles with all equipments for emergency care like cardiac monitor, pulse oxymeter, nebulizer, oxygen cylinder, defibrillator, necessary drugs for the management of emergency situations.</p>
	<p>Ambulance facility –Emergency care facility:- (casualty)- YES.</p> <p>This institution has a well-equipped casualty department to cater the needs of the public. It also has specially posted Doctors(casualty medical officers, intensivists, Physicians, Surgeons, orthopedicians, paediatricians & obstetricians and gynaecologists</p>
	<p>Details of Department</p>
	<ul style="list-style-type: none"> • Health centre staff: - Qualified Doctor: full time- YES. - Qualified Nurse: full time- YES.
	<p>Details of Department</p>
	<ul style="list-style-type: none"> • Health centre staff: <p>Qualified Doctor: full time- YES. Qualified Nurse: full time- YES.</p>
	<ul style="list-style-type: none"> • Facilities like banking, post office, book shops etc. <p>The institution has a ATM at its entrance to cater the needs of the public(patients), and also for the staff. The ATM is well maintained by the bank officials with the logistic support from the institution like 24 hr power supply etc. Post office: NIL. Book shops: NIL.</p>

Transport facilities : To cater the needs of the students and staff:

- ✓ The institution provides about 15 buses to the staff and to the students to pick them up from their residence to the institution and back to their residence.

- ✓ More over separate buses are allotted for students to attend community medicine posting in Urban health centre and Rural health centre located far away from the college.
- ✓ Apart from this separate buses are been provided to pick up patients from key areas like chatram and other areas to the hospital and drop them back to the area from where they were picked up after consultations at the hospital.
- ✓ Shuttle vans to transport the nurses from their quarters to the hospital and bring them back to their hostels. In the afternoon hours students are picked up from the college after classes are over to their hostel for lunch and after an hour they are dropped back to the college for afternoon sessions.

Facilities for persons with disabilities:

Special shuttle vans are arranged to cater the needs of patients with disabilities to bring them to the hospital then back to the bus stop. In the hospital wheel chairs, crutches and stretchers are at the disposal for them and also a hospital attendee is accompanied with them to all the consultants, if they are in need of.

Animal house: YES

A separate building is meant for this purpose fulfilling all the requirements the government has laid down, (as the institution is a research centre). A veterinarian is posted on regular duty to look after and take care of the animals.

Incinerator for laboratories: No

In accordance with pollution control board, this institution has signed a contract with a private organization to collect, dispose the waste generated from the hospital, college and other residential areas including the hostel and to dispose it off in accordance with the rules and regulations laid down by pollution control board of the state.

More over all the doctors, students, interns and nurses have been taught how to handle with different types of waste from the hospital in colour coded bags and containers, with all safety precautions. This institution has a team of doctors and other para medical staff who exclusively deal with this issue (bio medical waste) and monthly meetings are conducted to review the activities.

Power house:

A fully functional power house is located within the campus, ensuring 24 hrs power supply with main electricity board lines and massive generator back up.

Fire safety measures: YES

Specially appointed fire safety personnel are in place to ensure fire safety measures and also all the areas of the entire campus are separately supplied with massive water pipe lines for this purpose, besides fire extinguishers at all noticeable places with highlighting drawings and reflector stickers.

Waste management facility:

Particularly bio-hazardous waste: This institution has signed a MoU with a private organization to collect, dispose the waste generated from the hospital, college and other residential areas including the hostel and to dispose it off in accordance with the rules and regulations laid down by pollution control board. More over all the doctors, students, interns and nurses have been taught how to handle with different types of waste from the hospital in colour coded bags and containers, with all safety precautions. This institution has a team of doctors and other para medical staff who exclusively deal with this issue (bio medical waste) and periodical meetings are conducted in this regard to keep them informed about the issue, control of it and also to keep them abreast with the with the latest trend. This entire procedure is managed, maintained by the bio medical waste management officer, Medical Superintendent, Residential medical officer and the Dean. Periodical review is done to keep up the quality.

Potable water and water treatment plant: YES

The institution has invested in a water treatment plant located at the rear end of the campus with a separate building with all machinery for this purpose. The waste water after treatment is utilized for watering the garden, in order to keep the campus green.

Two Reverse osmosis treatment plant cum distribution system is in place for water supply to all residential, college and hospital as well as hostel areas.

20. Working days / teaching days during the past four academic years:

Number stipulated Working Days	Number stipulated Teaching Days
260 days	240 days

Regulatory Authority Number by the Institution

('Teaching days' means days on which classes/clinics were held. Examination days are not to be included.)

21. Has the institution been reviewed or audited by any regulatory authority? If so, Furnish copy of the report and action taken there upon (last four years).

YES - Medical Council of India, New Delhi and The Tamil Nadu Dr. M.G.R Medical University, Chennai, Tamil Nadu.

22. Number of positions in the institution

Positions	Teaching Faculty	ac hin cu nic al
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	Professor	Associate Professor	Assistant Professor	Tutor /Clinical instructor	Senior Resident		
Sanctioned by the Government	No government sanctioned post since the institution is a private college						
Recruited							
Sanctioned by the Management	18	33	50	85	30	92	53
Recruited	40	22	55	85	37	338	107
Sanctioned by the Regulatory authority							
Cadre Ratio							
MCI	18	33	50	85	30	92	53
Recruited	18	33	50	85	30	338	107

23. Qualifications of the teaching staff :

Highest Qualification	Professor		Associate Professor		Assistant Professor		Lecturer		Tutor / Clinical Instructor		Senior Resident	
	M	F	M	F	M	F	M	F	M	F	M	F
Permanent teachers												
D.M./ M.Ch.	-	-	-	-	-	-	NA	NA	-	-	-	-

Ph.D./D.Sc./D.Litt / M.D./ M.S.	24	15	13	9	31	24	NA	NA	-	-	16	14
PG (M.Pharm./ PharmD, DNB, M.Sc., MDS., MPT, MPH, MHA)	1	-	-	-	-	1	NA	NA	3	3	-	-
AB/FRCR/FRCP/ MRCP/MRCS/ FDSRCS	-	-	-	-	-	-	NA	NA	-	-	-	-
M.Phil.							NA	NA				
UG							NA	NA	32	47		
Temporary teachers : NIL Contractual teachers : NIL												

24. Emeritus, Adjunct and Visiting Professors : Nil

25. Distinguished Chairs instituted : Nil

26. Hostel

a) Boys' hostel: Available

- i. Number of Rooms : 140
- ii. Number of inmates : 280
- iii. Facilities : Sick room, Recreation room, Visitors room, Reading room, Internet room and Indoor games room.

b) Girls' hostel: Available

- iv. Number of Rooms : 140
- v. Number of inmates : 280
- vi. Facilities : Sick room, Recreation room, Visitors room, Reading room, Internet room and Indoor games room.

c) Overseas students hostel : Nil

- d) Hostel for interns : Available**
- vii. Number of Rooms :
 Boys : 29
 Girls : 30
- viii. Number of inmates : 87 (Boys) and 90 (Girls)
- ix. Facilities : Recreation Room, Indoor games, Visitors & Reading Room.

e) PG Hostel

- x. Number of Rooms
 Boys : 28
 Girls : 28
- xi. Number of inmates : Boys-14 and Girls-14
- xii. Facilities : Recreation Room, Indoor games, Visitors & Reading Room.

27. Students enrolled in the institution during the current academic year, with the following details:

From the state where the institutions located	Students		UG		PG						Integrated Masters		M. Phil		Ph.D		Integrated Ph.D	
					MD / MS		DM		MCH									
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
65	85	02	08	-	-	-	-	-	-	-	-	-	-	-	-			

28. Health Professional Education Unit / Cell / Department

1	Year of establishment - Medical Education Unit	2010.
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2	Number of continuing education programs conducted (with duration)
	<p>Induction programme: YES- done for both UG's as well as PG's once they enter the institution, so as to give them up an impetus to the course concerned.</p> <p>Orientation: 7 for undergraduates and 3 for post graduates so for. The main objectives are to make the novice to feel at home atmosphere, get them a glimpse of what they have to do, how to orient themselves for the new environment etc.</p> <p>Refresher course: conducted by the MEU with respective departments.</p> <p>Post graduate: PG orientation programme, Personality development programme. The objectives for the Post graduates are more specific and deep. The importance of thesis work, how to start about, how to go about, literature search, survey, etc are dealt in detail.</p>

29. Does the university offer Distance Education Programs (DEP) :
Not applicable

30. Is the institution applying for Accreditation or Re-Assessment ? :
Accreditation /cycle 1

31. Date of accreditation* : Not applicable

32. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university
Not applicable

33. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).
IQAC establishment date : 24.12.2016

34. Any other relevant data, the institution would like to include (not exceeding one page)

- ✓ The institution has in place some of the unique philanthropic activities which attract many laurels to this august institution.
- ✓ It is in accordance with the mission and vision of this institution the management has taken painstaking measures to implement and also to keep it alive certain unique programmes which is beneficial for the patients and in general for the public. They are as follows.
- ✓ **Maternity camp:** this is organized by the department of OG, SPM along with the logistic and financial support from the management: it includes registering pregnant women in rural & semi urban areas in and around this institution, continuously monitoring them with frequent visits by

trained nurses for check up, and a financial assistance is also provided for them. Then following which the pregnant women are admitted in labour ward for further professional management. At the time of discharge a sum of Rs. 8000/= is given in hand for further assistance. The entire above said program is completely free of cost.

- ✓ Along with students the faculty in the **SPM department** has outreach programs, like anemia detection, DM screening, HT screening, etc, creating awareness about them etc.
- ✓ The institution is equipped with a **yoga lab** with qualified professional yoga trainers, who dedicate themselves for this purpose. The yoga lab also encourages and trains students who are interested in it.
- ✓ As already mentioned the institution has free bus services for patients to help them reach the hospital and get consultation.
- ✓ The institution also supports the care givers, by accommodating them in special areas built for them, with 24 hours power, water supply and security.
- ✓ The In-patients are provided with free food during their stay at the hospital.

CRITERION I: CURRICULAR ASPECTS

Summary

The medical institution constantly watches the progress and developments taking place in the fields of medical education, updating as per the latest scenario and direct their teaching accordingly for the syllabi of subject carefully developed and routinely revised by The Tamil Nadu DR. M.G.R Medical University, Chennai, Tamil Nadu.

The following are some of the practices adopted by the institution to sustain and enhance quality with respect to academic excellence and clinical activity.

- The medical institution has Undergraduate (MBBS) and Postgraduate (MD) programmes. The curriculum, syllabus and regulations are as per the norms prescribed by The Tamil Nadu Dr. M.G.R Medical University, Chennai. Admission procedure and time frame for academic work and examinations are followed as per the affiliated university guidelines and norms.
- Knowledge based education, efficient health care to people and result oriented research are the three main goals of the institution.
- It is necessary that the syllabi are routinely revised to provide the state of the art knowledge in every subject. A senior faculty of the institution is nominated as member, Board of Studies of the university helps in the regular revision and modification of syllabus or examinations
- The postgraduate programmes provide for core optional subjects as per curriculum need in all departments.
- ICT enabled teaching, microteaching, special attention to slow learners and challenges to advanced learners are constantly practiced by the faculty.
- Continuing Medical Education programmes, project works, clinical training, field and camp experience, seminar and workshop participation, active laboratory trainings help the students to be learner centered and skill oriented during the programmes.
- Youth red cross (YRC), Green Club, Yoga and Sports activities are some of the activities that help the students to enrich their physical and mental life.
- Feedback form from all stakeholders and its analysis is used to update time frame, the Teaching Learning and Evaluation process, Infrastructure amenities, Research scope and patient care.

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning, Design and Development

1.1.1 Does the institution have clearly stated goals and objectives for its educational program?

Yes. The institution has formulated its goals and objectives giving proper consideration to the concern of all beneficiaries. This is reflected in the mission, vision and objectives statement of the institution.

Vision:

We are dedicated to the creation of a competent and socially responsible health care system by strengthening and sustaining wholesome medical knowledge, altruistic service and progressive research

Mission:

1. To offer the best medical education to the students by state-of-Art teaching methodology and creating opportunity for self-learning programs
2. To create an affordable and quality health care delivery through/ by means of up to date technology of international standards
3. To develop innovators by providing collaborative research environment

1.1.2 How are the institutional goal and objectives reflected in the academic programs of the institution?

- The goals and objectives of the institution revolve around three main segments, education, health care and research.
- The academic programmes of the institution are aligned with the present day scenario pertaining to the three segments to the students, faculty and the affiliating University syllabus.
- Special emphasis in academic programmes is provided to diseases as per demographic data.
- Through various community outreach programmes, field visits, health camps the institution is anchored as the top most leader in the health care sector.
- By way of research the institution plays a role in filling lacunas in the field of basic sciences, medical education and replications to the health care sector.
- The various student programmes and Youth Red Cross activities act as value added services in the evolution of dynamic leaders who will have an impact on the society and contribute the nation as a whole.

1.1.3 Does the institution follow a systemic process in the design, development and revision of the curriculum? (If yes, give details of the process, need assessment, feedback etc.)

- The construction of curriculum is consistent with learning objectives
- The institution follows the curriculum approved and revised as prescribed by MCI and affiliating University.

- The institution gets feedback on the existing curriculum from all the stakeholders, HODs, Faculty and Students and undergoes constant evaluation and revision in the academic council meetings.
- Suggestions derived from the feedback are forwarded to the board of studies of the University for further Discussion and consideration.
- Curriculum contains formal experiences in clinical problem solving and decision making

1.1.4 How does the curriculum design and development meet the following requirements?

Community needs

The curriculum trains the students in community oriented health care designed by the university.

Professional needs and competencies

Continuous training in professional skills and competencies is carried out through skill training programmes, simulated skill lab, workshops, and direct patient consultations.

Research in thrust /emerging areas:

Undergraduate and post graduates students are encouraged to apply for research proposals and technical knowhow. They are directed to projects with internal funding and external funding and self directed funding.

Innovation

In all the teaching learning processes the institution stresses innovation through the medical education unit. Innovative methods in basic and clinical sciences are being implemented under the unit.

Employability

Training in basic sciences and clinical sciences enables the graduates highly skilled in their work and suitable for employment.

1.1.5 To what extent does the institution use the guidelines of the regulatory bodies for the development and /restructuring the curricula? Has the institution been instrumental in leading any curricular reform which has created a national impact?

- The institution is affiliated to The Tamil Nadu Dr. M.G.R. Medical University.
- A member is appointed from the institution to the board of studies of the university who works for the improvement of the curriculum.
- A suggestion given by forensic medicine department to introduce medico legal conference in medical colleges affiliated to the university has been implemented.

1.1.6 Does the institution interact with industry, research bodies and civil society in the curriculum revision process? If so, how has the institution benefitted through interactions with the stakeholders?

- Under the guidance of research cell, the undergraduates, post graduates and faculty are motivated to take up research projects.

- The UG students do both ICMR funded and self-funded projects that have resulted in publications.
- PG student research work helps in widening the knowledge.
- Research publications by faculty and their Ph.D work add to the existing knowledge.

1.1.7. How are the global trends in health science education reflected in the curriculum?

- The shift from teacher centered teaching to student centered teaching
- Activity based learning
- Emphasis on self learning
- Innovative teaching learning methods
- Inter/Multi-disciplinary programmes

1.1.8 Give details of how the institution facilitates the introduction of new programs of studies in its affiliated colleges?

Not applicable

1.1.9. Does the institution provide additional skill oriented programs relevant to regional needs?

Patient safety programmes, Basic Life Support, Eye donation programme are some of the skill training programmes organized by the institution which are relevant to regional needs.

**1.1.10 Explain the initiatives of the institution in the following areas:
Behavioural and social science**

- The students are taught good behaviour with patients and attenders in all situations.
- The students communicate with the local community and understand the social issues.
- The institution has students of various social levels from different parts of Tamilnadu and from other states.
- Most of the students are residing inside the campus and they learn to adjust and work together.

Medical ethics/Bio ethics/Nursing ethics

- Ethical committee as per ICMR guidelines.
- Bioethics for interns by the medical education unit

Practice management towards curriculum and /or services

- The curriculum emphasize on practical, work.
- The students attend health camps and outreach programmes which help them to develop a community based practice.

Orientation to research

- Research methodology workshop for faculty and students
- ICMR STS programmes for student research

Rehabilitation

The following rehabilitation activities are carried out in the institution

- Physiotherapy
- Audiology and speech therapy in ENT department
- AIDS/HIV counselling by dermatology department
- Alcoholic Counselling by psychiatry department
- Student counseling

Ancient scriptural practices

- Yoga lab and research centre aid in creating awareness and training in ancient practice of yoga among students. The physical director who has a Ph.D in yoga regularly trains the students.

Health economics

- The Purchase and store department along with hospital administrative department regularly conduct cost audit.
- The results are shared with all departments and necessary steps taken to monitor the cost of health care given by the institution.

Enhancement of quality of services and consumer satisfaction

By establishment of committees that look after quality of services like

- Internal quality assurance cell (IQAC)
- Institutional Research Board (IRB)
- Total quality management cell (TQM)

1.1.11 How does the institution ensure that the evidence based medicine and clinical practice guidelines are adopted to guide patient wherever possible?

- The medical and surgical audits and mortality meeting of the institution sustain evidence based practice.
- Protocols for patient management
- Protocols for investigations and diagnostics

1.1.12 What are the newly introduced value added programs and how are they related to the internship programs?

As this is a professional graduate programme there is no value added programme in curriculum. But the institution conducts yoga training programmes and online NPTEL courses for the students and faculty members.

1.1.13 How does the institution contribute to the development of integrated learning methods and integrated health care management?

Vertical and horizontal integration of subjects taught

- Regular vertical and horizontal integrated teaching programme for UG and PG
- Guest lecturers from specialty departments to share knowledge
- Invited speakers in CME and Seminars

Integration of subjects taught with their clinical application

- The basic science department teaches applied clinical aspects from the first year.
- The students are exposed to clinical cases from the first year.

Integration of different systems of health care (Ayurveda, Yoga, Unani, Homeopathy, etc.) in the teaching hospital

Not pursued

1.1.14. How is compatibility of programs with goals and objectives achieved with particular reference to priority of interface between public health, medical practice and medical education?

- The MBBS curriculum is oriented towards training students to become physicians capable of providing preventive, curative and rehabilitative management of patients in community.
- The community orientation is provided from the first year till internship through community rural health centre postings and village house visits, surveys and camps.
- Adequate sensitization is given to all national health programmes

1.2 Academic Flexibility

1.2.1 Furnish the inventory for the following:

Programs offered on campus

The Institution offers following courses on campus,

- Under graduate : MBBS
- Post graduate : MD courses in the following subjects
Anatomy, Physiology, Biochemistry,
Pathology, Pharmacology and Microbiology

Programme level	Name of the programme	Duration	Entry qualification	Allotted seats	Filled up seats
UG	MBBS	4.5 years	12 th pass with required cut off. Pass in NEET	150	150
PG	MD	3 years	MBBS and NEET Entrance mark	15	10

- ✓ Overseas programs offered on campus : NONE
- ✓ programs available for colleges/students to choose from : MBBS & MD

1.2.2. Give details on the following provisions with reference to academic flexibility

a. Core options

Faculty	Core options	Options (Mandatory)
Under Graduate MBBS	4 1/2 years with 21 core subjects	Preclinical year-3 Para clinical year-5 Clinical year-12
Post graduate MD	Anatomy 3 years with 4 options	Gross anatomy Histology and histo techniques, museum techniques Neuro anatomy, embryology Surgical anatomy Radiological anatomy Research and biostatistics
	Physiology	General physiology Digestion and tissues of body Circulation Respiration Environmental physiology, Comparative physiology Excretion, Nervous system Clinical physiology Endocrinology Reproductive physiology
	Biochemistry	Physical and organic biochemistry Instrumentation and biochemical techniques Enzymes Nutrition and metabolism Clinical biochemistry Diagnostic biochemistry Molecular biochemistry Recent advances
	Pathology	General medical and surgical pathology Systemic pathology Immuno pathology Haematology Applications to technological advances in laboratory services Applied pathology with recent advances

	Microbiology	General microbiology Immunology Systemic bacteriology Virology parasitology Mycology Applied microbiology
	pharmacology	General pharmacology with experimental pharmacology bioassay Systemic pharmacology Clinical pharmacology Applied pharmacology Recent advances Pharmaco therapeutics Forensic pharmacology

b. **Elective options** : Nil

c. **Bridge courses** : Nil

d. **Enrichment courses**

The following training programs are being conducted based on needs assessment analysis, along with the regular teaching schedule

Enrichment training	Training level
Computer technology	UG, PG
Microteaching	PG
Medical education techniques	PG, faculty
Research methodology	UG, PG, Faculty
Infectious control surveillance	UG, PG, Faculty
Biomedical waste management	UG, PG, Faculty
Basic cardiac care management	UG, PG, Faculty
PG entrance training	UG
Pharmaco vigilance	UG, PG, Faculty

All specialty departments of the institution conduct CME programmes and guest lectures on recent developments in their field.

The students are motivated to participate in quiz, case presentation, oral presentation, poster presentation, and short film making competitions organized at state, national and international level by various organizations.

e. **Credit accumulation and transfer facility** : Not applicable

f. **Courses offered in modular form** : Courses are offered as per MCI regulations.

g. **Lateral and vertical mobility within and across programs, courses and disciplines and between higher educational institutions**

The university and MCI do not permit lateral and vertical mobility within programs.

- h. **Twinning programs** : NONE
 i. **Dual degree programs** : NONE

1.2.3 Does the institution have an explicit policy and strategy for attracting students from other states?

In UG and PG program a percentage of the seats are filled by central counselling where in, domiciliary status remains as a criteria for eligibility. Yet, the percentages of seats filled in by the management do have other state students. The following are some of the factors that attract other state students to the institution.

- ❖ Vast lush green pollution, tobacco, alcohol free campus
- ❖ Availability of hostel facility, food court, playground, ATM etc.
- ❖ Language training to help in moving around locally.

Socially and financially backward sections

Educational loan facility and scholarships.

International students – Nil

1.2.4 Does the institution offer self-financing programs? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programs?

The college is a self financing private institution and does not receive grants or aid from government. Admission, fee structure, teacher qualification and salary are in par with aided institutions.

1.2.5 Has the institution adopted the choice based credit system (CBCS)/credit based system? If yes, for how many programs? What efforts have been made by the institution to encourage the introduction of CBCS in its affiliated colleges?

The MCI norms are being followed strictly for the programs in the institution.

1.2.6 What percentage of programs offered by the institution follow:

Annual system - 100% as prescribed by MCI

1.2.7 How does the institution promote multi/inter-disciplinary programs? Name a few programs and comment on their outcome?

The programs offered by the institution inherently possess involvement of different departments.

The following are inter/multi-disciplinary programs being promoted by the institution

Faculty	Course Level	Number of Participating departments
Medicine	UG – MBBS	20
	PG – MD	
	Anatomy	5
	Physiology	8

	Bio Chemistry	8
	Microbiology	3
	Pathology	3
	Pharmacology	5

1.2.8 What programs are offered for practicing health professionals for skills training and career advancement?

Medical education programs with workshops are conducted by the departments for recent developments and skill enhancement. In addition the following programs are also offered

Name of the program	Conducting department	New program being developed
BLS	Emergency medicine	ACLS
Patient safety program	Medical education unit	Ethical practice of medicine
Eye donation program	Ophthalmology	-
Simulation based training	Medical education unit, Emergency Medicine	-

1.3 Curriculum enrichment

1.3.1 How often is the curriculum of the institution reviewed and upgraded for making it socially relevant and /or skill oriented/ knowledge intensive and making the emerging needs of students and other stakeholders?

- The curriculum is provided by medical council of India and affiliating university.
- Topics related to current advances, new treatment methods, emerging diseases in national scenario are given importance in the curriculum.
- A multi-disciplinary teaching programme involving super specialties is also carried out for the students.
- Active participation of students in the CMEs, seminars, and symposia conducted by departments help to maintain the relevancy of the curriculum

1.3.2 During the last four years, how many new programmes were introduced at the UG and PG levels? Give details?

Six post graduate programmes were introduced past four years. The details are given below.

Course	Level	Year of starting
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MD	PG	2013
Anatomy Physiology Biochemistry Pathology Microbiology Pharmacology		

1.3.3 What are strategies adopted for the revision of the existing programs? What percentage of courses underwent a syllabus revision?

The institution offers professional UG and PG medical courses, stipulating to the syllabus and curriculum of the affiliating university and medical council of India. The institution has no scope for revision of syllabus unless advocated by the council and affiliating university. However, the institution forwards the feedback obtained from various stakeholders to the board of studies of the university.

1.3.4 What are value added courses offered by the institution and how does the institution ensure that all students have access to them?

Equipping the graduates to handle the emerging global health care needs, the institution offers the following value added courses both for UG and PGs

- Basic computer training
- English fluency
- Communication and soft Skills
- BLS
- ACLS
- ATLS
- First responder training
- Save a life workshop
- Palliative care training
- Research methodology training
- Biomedical waste management training
- Infectious control surveillance training
- HPLC training for PG
- Orientation training in
 - ✓ milk pasteurisation
 - ✓ water treatment
 - ✓ sewage treatment
 - ✓ food safety
 - ✓ meat hygiene
 - ✓ birth and death registry
 - ✓ occupational health hazards
 - ✓ rehabilitation process

These programs are conducted by qualified faculty so as to enable the students to gain knowledge and useful information.

The institution encourages students to participate actively in relief works during floods and natural calamities to help the community.

The slow learners are offered extra classes and evening clinics for better performance and achievement.

1.3.5 Has the institution introduced skills development programs in consonance with the national health program?

- Training and awareness about the national health policy and programs is one of the objectives of the health care professional curriculum.
- The UG and PG program that is being followed has scope for training the students about the national health policy and programs.
- The relevant departments organize activities for implementation of national health programmers and also WHO days.

The institution provides the following extension activities working with some governmental organizations like NACO, National Pulse polio etc.

- ✓ HIV/AIDS awareness program
- ✓ Eye donation awareness program
- ✓ Rural awareness on TB
- ✓ Antibiotic resistance awareness
- ✓ Cancer awareness in rural area
- ✓ Global hand washing program
- ✓ World asthma day program
- ✓ Breast feeding week program
- ✓ Nutrition week program
- ✓ Mental health awareness program
- ✓ School health service orientation
- ✓ ICDS orientation
- ✓ Student guidance and counselling program
- ✓ Pulse polio program
- ✓ Health camps
- ✓ Blood donation camps
- ✓ Health surveys

1.3.6 How does the institution incorporate the aspect of overall personality development addressing physical, mental, emotional and spiritual wellbeing of the student?

The following activities help the students in physical, mental, emotional and spiritual wellbeing.

- Physical training and sports meet
- Yoga training
- Mentorship and psychological counselling
- Various club activities
- Cultural activities
- Religious activities

1.3.7 Does the curriculum provide for adequate emphasis on patient safety, confidentiality rights and education?

Yes. The following steps are taken to emphasize on patient safety, confidentiality rights and education.

- Regular orientation, appraisal and on job training.
- Hospital infection control committee, institutional ethical committee proceedings.
- Patient safety and good practices training workshop for Interns, nurses.

1.3.8 Does the curriculum cover additional value systems?

Yes.

- Additional value systems like social values, ethics and personal values form part of the curriculum.
- The need for ethical clearance submission for any research project by UG and PG students inculcates ethical value.
- The community oriented outreach programs of departments teach social values.
- Personal value of doing no harms to others is learnt in clinical setting.
- The Red Cross youth wing of the institution regularly works for social causes.

1.4 Feedback system

1.4.1 Does the institution have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

Yes.

- Feedback is periodically obtained by the faculty during teaching learning process and also at the end of the particular posting in clinical departments or the subject in non-clinical departments.
- Data analysis during intra departmental review meetings.
- Modification in the teaching learning process.
- Convergence of outcomes to the expected level.
- End of posting performance reviewed in intra departmental meetings.
- Used in re-evaluating the activities of the department.
- Issues that can be managed at departmental level are looked into by the head of the department, while those requiring administrative decisions are communicated to the Dean. Valuable suggestions are also forwarded to the board of studies of the University for further action.

1.4.2 Does the institution elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions etc, and their impact.

Yes.

- Resource persons of CME, Workshop and training organized at the institution are valuable sources of suggestions from external faculty which are presented in the college council for discussion.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum and extent to which it is made use of.

The institution nominates a member to the board of studies of the UG & PG curriculum committee of the institution which discusses the curriculum in periodical meetings.

- The coordinator submits the deliberations to college council
- The college council discusses the deliberations.
- A member is nominated to the BOS of the university to present it to the university.
- The suggestion if accepted is implemented by the university.

1.4.4 Based on feedback, what is the quality sustenance and quality enhancement measure undertaken by the institution in ensuring the effective development of the curricula?

By means of the various programs and trainings the institution ensures the sustenance and enhancement of quality

- ✓ Orientation course for the undergraduates and post graduates
- ✓ Integrated teaching for undergraduates and post graduates
- ✓ Languages classes and computer classes
- ✓ Motivating and funding undergraduate research and publication through research cell
- ✓ Post graduate training in research and bio statistics
- ✓ Faculty development program
- ✓ Interns skill enhancement training
- ✓ Periodic continuous medical education programmes
- ✓ Periodic hands on training workshops
- ✓ Innovative teaching modules

1.4.5 What mechanisms are adopted by the management of the institution to obtain adequate information and feedback from the faculty, students, patients, industry, hospitals, general public, employers, alumni, and interns etc and review the activities of the institution?

- ✓ Faculty-Departmental review meetings, college council meetings, UG and PG curriculum committee meetings to review curriculum and its reforms
- ✓ Student-Periodic and end of posting/subject feedback, suggestion boxes in departments
- ✓ Patients, General public –complaint boxes and suggestion boxes
- ✓ Interns- At the time of completion respective departments collect feedback.
- ✓ Parents- A dedicated liaison officer gets feedback and answers queries regarding curriculum from parents.

- ✓ Academic experts-Suggestions and reviews of external examiners, visiting resource persons, guest lecturers are documented.

CRITERION II: TEACHING-LEARNING AND EVALUATION

Summary

The institution believes that TLE is the core of the academic process and following are the salient features adopted by the institution.

- Students are selected based on the merit and based on their eligibility after clearing a competitive all India entrance examination, national entrance eligibility test (NEET) in a transparent admission process.
- The institution follows an academic calendar which specifies the date of course commencement, working days, holidays, tests and examinations, practical and university examinations, vacation etc.
- Every department has a regular teaching schedule which is strictly followed by all the teachers and students.
- The regulations and frame work provided by MCI is strictly followed in the TLE schedule
- ICT enabled methods are extensively employed by the teachers in most of the departments along with the chalk and talk lecture method. Multimedia teaching aids such as OHP, LCD, CD-ROMs and computer systems are often employed in lectures.
- Seminars, presentations, field work in camps, group discussion, case studies, tutorials etc enhance the self and participatory learning of the students.
- A mentorship system in which 10-15 students are allotted under the care of a faculty. The faculty motivates, guides, monitors and helps all the students under their care, especially the slow learners.
- Regularly, orientation programme for the newly joining students is inducted.
- Faculty development is given importance in the institution. Continuing medical education programmes for faculty development are organized in many areas.
- Teachers are evaluated regularly by the students and the feedback outcome is conveyed to the teacher for either encouragement or improvement.
- Every department has its library with necessary text books, reference books and computers with internet access.
- The department insist on lesson plans and provision of course material, question banks, assignments to the students.
- The institution implements self appraisal of teachers in every academic year which plays a significant role in faculty advancement.
- Malpractice in the institution is unheard of in the institution. Strategic placement of students in the hall, strict invigilation, visit by flying squads and CCTV monitoring ensure that the examinations are conducted properly.
- In a nut shell, transparent admission, well planned calendar of events and adherence to it, qualified and competent teachers, practical and

clinical oriented training and strict evaluation process make a very effective TLE process in the institution.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student enrolment and profile

- The institute strictly follows the admission rules laid down by the Tamil Nadu Dr. MGR Medical University and MCI for admission processes
- All seats are filled through counseling process
- More than 55% of enrolment is women since 2009 in the institute and representations to SC, ST, OBC is ensured during counseling process
- Well updated website, prospectus, brochures, state-of-art facilities, infrastructure, experienced faculty and rich source of clinical material help in enhancing the demand ratio and creating a brand name.

2.1.1 How does the institution ensure publicity and transparency in the admission process?

Publicity:

- A detailed admission notification is hosted in the university website about the process of admission for undergraduate and post graduate programs.
- Notification is published in leading national and regional newspapers for admission.

Transparency in the admission process:

- Students are selected for professional programs based on their merit in a competitive NEET UG exam and also through the marks obtained in the public examination conducted by Tamilnadu state government higher secondary board.
- Preparation of merit list and its notification is done by Dr.MGR Medical University for state counseling and national board of examinations for NEET

2.1.2 Explain in detail the process of admission put in place by the institution. List the criteria for admission: (e.g.: (I) merit, (ii) merit with entrance test, (iii) merit, entrance test, aptitude and interview, (iv) common entrance test conducted by state agencies and national agencies (v) any other criteria (specify).

- 50% of the seats are filled by the government counseling process based on higher secondary marks.
- 50% of the seats are filled by management from among the NEET passed eligible candidates by counseling.

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same.

Not applicable

2.1.4 Does the institution have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

- No, Institution has no role in reviewing the admission process.
- It is periodically reviewed at the level of Ministry of Health and Family Welfare, Govt. of India.
- Admission process is through the National Entrance Examinations (NEET) as per the new rules laid down by the government.

2.1.5 What are the strategies adopted to increase / improve access for students belonging to the following categories :

- SC/ST
 - OBC
 - Women
 - Persons with varied disabilities
 - Economically weaker sections
 - Outstanding achievers in sports and other extracurricular activities
- Students are admitted based on the central government and state government reservation norms. Thus students from all sections of the society are enrolled. The statistics indicates that more than 58% of enrolled students are women

2.1.6 Number of students admitted in the institution in the last four academic years:

COMMUNITY	2009	2010	2011	2012	2013	2014
OC	9	0	0	0	10	21
OBC	1	80	0	83	0	0
BC	87	0	81	0	85	65
MBC	19	0	21	0	28	33
SC	19	26	26	25	14	22
OTHERS	4	0	6	0	0	0
DNC	7	0	9	0	3	0
FC	1	0	0	0	0	0
SCA	0	0	0	0	4	3
ST	0	1	1	1	0	2
BCM	0	0	6	0	6	3
General	0	43	0	41	0	0

2.1.7 Has the university conducted any analysis of demand ratio for the various programs of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

- Demand ratio analysis is periodically conducted by MOHFW.
- Based on the findings the number of MBBS seats was increased in all the medical colleges' in the year 2009.

2.1.8 Were any programs discontinued / staggered by the institution in the last four years? If yes, specify the reasons.

- No. The institute has not discontinued any programmes during the last four years

2.2. Catering to student Diversity

- Information regarding informative brochure, prospectus, website, contact personnel is made available by the institute.
- Following admission, orientation program is conducted for students. Program regulations, syllabi, campus details, department details are discussed and informed to the students and parents.
- Anti-ragging policy is in place in the institute and a committee headed by the dean and faculty ensures there is no ragging.
- Integration of subjects is done s throughout the course duration.
- Provision of student counselor, mentor system, residential hostels, mess, canteen, sports facility: Hostel wardens, supervisors and security staff ensure safety & security of students.
- Communication skills are taught to the students.
- There is a provision for identifying fast, medium and slow learners and remedial measures are taken for slow learners to cope up with the rest of the students.
- Activities like quiz competitions, ICMR STS projects are available for students to improve their intellectual skill and ability.
- The institute follows the policy of religious tolerance, secularism, national integration, non-discrimination, prevention of harassment, respect for culture, heritage and dignity of labour, human rights and respect to Indian constitution.
- To reduce stress and to improve mental wellbeing practice of Yoga and Meditation, sports, cultural programmes, stress management strategies are incorporated in students day to day activities
- Throughout the course duration, students are oriented towards graduate attributes, learning expectations, outcomes, curriculum, syllabi, and exam system

2.2.1 Does the institution organize orientation / induction program for fresher's? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

- A structured orientation program of 4 days is conducted for to all new entrants on curricular and co curricular aspects, various departments, research opportunities, assessment methods, yoga, stress and time management, physical education, language and communication skills etc.
- Following the orientation session, feedback from students are obtained, analyzed and is used improvement of the program.

2.2.2 Does the institution have a mechanism through which the “differential requirements of the student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Yes. The institution receives feedbacks from the students after admission regarding the college, class rooms, accommodation, mess, sports facilities, recreational facilities etc. through the respective officers and satisfies the requests and demands.

2.2.3 How does the institution identify and respond to the learning needs of advanced and slow learners?

- The institution identifies slow and advanced learners by their performance in class tests by the teachers.
- For slow learners, the following are the measures taken
 1. One to one teaching,
 2. Additional tests on weekly basis,
 3. Mentoring,
 4. Parents teacher meeting,
 5. Discussion on previous assessment papers,
 6. Special classes
- **Strategies for fast learners.**

Encouragement to undertake ICMR and management sponsored STS projects
Encouragement to publish their research findings participation in seminars, conferences, workshops.

Assignments, Participation in quiz, scientific expos and competitions act as student peers / mentors for other students

2.2.4 Does the institution offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department - wise/faculty-wise?

Remedial coaching

- The slow learners are given remedial classes after the regular class hours
- The remedial classes are held in the departments by the respective subject teacher. Additional demonstrations and practical sessions are also conducted if required.

- Special sessions on stress management and concentration enhancing techniques are organized by the centre for yoga.

Add on course

- Guest lectures are organized periodically for the students.

2.2.5 Has the institution conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, differently-abled, etc.? If yes, what are the main findings?

- Performance of students is analyzed through formative and summative assessment done at the department level
- Learning objectives, competencies and performance are continuously done by class teachers, HODs, Deans
- Corrective measures are taken the mentor mentee level
- Regularity of the students in academics is assessed through review of attendance

2.2.6 Is there a provision to teach the local language to students from other states/countries?

- Generally there is no need to stress this with the students as almost most of them hail from Tamilnadu. However, this aspect is stressed during the orientation program to the students of other states through skits and instructions.
- All the students are advised to be conversant with the local language as it would help students with their communication, history taking and patient management skills

2.2.7 What are the institution's efforts to teach the students moral and ethical values and their citizenship roles?

Strategies and processes that inculcate moral and ethical values and their citizenship roles in students:

- Moral and ethical values are discussed frequently by the dean, vice-principal, respective HODs and faculty.
- Invited speakers deliver inspirational and motivational guest lectures on ethical values periodically
- Celebration of all regional, religious, cultural and national festivals in a rational way
- Participation / organization in various events to sensitize on TB, AIDS, Diabetes mellitus, Polio, breast feeding, nutrition & hygiene, health (personal & public), anti tobacco, save environment programs
- All research projects are to be cleared by institutional ethical committee.

2.2.8 Describe details of orientation/ foundation courses which sensitize students to national integration, Constitution of India, art and culture, empathy, women's empowerment, etc.

- The institute conducts literary competitions periodically.

- There is a separate gender harassment committee in the institution
- Student council undertakes cultural and literary activities throughout the year

2.2.9 Has the institution incorporated the principles of Life Style Modifications for students based on Eastern approaches in their day to day activities?

Yes. Exposure to this aspect is usually stressed during the orientation program and the students are advised to follow the same in their day to day activities

2.2.10 Has Yoga/Meditation/any other such techniques been practiced by students regularly as self-discipline?

Institute has Centre for yoga therapy education and research (CYTER). Following are its activities.

- Establishing yoga therapy centre, financing and monitoring
- Conducting periodical meetings and reviews.
- Motivating students and staff to participate in yoga training.
- Advising the organizing committees regarding modalities of conducting training, education and research.
- Conducting all activities of yoga.
- Inviting other institutions for participation
- Maintaining records of activities of yoga programs for verification.
- Communicating all yoga programmes well in advance to all concerned and getting their feedback.
- Increasing membership for yoga club by motivating students and faculty members.
- Motivating and sensitizing faculty members and students to benefits of yoga in relation to various physical, physiological, psychological and metabolic disease deceases..
- Initiating research on benefits of yoga during pregnancy, obesity, increasing memory and for special children.
- Publishing yoga research in reputed journals.
- Submitting project proposals to funding agencies and getting them sanctioned.

2.2.11 How does the institution attend to the diverse health issues (physical and mental) of students and staff?

- Being a medical institution, the college provides the best health care services and facilities for students and employee at free of cost.
- The institute ensures good health and wellbeing by health check-up, vaccination, infection control strategies, ADR monitoring centre activities, mortality audit etc.
- Centre for yoga education and research conducts programs regularly for students and faculty.

- Counselling and guidance are given to students and faculty by department of psychiatry and qualified counsellors.

2.2.12 Does the institution cater to the needs of groups / individuals requiring special attention by conducting group classes / special individual trainings / focused group discussion / additional training measures etc.?

- Slow learners are identified and additional tutoring is given for them in their academics
- The institution ensures preparation of academic calendar, teaching plan, rotation plan, course plan, unit plan, evaluation methods, clinical teaching, community teaching etc.
- Integrated teaching, microteaching, journal clubs, SGT, QA session, concept clarification sessions are carried out by faculty to help the students explore their abilities and nurture them
- Research activities are given importance by encouraging the students to undertake ICMR – STS projects
- Faculties are advised to adopt pedagogical methods to improve the TLE process.
- Guest lectures, CME programs, quiz competitions, poster presentations are frequently organized
- For all PG studies, dissertation work is mandatory
- Well-developed central laboratory containing sophisticated instruments are in place for better diagnostic purpose

2.3 Teaching-Learning Process

2.3.1 How does the institution plan and organize the teaching-learning and evaluation schedules such as academic calendar

- The institution has a well documented academic calendar. The calendar includes details of working days, holidays, time table, Internal Assessment Exam schedule, examination schedule, course commencements dates, college reopening dates, various events dates, observation day dates, fee payment dates, dress code, Anti Ragging committee details, etc.
- It is issued to the students during orientation programs when they join the institution.

Master plan

It is prepared by the Deans of the institution, based on institute's academic calendar which becomes the basis for teaching plan.

Teaching plan

- The faculties prepare the teaching plan as per The Tamil Nadu Dr. M.G.R Medical university curriculum and syllabi.
- The allotment of work is done for theory, laboratory, demonstrations, ward rounds, bedside teaching, integrated teaching, microteaching, journal clubs etc.
- Accordingly, department time tables are prepared and posted on the

department notice board

Rotation plan

Clinical posting schedules are made during the start of the academic year and are given to the students.

Course plan

- The course contents are planned by individual departments setting broad and specific learning objectives.
- At the end of the academic year, feedbacks are collected from students and faculty and appropriate modifications are made in the course plan for the subsequent year

Unit plan

- Individual departments subdivide the course into several units based on the importance of the topic

Evaluation blue print

- This is done by formative and summative assessment for which the dates are planned at the start of the year. The details are informed to the students

Outpatient teaching

- Students are briefed and taught during their clinical postings. Practical skills are tested and doctor patient relationship is emphasized

In-patient teaching

- Bedside clinical classes are conducted during the clinical postings. Students are also posted to operation theatres to learn procedural skills.

Clinical teaching in other sites

- Students undergo specific training in the departmental laboratories and gain knowledge and experience in clinical practices.

Teaching in the community

- Students are taken to field visits to water and sewage treatment plants, ICDS, PHCs slaughterhouse, milk dairies, leprosy centre, district TB office, school health service, birth and death registration office by the department of community medicine.

2.3.2 Does the institution provides course objectives, outlines and schedules at the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

- Yes, all departments of the institution display monthly schedules in their notice board.
- Internal assessment schedules, university exam schedules are displayed in detail in the notice board in coordination with the medical education unit.
- Feedbacks form students are incorporated and modifications are carried out to improve effectiveness

2.3.3 Does the institution face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

- Since the academic calendar and course plans are planned during the beginning of the academic year there are no such problems.
- In case of any such difficulties, extra classes are conducted for completion of syllabus.

2.3.4 How learning is made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

Teaching Methods Adopted by the Faculty	
Didactic lectures Seminar Symposium Lectures with PPT Peer group discussion Early clinical Posting to various medicine allied department. Small group teaching Models based teaching Simulation software based teaching Experiments and demonstrations OSPE, OSCE	Black board White marker board Over head projector Power Point slide with LCD Interactive board Web based learning Community based learning Integrated teaching Students Research Projects Tutorials Case presentation

2.3.5 What is the institution's policy on inviting experts / people of eminence to augment teaching-learning activities?

- Eminent faculty members are invited as guest speakers to address students on topics of health and related topics.

2.3.6 Does the institution formally encourage learning by using e-learning resources?

- University encourages e-learning resources through the central library.
- Medical education unit regularly conducts programs for staff and students in usage of e-learning and hands on activities are carried out on media usage.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning and open educational resources used by the faculty for effective teaching?

- Institution has active learning centre with internet facility for use by students and faculty.
- The faculty members are given user name and password to assess the e journals subscribed by the institution.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source

Community and integrate its benefits in the institution's educational processes?

- The institution medical education unit teaches innovative teaching methods and organizes demonstrations to the faculty.

2.3.9 What steps has the institution taken to transition from traditional classrooms into an e-learning environment?

- Class room sessions are supplemented with multimedia resources to make teaching more effective.
- Video recording of the practical demonstrations are provided to the students.

2.3.10 Are there provision for the services of counselors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

- Yes. Mentorship principles are practiced for the benefit of students.
- Each faculty mentors meets 5 to 10 students.
- The mentor monitors the students progress in academics and co-curricular activities throughout their course

2.3.11 Were any innovative teaching approaches/methods/practices adopted and implemented by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

- For MBBS students the institution employs a teaching method based on students learning preferences.
- They are given a questionnaire to find out whether they are auditory learners or visual learners or kinaesthetic learners.
- Based on the result students are given training in their preferred method of learning.
- The innovation is periodically reviewed using student feedback and performances and appropriate corrections are incorporated

2.3.12 How does the institution create a culture of instilling and nurturing creativity and scientific temper among the learners?

- The institution encourages creativity both in academic and non academic domains.
- Undergraduate students bring out their creativity by developing project works with the help of guides for ICMR STS research projects.
- They attend quiz programs, essay competitions, case presentations, microteachings, presenting their works in CME and conferences held in the institute and also in other institutes in the country.
- Many students take active part in cultural and sports activities and display

their skills.

2.3.13 Does the institution consider student projects mandatory in the learning program? If yes, for how many programs have they been (percentage of total) made mandatory?

Student projects are not mandatory as per the affiliating university syllabus and curriculum. However 78 projects have been carried out in the institution.

External institutions for student project work

- SASTRA university Tanjore, Bharadhidasan university Trichy, Regional medical research centre, Port Blair, Harshamithra cancer research institute, Shankarnethralaya, Chennai, KAPV medical college Trichy, PSG medical institute Coimbatore, Aravind eye hospital Madurai, Maulana Azad medical college New Delhi, Lady Hardinge Medical college New Delhi

Role of faculty in facilitating such projects

- Faculty members guide students in carrying out the projects

2.3.13 Does the institution have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

- Yes the institute has qualified and competent faculty to handle the curricular needs of all courses.
- It follows the MCI guidelines for faculty positions.
- In case of vacancies, deserved candidates are selected, following recruitment procedure.

2.3.14 How are the faculty enabled to prepare computer-aided teaching/learning materials? What are the facilities available in the institution for such efforts?

- Faculties are encouraged to adopt ICT enabled teaching methods through faculty development program by the departments and medical education unit.
- Every department has computer and laptops to be used by the faculty for computer aided teaching learning process.

2.3.15 Does the institution have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

- Feedback is obtained from the students.
- Feedback is assessed by the medical education unit and is discussed with the concerned faculty.
- Alumni evaluate the faculty informally whenever they visit the institution

2.3.17 Does the institution use telemedicine facilities for teaching-learning processes? If yes, cite a few instances.

No

2.3.18 Does the institution utilize any of the following innovations in its teaching - learning processes?

- ICT enabled flexible teaching system.
- All lecture classes are ICT enabled for interactive learning.

Reflective learning

- Reflective learning is by hands on experiments that enhances the professional abilities in students.

Simulations

- Simulations are available in majority of the departments both clinical and non clinical.
- Mannequins are available to train the students in handling labour, connecting IV lines, CPR, dressing and suturing

Evidence based medicine.

- It is developed as a part of integrated curriculum in medical faculty under the MEU

Emphasis on development of required skills, adequate knowledge and appropriate attitude to practice medicine.

- Clinical postings and lab postings are mandatory for students.
- It is assessed by internal assessments and also as a part of university exams.
- Students are expected to get a minimum percentage to pass these assessments

Problem based learning (PBL).

- Students are given a problem with a set of clues.
- They are monitored by the faculty to conduct proper investigations and arrive at appropriate diagnosis.

Student assisted teaching (SAT).

- Postgraduates take lecture classes for undergraduate students, thus improving their teaching ability and interaction between students.

Self directed learning and skills development (SDL).

- Skills lab and simulations allow students to develop more complete knowledge of the subject.

Narrative based medicine.

- Accounts of important discoveries are told to students using role models and play acting
- Discussion of medical humanities.
- Students' visit school campuses, remand homes, geriatric homes, schools for blind/deaf & dumb to learn human aspects of medical practice.

Drug and poison information assistance centre.

- Yes. Drug information centre functions as a part of hospital pharmacy.

Ayurveda practices

- Not practiced in the hospital

Yoga practices.

- Yoga classes are organized to promote wellbeing by the physical director who has a Ph.D in yoga.
- The institute has a well developed yoga lab for students and faculty.

Yoga therapy techniques.

- Research is being conducted by students and faculty to study the effectiveness of yoga in health.

Naturopathy and its practices-

- Not practiced

Any other.

- None

2.3.19 Does the institution have an Electronic Medical Records facility, staffed by trained and qualified personnel? Is it used for teaching-learning process?

- The institute is in the process of implementing an indigenously designed Hospital Management System with EMR facilities.

2.3.20 Does the institution have well documented procedures for case sheet writing, obtaining informed consent and discharge process of the patients?

- Yes the institution has clear documentation policies which include formats for admission records, history taking, and case sheets maintenance and write up notes for various procedures.
- Informed consent is usually obtained from the patients after explaining the procedure in simple language understandable to them.
- Undergraduate and postgraduate students are trained for case sheet writing and history taking.

2.3.21 Does the institution produce videos of clinical cases and use them for teaching- learning processes?

- Yes. Videos on clinical cases are used by faculty and students.
- The Institute's central library stores the CDs and DVDs for students access.

2.3.22 Does the institution perform medico legal/post-mortem procedures with a view to train the undergraduate and post-graduate students in medico legal procedures?

- Being a private medical college the institution is not permitted to perform medico legal post-mortem procedures.
- However, students visit government hospitals and observe autopsies. Video clippings and video conferencing are used to teach students the various aspects of autopsies.

2.3.23 Does the institution have drug and poison information and poison detection centres? How are these used to train the students?

- Yes. Drug information centre functions as a part of hospital pharmacy

- under the department of pharmacology
- Pharmacology PG students are posted to the Drug information centre.
 - The centre provides information about drugs and poisons through handouts, notes, learning materials, charts, catalogues, etc.
- 2.3.24 Does the institution have a Pharmacovigilance / Toxicology centre /clinical pharmacy facility / drug information centre/Centre for disease surveillance and control/ Prevention through Yoga/Promotion of positive health / Well – equipped Psychology Laboratory/ Naturopathic diagnostic centre, etc.?**
- Yes the institute has pharmacovigilance and ADR monitoring centre.
 - The institute has clinical pharmacy facility functioning round the clock
 - The institute has Drug information centre functioning as a part of hospital pharmacy
 - Centre for disease surveillance and control exists in department of microbiology
 - Centre for Yoga therapy and Yoga research are available in the institute
 - Promotion of positive health is done through counselling by department of psychiatry

Laboratories / Diagnostics

- 2.3.25 How is the student's learning process in the laboratories/diagnostics monitored? Provide the laboratory time table (for the different courses).**

Student staff ratio in the laboratories / diagnostics.

- Central Clinical Laboratory carries out biochemical, hematological, embryological, hormonal, microbiological, immunological, pathological, cytological assays etc. through auto and semi auto analysis as well as kit based diagnostic by qualified technicians; SOPs quality checks and supervisions at all levels are strictly followed.
- Radiology (Diagnostic) department for x-ray, USG, MRI, CT scan, mammogram, Doppler
- Diagnostic laboratories at Pathology, Microbiology and Biochemistry
- Department level diagnostic and therapeutic facilities at departments of Medicine, OBGY and Surgery related specialities, psychiatry, cardiology, neurology, gastroenterology (EEG, ECG, Endoscopic, Laparoscopies, 2D ECHO)
- Department of physiology conducts nerve studies.
- Departmental laboratories at all departments for UG-PG studies
- The HODs prepare the time table indicating the postings, rotation plan and practical hours, with the approval of the dean.
- Faculty supervises batches of allotted students as per time table.

2.3.26 How many procedures / clinical cases / surgeries are observed, assisted, performed with assistance and carried out independently by students in order to fulfill learning objectives?

- As part of their training students are given opportunity to observe procedures, starting from their clinical postings.
- They perform procedures during their internship and enter in a log book which is inspected and monitored by higher authorities.

2.3.27 Does the institution provide patients with information on complementary and alternative systems of Medicine?

- The senior doctors explain the benefits and risks associated with the complementary systems of medicine and the patients are guided and allowed to make their own decision.

2.3.28 What are the methods used to promote teaching-learning process in the clinical setting?

- Students are posted in clinical departments in a systematic schedule.
- They are divided into small groups and trained by faculty in all aspects.
- They are also posted to operation theatres to observe the procedures and surgeries.

2.3.29 Do students maintain log books of their teaching-learning activities?

- Yes. Students maintain log books.
- They enter the activities everyday and get them checked by the faculty.

2.3.30 Is there a structured mechanism for post graduate teaching-learning process?

- Yes. Post graduate courses are well structured and schedules are made according to their curricular needs

2.3.31 Provide the following details about each of the teaching programs :

- **Number of didactic lectures**
Each department decides the number of didactic lectures, the topics and timings. Accordingly, they are delivered and the data is maintained by the departments.
- **Numbers of students in each batch**
The MCI sanctioned strength is 150 per year for MBBS. The class strength is 150, In PG the sanctioned strength varies from department to department.
- **Number of rotations**
Rotation plan is in place for Interns and PG students within their department specialties' and in selected super specialty departments /units/centre (diagnostic, therapeutic like dialysis, ICU, Emergency Cath lab etc). Interns will have compulsory posting of one year among various branches of medicine. PG students undergo compulsory clinical postings

for 6 months

Details of student case study / drug study

- All the clinical as well as Pharmacology departments teach the drug policy, generic drugs, FDA approvals (National / International) their effects, side effects, complications, contraindications etc. Essential drug list is available in the department of pharmacology
- ADR is monitored by pharmacovigilance committee following the guidelines of department of pharmacology

Number of medical / dental procedures that the students get to see

S. No	Name of the Department	Students get to see
1	Medicine	Pleural tap Pleural biopsy Ascitic tap Peritoneal biopsy Pericardial tap Lumbar puncture Basic Life Support Advance Life Support D.C shock Buccal smear
2	Radiology	Interventional procedures
3	Pediatrics	Breast Feeding Pleural tap Pleural biopsy Ascitic tap Peritoneal biopsy Pericardial tap Lumbar puncture Basic Life Support Advance Life Support D.C shock
4	Surgery	Vasectomy Incision & Drainage Wound suturing Suture removal Different types of dressing Proctoscopic examination Upper GI endoscopy Lower GI endoscopy Laparoscopic surgeries Laprotomy and intervention Disaster management techniques

5	Obstetrics & Gynecology	Pap smear D & C Tubectomy Caesarean section Forceps delivery Vacuum delivery Other assisted deliveries Fetal ultra sonogram Vaginal surgeries Laparoscopic surgeries Laprotomy and intervention
6	Anesthesiology	Different types of anesthesia Endotracheal intubation Ventilatory support
7	ENT	Handling epistaxis Removal of foreign body Endoscopic procedures – Diagnosis & Therapy Surgical procedures
8	Ophthalmology	Removal of foreign body Surgical procedures
9	Orthopedics	Endoscopic procedures – Diagnosis & Therapy Surgical procedures Handling fracture cases
10	Psychiatry	Electro Convulsive Therapy
11	Chest medicine	Bronchoscopy Foreign body removal
12	Dermatology	Skin clipping Scrapping for diagnosis Epilation Modern therapeutic techniques
13	Dental	Extraction Filling Cleaning Root canal treatment Biopsy
14	Pathology	Bone marrow biopsy Aspiration biopsy Preparation of peripheral smear
15	Microbiology	Collection of throat swab, nasal swab, vaginal swab, etc

Mannequins / Simulation / skills laboratory for student teaching

Mannequins are available in department of anaesthesiology to teach students regarding the concepts of CPR. Simulation is available in department of

pharmacology for animal studies

Number of students inside the operation rooms at a given time–
5 – 10 students per OT.

Average number of procedures in the ORs per week, month and year -
Details are elaborated in 4.2

Autopsy / Post-mortem facility

The institution is not permitted to conduct autopsies. Mortuary facilities are available as per MCI norms

2.4. Teacher quality

- Well qualified, competent and experienced faculty as per MCI norms
- Medical Education Unit conducts faculty development programs and update faculty members in recent innovative technologies.
- Eminent faculty members are invited to deliver guest lecturers frequently.
- Conferences, seminars, CME programs are organized by the institute. Faculty are encouraged to participate in conferences /symposiums workshop /organized by other institution.
- Faculties are provided with accommodation, leave facilities, recreational and sports facility etc.

2.4.1 How does the institution plan and facilitate its faculty to meet the challenging requirements of the curriculum?

- The institution's medical education unit facilitates its faculty to meet the requirements of the curriculum by faculty development programs.
- In addition various CME, workshops and training programs are organized to enable the faculty updated.

**2.4.2 Does the institution encourage diversity in its faculty recruitment?
Provide the following details (department/school-wise)**

Institute	% of faculty from the same university	% of faculty from other institutions within the state	% of faculty from institutions outside the state	% of faculty from other countries
CMCHRC	46.31%	27.14%	27.13%	0%

2.4.3 How does the institute ensure that qualified faculty are appointed for new programs/emerging areas of study? How many faculty members were appointed to teach new programs during the last four years?

- Appointment of faculty strictly adheres to the MCI norms.

- The institution publishes advertisement in national newspapers followed by well defined interview and selection procedure.

2.4.4 How many Emeritus/Adjunct faculty/Visiting professors on the rolls of the institution?

As per the affiliating The Tamil Nadu Dr. MGR Medical University, Chennai and The Medical Council of India, there is no sanctioned position for Emeritus/Adjunct faculty/Visiting professors.

2.4.5 What policies/systems are in place to academically recharge and rejuvenate teachers?

- The institution provides necessary infrastructure, technical, financial assistance for organizing training, CME and conferences.
- The institution promotes faculty development by funding grants for attending training in medical education technology.
- Academic leave is granted to faculty for presenting research papers and /or for delivering guest lecturers in national and international conferences.
- Through the research cell the institution constantly stimulates faculty to apply for grants from reputed funding agencies.
- Collaborates with other universities and sends faculty for training to foreign hospitals outside the country.

Program	Number of faculty deputed
Faculty development program	10
Off shore training	3

2.4.6 How many faculty received awards/recognitions for excellence in teaching at the state, national and international level during the last four years?

* National and international recognition received by the faculty from reputed professional bodies and agencies

Sl. No	Name of the faculty	Designation & Department	Name of the Award	Awarding organization	Year
1	Dr. K. Muthukumar	Professor Pediatrics	Active Pediatrician Award	IPA	1999
2	Dr. A. Jesudoss	Professor ENT	Doctors day award	Indian Medical Association – Thanjavur	2003
3	Dr. S. Elango	Professor Community Medicine	Sathanaiyalar Award	GnanaPeedaIlakiaPeravai, Madurai	2003

4	Dr. A. Jesudoss	Professor ENT	State Doctors day award	Indian Medical Association – Tamilnadu	2006
5	Dr. S. Elango	Professor Community Medicine	National Leadership Award	Federation of Indian Chambers of Commerce and Industry (FICCI)	2009
6	Dr. S. Elango	Professor Community Medicine	Life time achievement award	Government of Tamilnadu	2010
7	Dr. S. Elango	Professor Community Medicine	Friend of polio eradication	Rotary club, Chennai	2010
8	Dr. P. ThirumalaiKolundusubramanian	Professor Medicine	Best teacher Award	The TN Dr. MGR Medical University, Chennai	2010
9	Dr. SD. Nalina Kumari	Professor Anatomy	Meritorious Service Award	Kerala Chapter of Anatomical Society of India	2010
10	Dr. S D. Nalina Kumari	Professor Anatomy	Life Time Achievement Award	Government of Kerala	2010
11	Dr. Kalavathy Ponniraivan	Professor Biochemistry	Best teacher Award	The TN Dr. MGR Medical University, Chennai	2011
12	Dr. Navaneethan	Professor Orthopedics	Best teacher Award	The TN Dr. MGR Medical University, Chennai	2011
13	Dr. Kalavathy Ponniraivan	Professor Biochemistry	Life Time Achievement Award	The TN Dr. MGR Medical University, Chennai	2012

14	Dr. A. Uma	Professor Microbiology	Best teacher Award	The TN Dr. MGR Medical University, Chennai	2012
15	Dr. S. Elango	Professor Community Medicine	Best Teacher Award	The TN Dr. MGR Medical University, Chennai	2012
16	Dr. RM. Natarajan	Professor General Surgery	Best teacher Award	The TN Dr. MGR Medical University, Chennai	2012
17	Dr. Vijayakumar	Professor Anesthesiology	Excellency in Anesthesia	The TN Dr. MGR Medical University, Chennai	2012
18	Dr. Raja Manoharan	Professor Anesthesiology	Life Time Achievement Award	Indian Society of Anesthesia, TN State chapter	2012
19	Dr. PR. PrabuElango	Professor Pediatrics	Honorary Professor of Pediatrics	IMA college of General Practitioners	2012
20	Dr. P. ThirumalaiKолundusubramanian	Professor Medicine	Dr. B. Ramamorthy Oration Award	IMA, Trichy chapter	2012
21	Dr. P. ThirumalaiKолundusubramanian	Professor Medicine	Tamilnadu Medical Council Award	Tamilnadu Medical Council	2012
22	Dr. PR. Prabu Elango	Professor Pediatrics	Active Pediatrician Award		2013
23	Dr. PR. Prabu Elango	Professor Pediatrics	Dr. Lakshmi bhai oration Award	Annamalai University	2013

24	Dr. P. Nallamuthu	Professor Ophthalmology	Best Doctor Award	Thanjavur District	2014
25	Dr. S. Elango	Professor Community Medicine	Outstanding Achievement in public health	SRM University	2014
26	Dr. Gurudatta S. Pawar	Professor Forensic Medicine and Toxicology	Award for dedicated teaching service		2014
27	Dr. P. ThirumalaiKolundusubramanian	Professor Medicine	Dr.Ramamoorthy oration Award	Indian Medical Association Trichy	2014
28	Dr. P. Nallamuthu	Professor Ophthalmology	Oration award	Association of Community Ophthalmology	2015
29	Dr. P. ThirumalaiKolundusubramanian	Professor Medicine	Beeny Quin Award for Research	Association of Physicians of India, Theni	2015
30	Dr. S. Sellaraman	Professor Pediatrics	Best Doctor Award	Indian Medical Association Tamilnadu	2015
31	Dr. C. Gomathi	Professor Obstetrics and Gynecology	Life Time Achievement Award	Indian Medical Association Thanjavur	2016
32	Dr. L. Manivannan	Physical Director	Best Teacher Award	Indian Young Olympian federation	2016
33	Dr. L. Manivannan	Physical Director	Dr. APJ Abdul Kalam memorial Award	Marina Labs	2016

			for Teaching excellence		
34	Dr. N. Prabhusaran	Microbiology	Excellence in Microbiology	Indian Health Professional Association	2016
35	Dr. L. Manivannan	Physical Director	Excellence in Yoga and Naturapathy	Indian Health Professional Association	2016
36	Dr. P. ThirumalaiKолundusubramanian	Professor Medicine	Fellowship	Indian College of Physician	2016
37	Dr. L. Manivannan	Physical Director	Yoga Research	International Yoga Federation	2017

2.4.7 How many faculty underwent professional development programs during the last four years?

Faculty development programs	Number of faculty
Orientation program	17
Workshops	116
Seminar/symposia/Conferences	245
CME	292
Special lectures	94

2.4.8 How often does the institution organize academic development programs for its faculty aimed at enriching the teaching learning process?

- The MEU of the institution conduct basic medical education workshop with focused discussion on curriculum and reforms.

- The workshop encourages the faculty to employ new innovations in pedagogy.

2.4.9 Does the institution have a mechanism to retain faculty? What is the annual attrition rate among the faculty?

Yes. The institution has the following provisions.

- Regular pay
- Academic leave for attending conference and training
- Provision of residential accommodation ,transportation
- Encouraging couple to work at one place based on their qualification and expertise
- Provision of Sports and recreational facilities
- The annual attrition rate is less than 20%

2.4.10 Does the institution have a mechanism to encourage Mobility of faculty between Institution / universities for teaching / research? Faculty exchange programs with national and international bodies? If yes, how have these schemes helped in enriching the quality of the faculty?

- Yes. The institution has a MOU with Harvard University for training faculty in various skills.
- This has resulted in initiation for setting up a stimulation lab for skills development.

2.4.11 Does the institution have well defined career advancement policy for health science professionals? If yes, outline the policy

- Yes. The institution encourages faculty to take up research and publish their findings.
- Also through research cell the institution inspires faculty to send in project proposal for funding from reputed agencies.

2.4.12 How does the institution create synergies with other PG institutes for generating required number of specialists and super specialists?

The institution appoints required number of specialist and super specialists by a search and selection process from various national level PG institutes.

2.4.13 Does the institution conduct capacity building programs/courses in subspecialties for its faculty?

- Yes. Various departments of the institution do conduct conference, training and workshop to train their faculty in recent advances.
- MEU conduct faculty development program, OSCE/OSPE development training, Validation of OSCE/OSPE training.
- Faculties are sent to external institutions like CMC Vellore and Sri Ramachandra University for training.

2.5 Evaluation process and Reforms

- Emphasis is given for both formative and summative evaluation and internal examinations. MCI norms and Dr. MGR medical university regulations are strictly followed in the evaluation.
- Confidentiality is ensured in all aspects of examinations.
- Innovative open book examinations are done as projects by faculty
- Examinations are conducted under CCTV, surveillance. Flying squads appointed by .Dr. MGR medical university inspect during the university examinations.
- Revaluation and re totaling are allowed as per the university norms.

2.5.1 How does the institution ensure that all stakeholders are aware of the evaluation processes that are in place?

- The institution strictly follows the MCI guidelines and the University evaluation process.
- The students and parents are made aware of the evaluation procedure during the orientation program.
- The information is also given in the information booklet given to the students.
- The faculty is aware of the pattern and changes if any through circulars, and council meeting discussions.

2.5.2 What are the important examination reforms implemented by the institution? Cite a few examples which have positively impacted the examination system

The following are the examination reforms implemented by the institution.

Summative examination

- Installation of Cell phone Jammers inside the examination halls
- Surveillance by CCTV cameras and recording of the whole examination processes.
- Metal detectors at the entry point of the examination halls

Formative examination

- Increasing the number of formative assessments
- Remedial measures for low achievers like extra classes

2.5.3 What is the average time taken by the University for Declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode adopted by the institution for the publication of examination results.

- Usually within 30 days after the completion of examination the affiliating University declares the results on website and University notice board.
- The results are displayed in the institution notice board and website thereafter.

2.5.4 How does the institution ensure transparency in the evaluation process?

- All the formative assessment marks are maintained manually and electronically by respective departments
- The departments put up consolidated mark statements in the student notice board periodically.
- The corrected answer sheets are given to the students along with the key to ensure transparency in correction process
- The summative examination evaluation is done at the affiliating University as a centralized process

2.5.5 What are the rigorous features introduced by the university to ensure confidentiality in the conduct of examination?

The affiliating university takes the following steps to ensure confidentiality in the conduct of examinations.

- Instruct the paper setters to maintain strict confidentiality
- Select question paper from a pool of question papers
- Transmit question paper on line to the institution just 30 minutes before examination commencement.
- Bar coding the answer scripts.
- Online mark entry of theory and practical examination marks

2.5.6 Does the institution have an integrated examination platform for the following processes? Pre-examination processes-Timetable generation, hall ticket, OMR Student list generation, invigilators, squads, attendance, online payment gateway, online transmission of questions and marks etc

In collaboration with the affiliating university the institution maintains all the above said pre examination processes

Examination process- Examination material management, logistics etc

The institution ensures timely and safe transfer of answer scripts to the University for the Central Valuation.

Post- examination-Attendance capture, OMR based exam result, auto processing, result processing, certification etc

The online entry of practical marks on daily basis with sending the hard copy of the mark at the end of the practical examination helps promptness in the after examination phase.

2.5.7 Has the university /institution introduced any reforms in its evaluation process?

The affiliating university has introduced the following reforms in its evaluation process.

- Modification in the internal assessment procedure.
- Internal examinations to be conducted changed from three to five
- Double evaluation and third valuation if needed

- Moderation in accordance with suggestions from board of studies, and university senate.
- Question bank from which question paper is selected.
- Introduction of OSPE/OSCE

2.5.8 What is the mechanism for redressal of grievances with reference to examinations? Give details

Failed candidates can apply for

- Re-totaling of the papers
- Xerox copy of answer sheet

Other exam related grievances are taken up by the Dean of the institution and reported to the University.

2.5.9 Does the institution have a manual for examinations and if yes does it specifically take cognizance of examination malpractices by the students, faculty and non-teaching staff?

Yes. The university manual is followed which takes cognizance of all malpractices related issues.

2.5.10 what efforts have been made by the university to establish the operations at the Office of controller of examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

Office of controller of examination is situated in the affiliating university campus and not in the institution. However the institution appoints a chief superintendent for examination. The office of the chief superintendent is inside the examination hall and is under CCTV surveillance. The chief superintendent notifies list of invigilators for the examination from among the faculty. The paper for writing answers, the written answer scripts and the attendance sheet and invigilator signature sheets are all safeguarded and dispatched to the affiliating university. The chief superintendent alone knows the password to access the online question paper from the portal of the affiliating university before examination commencement.

2.5.11 What are the efforts of the institution in the assessment of educational outcomes of its students? Give examples against the practices indicated below compatibility of educational objectives and learning methods with assessment principles, methods and practices (rewrite)

The syllabus of the UG and PG programs are made in accordance with the expected outcome. The students are trained in skills by their individual performance under supervision. They are also trained on models such as mannequins etc. Performance in laboratory practical work is assessed by examinations. The theory part taught by lecture classes, seminars and group discussions is assessed by many written examinations..

Balance between formative and summative assessments

- ✓ In UG curriculum the formative assessment (Internal marks) forms a part of summative assessment and has 25% weightage.
- ✓ In PG curriculum the formative assessment has no weightage in summative results.

Increasing objectivity in formative assessments

The institution encourages its departments to use more OSPE and OSCE stations in formative assessment to improve the objectivity.

Formative (theory/orals/clinical/practical) internal assessment; choice based credit system; grading/marking

Every department conducts formative assessment in both theory and practical as per a schedule. The department holds seminars, journal clubs, and presentations as part of formative assessment.

Summative (theory/orals/clinical/practical)

The University conducts the examinations over a period after prior intimation of the dates for theory and practical examinations.

Theory-structure and setting of question papers-Essays, long answer, short answers, MCQ s etc. Question bank and key answers.

The question paper pattern is decided and fixed by the university. The institution uses the question paper set by the University for the Year End Examination. However each department has its question bank which they regularly update .The internal assessment papers are set selecting the question papers at random from the bank. The answer scripts are corrected as per the key provided by the university.

Objective structured clinical examination (OSCE)

OSCE is used as a tool in all assessments. The faculties develop OSPE stations. The MEU validates the OSCE before making use of them.

Objective structured practical examination (OSPE)

OSPE is used as a tool in all assessments. The faculties develop OSPE stations on regular basis. The MEU validates the OSPE before making use of them.

Any other

Seminars in case of UG and Seminars and journal club presentation in case of PG are used as evaluation tools.

2.5.12 Describe the methods of prevention of malpractice and mention the number of cases reported and how they are dealt with?

Following are some of the measures taken for malpractice prevention.

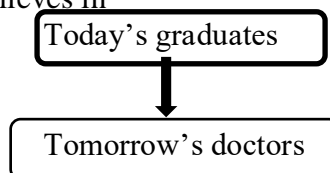
- Mobiles prohibited inside examination halls
- Mobile Jammers in halls
- Metal detectors at the entry
- Continuous CCTV surveillance
- Appropriate seating arrangement to prevent copying.
- Invigilator for every 20 students.
- No of malpractice cases : Nil:

2.6 Student performance and learning outcomes

- The institute ensures value based graduate attributes, expected learning objectives and outcomes from all the students.

2.6.1 Has the institution articulated its graduate attributes? If so, how does it facilitate and monitor its implementation and outcomes?

The Institution strongly believes in



The institutions strive towards generation of medical graduates who will be “**relevant in Indian scenario yet efficient in global context**”. Emphasis is given to the development of necessary attributes in every graduate. This is reflected in the curriculum, teaching learning, and assessment and evaluation process. The outcomes are monitored by mentorship programs and remediation taken whenever a gap between existing and expected outcome is found. The whole process ensures achievement of expected attributes at the end of the learning period.

2.6.2 Does the institution have clearly stated learning outcomes for its programme/departments? If yes, give details on how the students and staff are made aware of these?

The institution has clear expected out come from the programs and the same is notified to faculty and students. Feedback from faculty and students helps in assessing the program, identifying the gaps if any and revising it. The students are clearly told the attributes expected from them out of their academic program through the academic calendar, orientation programs, mentorship guidance etc.

2.6.3 How are the institutions’ teaching learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

- Proper execution of program
The faculties design the desired learning objectives and schedule. The schedule provides scope for knowledge competency by self-learning, seminars, discussions. Theory and practical’s are given equal importance. Clinical postings give needed exposure for the doctors to be.
- Critically evaluating the programme during and after implementation
- During implementation: Internal assessment provides an indicator for knowing the level of students. The poor performers undergo remedial classes while better performers get opportunities to explore beyond traditional areas.

- After implementation: Final assessment evaluates the students' outcome and achievement in the course.

2.6.4 How does the institution ensure that the stated learning outcomes have been achieved?

The student cell and medical education unit of the institution continuously monitor the student performance in the university examinations. The results are critically analyzed and appropriate measures are taken to ensure that the learning outcomes are achieved.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

Summary

Research activity is the backbone of the academic excellence of the institution. The students and faculty are encouraged to innovate, and are provided necessary infrastructure to carryout research in emerging areas. The following points summarize the efforts taken in the institution.

- ❖ A separate research cell named Institutional Research Board (IRB) with qualified faculty coordinates the research activities.
- ❖ Institutional Research committee, Doctoral committees, Institutional ethics committee (IEC), Institutional animal ethics committee (IAEC) and Intellectual property rights (IPR) cell direct the research activities.
- ❖ Each department has its own laboratory and facilities equipped to handle basic, applied and advanced research.
- ❖ Active research is being carried out in different areas including infectious diseases, nanotechnology, phytopharmacology, pharmacovigilance, clinical biochemistry, histopathology, cancer studies, eco-pollution and its management, diabetes, yoga, community surveillance, toxicological studies, alternate to animal studies, eco-pharmacology etc.
- ❖ The institution is a recognized research centre for SRM University, Kattankulathur and Karpagam University, Coimbatore since 2010. The institution has six Ph.D research guides, awarded two Ph.Ds and eleven Ph.D scholars are currently pursuing their research.
- ❖ The institution encourages research among its faculty and students in various ways like providing academic leave for presentations, conducting national and international seminars / conferences / symposia / research methodology workshop annually.
- ❖ The institution provides good support in terms of administration, infrastructure utilization, academic and human resources availability required to enable faculty to submit project proposals to funding agencies.
- ❖ The library has a large number of books, journals, e-journals, back volumes, CD ROMS for promoting research. Internet connectivity and browsing facility are also available in the library, departments and institutional research board.
- ❖ The faculty and students have published 403 papers in national and international journals over the last four years.
- ❖ A total of 78 short term studentships (STS) with a total outlay of Rs.7,80,000/- funded by Indian Council of Medical Research (ICMR) are being carried out by the Institution.
- ❖ Currently, 7 project proposals amounting to 2.03 crores have been submitted to various funding agencies for sanction.
- ❖ Collaborative research with many research institutions/ industries is actively pursued by the institution.
- ❖ An exclusive Research Methodology workshop is organized at national level annually with the support of external funding agencies.

- ❖ Symposia/ seminars/ conferences/ workshops/ CMEs are regular features in the institution. The institution is regularly recognized by Science Academics of India for organizing workshops and refresher courses. The institution so far organized 34 state and national level CMEs/ workshops/ symposia.
- ❖ One of the research faculty members of the institution has registered for D.Sc programme in the affiliated University.
- ❖ The faculty members of the institution have published 3 books. Many faculties have served as editorial associates and members in various national and international journals.
- ❖ In the Institution Research Board, the archives of programmes, Ph.D. thesis, MD projects are maintained.
- ❖ The institution has faculty who had received 35 awards from various national and international organizations.
- ❖ The institution has wide range of extension and outreach programmes (educational, healthcare, prophylactic, awareness etc.) with special focus on the under privileged and the vulnerable sections of the society.
- ❖ Consultancy services have been developed in the institution; thereby the faculty members are encouraged to guide external research scholars.
- ❖ Educational and technical consultancy is provided to other institutions if requested.
- ❖ The college has youth red cross (YRC) where more number of public related activities on healthcare, natural calamities, rehabilitation and training have been given. Many social surveys are conducted, awareness created and the data are published.
- ❖ All the students and faculty are motivated to participate in the social outreach activities like World AIDS day, World Breast feeding day, World TB day, World Environmental day etc.
- ❖ Faculties have separate divisions and laboratories including division of medical entomology, laboratory of leptospirosis, and division of Bio nanotechnology etc.
- ❖ Primary healthcare camps, school visits, blood donation camps, free health specialty clinics, eye camps are some of the outreach programmes periodically organized by the institution.

Overall, the research and development of the institution is growing constantly to reach the outlined goals and objectives of health science research.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

Key Aspects	Approach	Outcome
Promotion of Research	Facilitation participation in research	Exclusive wing for research activities with research faculty 78 ICMR – STS projects Faculty pursuing D.Sc. and Ph.D. programmes Invited lectures by scientific experts 27 conferences/ workshops/ CMEs One research related workshop Research linkages with 10 state, national and international institutes.
Resource mobilization for Research	Financial provision for research in budget	Students' research projects - 7,80,000/- Necessary infrastructures for research cell
Research facilities	Creating infrastructure for Research	Central research lab (facility) with qualified and trained faculty, equipments, instruments and supportive staff Separate research labs in all the pre and para clinical departments for post graduate and short term research.
Research publications and Awards	Performance linked incentives and publications	233 faculty institutional projects 13 faculty awards in the last five years 402 publications since 2009 in indexed journals. 03 published books.
Consultancy	Organization of consultancy	Negligible scope for consultancy
Extension activities and institution social responsibilities	Community outreach health care programs facilitating education and research	620 health camps since 2009 07 adopted villages for ensuring health care 30 external and 04 in house blood donation camps 26 social outreach programmes 06 YRC activities Regular yoga classes for students,

		faculty and staff
Collaborations	MOUs Collaborative research Publications	External instrumentation collaboration. Chief minister's comprehensive health scheme is implemented in collaboration with Govt. of Tamilnadu

Promotion of Research

3.1.1. Is there an Institutional Research Committee (IRC) which monitors and addresses issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Yes

Composition of IRC

Designation	Name and Affiliation
Chairperson	Dr. Sukumaran Annamalai, Dean
Vice Chairperson	Dr. Gurudatta S. Pawar, Vice Principal
Head	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine
Research Faculty	Mr. M. Ismail, Research Coordinator and Medical Entomologist Dr. N. Prabhusaran, Associate Professor of Research and Microbiology Dr. A. Sundhararajan, Assistant Professor of Biochemistry and Research
Faculty Members	Dr. Kalavathy Ponniraivan, Professor of Biochemistry
	Dr. A. Uma, Professor of Microbiology
	Dr. S.D. Nalinakumari, Professor of Anatomy
	Dr. NachalAnnamalai, Professor of Physiology
	Dr. R. Pramila, Professor of Pathology
	Dr. K. Vasanthira, Professor of Pharmacology
	Dr. P. Karthik, Professor of Surgery
	Dr. S. Sivaraman, Associate Professor of

	Psychiatry
	Dr. K. Sivakumar, Associate Professor of Medicine
	Dr. S. Jenitha, Associate Professor of OBG
	Dr. K. Hemalatha, Assistant Professor of Community Medicine

Roles and Responsibilities

1. Conducting training programmes on research to faculty, residents, research scholars, postgraduate and undergraduate students for pursuing research.
2. Analyzing, approving and forwarding research proposals submitted by students, research scholars and faculty members to IEC or IAEC.
3. Promoting faculty members, research scholars, postgraduate and undergraduate students to participate and present research observations in the national and international conferences/ seminars/ symposia/ CMEs etc.
4. Encouraging faculty members to pursue Ph.D in Medical and health sciences.
5. Motivating faculty members, research scholars, postgraduate and undergraduate students to publish research papers in peer reviewed research journals.
6. Screening publications for plagiarism using internet based anti-plagiarism software.
7. Maintaining archives of research publications from CMCH&RC.
8. Resolving conflicts with regards to research works and publications.

Recommendations made in the last IRC meeting

1. To upgrade research cell as department of research with its own faculty
2. To nominate members and decide on functional modalities in annual meeting
3. To sensitize and train MBBS students, CRRIs, MD students, Residents and Faculty members on research activities.
4. To develop a local chapter for National Programme for Technical enhanced learning (NPTEL) of ICMR
5. To motivate faculty members and students to enroll under NPTEL for online educational programmes conducted by ICMR.
6. To maintain achieves of project works and publications made out of the contributions by students, residents and faculty members.
7. To enhance intellectual sharing of faculty for CMEs/ Workshops/ Seminars/ Symposia/ Conferences organized by the research cell.
8. To request separate annual budget for institutional research.
9. To constitute an Intellectual property right (IPR) cell as a part of research cell.
10. To find out the requirements of infrastructure, emerging areas of research and methods to facilitate research.

11. To update the contributions made by faculty, residents and students for Scientific journals.

3.1.2 Does the institution have an institutional ethics committee to monitor matters related to the ethics of inclusion of humans and animals in research?

Yes.

- Institutional Ethics committee (IEC) functions independently and is not registered under CDSCO as clinical trials are not pursued.
- Decisions are communicated to research scholars and committee members.
- IEC meets once in three months and looks into the research proposals forwarded by the IRC.
- IEC also looks into various ethical issues related to patients, projects and publications.
- Communication, files and documents related to IEC are maintained at research cell. The details of the designations and members of the IEC are provided below.

Institutional Ethics committee (IEC)

Designation	Name and Affiliation
Chairperson	Dr. S. Dhanapal, Professor and Head, Government K.A.P. Viswanatham Medical College, Tiruchirapalli
Member Secretary	Dr. S.D. Nalinakumari, Professor and Head of Anatomy
Basic Scientist	Dr. R. Senthamarai, Professor and Principal, Periyar College of Pharmaceutical Sciences, Tiruchirapalli
Social Scientist	Dr. J. Josephine Jeba, Assistant Professor of Social Work, Holy Cross College, Tiruchirapalli
Legal Adviser	Lr. M. Krishnawamy, Advocate, No. 22, Ramalinga Nagar, Tiruchirapalli
Lay Person	Mr. G. Ramamoorthy, No. 7, Sella Tamil Nagar, Tollgate, Tiruchirapalli
Members	Dr. P. Thirumalaikolundu Subramanian, Professor of Medicine
	Dr. P. Revathi, Associate Professor of Pharmacology
	Dr. P.R. Prabu Elango, Professor and Head of Pediatrics
	Dr. A. Jesudoss, Professor and Head of ENT
	Dr. G. Vazhavandal, Associate Professor of

	Microbiology
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Details of meetings done and Number of project proposals approved (meeting wise)

Year	No. of meetings conducted	Date	Year wise total	No. of IEC certificates issued
2011	1	10.05.2011	39	39
2012	3	25.01.2012	105	56
		27.03.2012		11
		19.06.2012		38
2013	3	19.01.2013	90	8
		14.06.2013		35
		11.12.2013		47
2014	2	28.04.2014	97	45
		11.09.2014		52
2015	3	03.02.2015	168	33
		13.05.2015		57
		26.11.2015		78
2016	1	15.04.2016	30	30

Recommendations made in the last IEC meeting

1. On 15.04.2016, total of 31 research proposals were presented of which 26 proposals were approved and 3 proposals were approved with conditions.
2. The IEC made the following recommendation
 - a. Prior to sending the research proposal to IEC, it should be approved by research committee.
 - b. Faculty / students should present the proposal to IEC, along with the respective guide.
 - c. The principal investigator should presents the proposal.
 - d. The progress of the research should be regularly reviewed and monitored once IEC issues a certificate to proceed with the research.
 - e. In case of delay in completion extension of time should be sought and obtained from IEC.

Institutional Animal Ethics committee (IEAC)

- ✓ The Institutional Animal Ethics committee (IEAC) is formed as per the guidelines of Committee for the purpose of control and supervision of experiments on animals (CPCSEA)
- ✓ The department of Pharmacology maintains the records related to IEAC.
- ✓ Composition of IEAC

Designation	Name and Affiliation
Chairperson	Dr. Sukumaran Annamalai, Dean, Chennai Medical College Hospital and Research Centre, Tiruchirapalli
Member Secretary	Dr. K. Vasinthara, Professor and Head of Pharmacology, CMCH&RC, Tiruchirapalli
Scientist from different Biological Discipline	Dr. Nachal Annamalai, Professor and Head of Physiology, CMCH&RC, Tiruchirapalli
Scientist from different Biological Discipline	Dr. G. Vazhavandal, Associate Professor and Microbiology, CMCH&RC, Tiruchirapalli
Veterinarian	Dr. A. Jothiraj, Veterinary Medical Officer, CMCH&RC, Tiruchirapalli
Main nominee of CPCSEA	Dr. G. Vijayakumar, Professor and Head of Veterinary Medicine, VCRI, Namakkal
Link Nominee of CPCSEA	Dr. G. Shanthi, Professor of Microbiology, Raja Annamalai Muthaiah Medical College, Chidambaram
Scientist from outside the Institute, Nominee by CPCSEA	Dr. T. Ramanathan, Assistant Professor of Marine Biology, Annamalai University, Chidambaram
Socially Aware Nominee by CPCSEA	Dr. S. Bragadeeswaran, Assistant Professor of Marine Biology, Annamalai University, Chidambaram

Details of meetings and project proposals

Year	No. of meetings	Date	No. of IEAC certificates issued
2012	2	09.01.2012	-
		23.08.2012	1
2013	1	16.08.2013	3

2014	2	04.04.2014	-
		16.12.2014	-
2015	1	09.07.2015	17
2016	1	18.02.2016	-

Recommendations made in the last IAEC meeting

- ✓ The CPCSEA nominated new members who were invited for the meeting held on 18.02.2016.
- ✓ No protocol was presented on 18.02.2016 for approval of IEAC.

3.1.3 What is the policy of the university to promote research in its affiliated / constituent colleges?

- Faculty, postgraduates and undergraduate students are encouraged to take up research projects in the areas of their interest with guidance from senior faculty.
- Many departments have taken up departmental projects with the involvement of faculty and students.
- The institution provides laboratory and clinical facilities and past medical records.
- The institution provides chemicals, reagents instruments and kits needed for research.
- Faculty are given special leave and students are permitted to visit reputed institutions to work towards their research.
- Central library, department library and digital library facility provide ready access to information to researchers.
- ✓ The Tamilnadu Dr. M.G.R. Medical University, Chennai has permitted one faculty of IRB team to register for D.Sc programme.
- ✓ SRM University, Kattankulathur has approved Departments of Medicine, Anatomy, Physiology, Pharmacology and Microbiology for pursuing Ph.D. and many scholars are pursuing research in these departments.

3.1.4 What are the proactive mechanisms adopted by the institution to facilitate the smooth implementation of research schemes / projects?

Administration

- The institution has established an institutional research board and laboratory exclusively for research.
- The board motivates and guides students and faculty in research activities.
- It assists in interpretation of results and helps in research papers for publications.

Infrastructure

- The institution has provided ample space for stationing all the research personnel along with a central research laboratory.

- HPLC, PCR, UV spectrophotometer, Flame photometer, auto analyzer etc. are some of the advanced analytical tools available for research
- Computers and internet facility are available.
- Supporting staff are provided to help the researchers.

Externally funded projects (both government and private agencies)

- Some projects are funded by various agencies like ICMR, NACO, Himalayas etc.
- Chemicals/ kits, glassware, instruments, and stationery are provided.
- Freedom to the principal investigator/ coordinator for utilizing overhead charges.
- Timely release of grants and timely auditing
- Submission of utilization certificate to the funding authorities
- 58 research proposals have been submitted to ICMR, DST, DRDO and TNSCST

Any training given for writing proposals

1. Training is given to the UG students to write research proposals to the ICMR-STs.
2. Training is given to Postgraduate students of pre and para clinical departments on research methodology and preparation of research proposals.
3. Training is also given to Ph.D scholars and others if requested.

Institution sponsored projects

- ✓ Proportion of funds dedicated for research in the annual budget.
- ✓ The institution has annual budget for research and online journals for promoting research.
- ✓ Availability of funding for research /training/resources –The institution permits the use of the college resources for research purposes. The institution recognizes research achievements of the students and faculty members for honours and incentives.
- ✓ Availability of access to online data bases

3.1.5 How is multidisciplinary/ interdisciplinary/ trans-disciplinary research promoted within the institution?

- ✓ Interdepartmental research proposals are discussed in IRB
- ✓ collaboration with national/international institutes / industries
- ✓ Faculty involve in collaborative research with national and international institutes/ industries.
- ✓ IRB is the monitoring body for all types of research. Research proposals are submitted to IRB, which forwards it to IEC after scrutiny.

Research facilities on the campus

- A central research laboratory with basic and advanced instruments.
- Central clinical lab services (Biochemistry, Microbiology and Pathology).

- Departmental laboratories equipped with all basic medical sciences experiments.
- Central library with national and international journals, reference books, online access to literature.

3.1.6 Give details of workshops/ training programs/ sensitization programs conducted by the institution to promote a research culture in the institution.

Efforts are made to teach students, and faculty research methodology. Two national level research methodology workshops were conducted from 29th September to 1st October 2015 and 2nd to 4th February 2017.

3.1.7 How does the institution facilitate researchers of eminence to visit the campus? What is the impact of such efforts on the research activities of the institution?

Eminent faculty and researchers had visited the institution and delivered talks on advanced topics and held fruitful discussion with the faculty.

S. No.	Name of the Guest	Affiliation	Date of visit	Topic
1	Dr. S. Elango	Professor and Head of Community Medicine, Sri Muthukumaran Medical College, Chennai	26.11.2012	Filariasis
2	Dr. Innocent Onyesom	Associate Professor of Medical Biochemistry, School of Health Sciences, Delta State University, Abarka, Nigeria, West Africa	26.11.2012 and 27.11.2012	Biochemical markers in infections
3	Dr. Utpal S. Tatu	Professor of Biochemistry, Indian Institute of Science, Bangalore	26.11.2012 and 27.11.2012	Issues in malaria
4	Dr. S. Dhanapal	Professor of Microbiology, Government KAPV Medical College, Tiruchirapalli	27.11.2012	Microbial pathogenesis
5	Dr. LalithaPr	Chief Microbiologist, Aravind Medical	27.11.2012	Parasitic eye infections

	ajna	Research Foundation, Aravind Eye Hospitals, Madurai		
6	Dr. T.V. Rao	Professor of Microbiology, Travancore Medical College, Kollam, Kerala	16.03.201 3	Rationalism of antibiotic therapy
7	Dr. Sarada Sudhramania n	Addl. Professor of Neurochemistry, National Institute of Mental Health and Neurological Sciences, Bangalore	04.04.201 3	Management of Alzheimer's disease
8	Dr. A. V. Srinivasan	Emeritus Prof. of Neurology, The TN Dr. MGR Medical University, Chennai	04.04.201 3	Parkinson's disease
9	Dr. Usha Kant Mishra	Professor of Neurology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow	04.04.201 3	Nutrition and Neurology
10	Dr. R. Kumar	Professor of Psychiatry, Sri Manakula Vinayagar Medical College and Hospital, Puducherry	05.04.201 3	Strengthening of learning and memory and Focus on conversion & hypochondria
11	Dr. N. Rajendiran	Consultant Diabetologist, Apollo Hospitals, Chennai	21.06.201 3	Current management of diabetes
12	Dr. T. Geetha	Asst Prof. of Medicine, Coimbatore Medical College, Coimbatore	13.08.201 3	Therapeutic interventions of shock
13	Dr. K. Lakshmi	Assistant Professor of Microbiology, Government KAPV Medical College, Tiruchirapalli	13.08.201 3	Septic shock

14	Dr. T. Krishna murthy	Head of Plastic Surgery, Kavery Medical Centre, Tiruchirapalli	14.08.2013	Post burn surgical interventions
15	Dr. C.N. Srinivas	Head, Laboratory Medicine, MIOT International Hospital, Chennai	14.08.2013	End organ failure
16	Dr. D.T. Mourya,	Director, National Institute of Virology, Pune.	30.08.2013	Chikungunya
17	Dr. SP.S. Subrahmanian	Consultant Nephrologist, Sundaram Hospital, Trichy	30.08.2013	Viral nephropathy
18	Dr. Suniti Solomon	Director, YRG CARE, Chennai	30.08.2013	HIV-AIDS an update
19	Dr. ChitraAy yappan	Professor of Pediatrics, Madurai Medical College, Madurai.	31.08.2013	Pediatric research
20	Dr. Meenakshi-Sundaram	Consultant Neurologist, Apollo Speciality Hospital, Madurai.	31.08.2013	Neurological viral infections
21	Dr. Priya Abraham	Professor of Clinical Virology, Christian Medical College, Vellore	31.08.2013	Hepatitis and its types
22	Dr. D. Sasikumar	Department of Physiology, Government Siddha Medical College, Chennai	31.08.2013	Role of siddha medicine in viral diseases
23	Dr. Seemant hini Desai	CEO, Desai's Laboratory, Bangalore	31.08.2013	Viral diagnosis
24	Dr. A.	Emeritus Professor of	06.09.201	Bone pathology

	Krishna murthi	Anatomy, Annamalai University, Chidambaram	3	
25	Dr. ShamaSundar	Professor of Anatomy, JSS Medical College, Mysore	06.09.2013	Workshop on plastination
26	Dr. Krithiga Datta	Reader in Conservatory Dentistry, Meenakshi Amman Dental College, Chennai	07.09.2013	Oral pathology
27	Dr. T. Sivagami	Professor of Anatomy, Thanjavur Medical College, Thanjavur	07.09.2013	Anatomical regeneration
28	Dr. PriyaKannan	Assistant Professor of Medical Genetics, The Tamilnadu Dr. MGR Medical University, Chennai	07.09.2013	Assisted reproductive technology
29	Dr. Srilakshmi	Associate Professor of Medical Genetics, The Tamilnadu Dr. MGR Medical University, Chennai	07.09.2013	Clinical genetics
30	Dr. Debdatta Basu	Professor of Pathology, JIPMER, Puducherry	10.09.2013	Histopathology
31	Dr. Joy Augustine	Professor of Pathology, Government Medical College, Thrissur, Kerala	10.09.2013	Renal pathology
32	Dr. Hemalatha David	Senior Pediatrician, Trichy	10.09.2013	Pediatric infections
33	Dr. Prasanna N. Kumar	Professor of Pathology, Coimbatore Medical College, Coimbatore	10.09.2013	Diagnosis of leukemia
34	Dr. N.S. Kannan	Professor of Surgery, Mahatma Gandhi Medical College,	29.03.2014	Operation theater – a basic architecture

		Puducherry		
35	Dr. J. Jayalakshmi	Prof. of Microbiology, PSG Institute of Medical Sciences, Coimbatore	29.04.2014	Microbiological surveillance of Operation theater
36	Dr. John P. Victor	Associate Professor of Internal Medicine, Christian Medical College, Vellore	04.07.2014	Association of heat shock protein polymorphs and ICU outcome
37	Dr. Satish Kumar	Associate Director, SAATHII, New Delhi	22.07.2014	National AIDS control programme
38	Dr. A.S. Valan	Regional Coordinator, National AIDS control organization (NACO), New Delhi	22.07.2014	AIDS - ART and prevention of parent to child transmission
39	Dr. M. Chenniappan	Adjunct Professor of Cardiology, The Tamilnadu Dr. MGR Medical University, Chennai.	10.09.2014	Cardiac markers
40	Dr. K.S. Ratnakar	Chief Lab Medicine, Global Medical Education Research Foundation, Global Hospitals, Hyderabad	14.08.2014	Recent updates in ocular pathology
41	Dr. Shanthi	Head, Ocular Pathology Lab, Aravind Eye Hospital, Madurai	14.08.2014	The precious eyeball grossing and processing
42	Dr. Balasubramanian	Consultant Psychiatrist, Saravana Hospital, Trichy	17.09.2014	Somatization disorder
43	Dr. Arun Kumar	Consultant Psychiatrist, Athama Hospital and Research Centre, Trichy	17.09.2014	Somatoform disorder
44	Dr.	Associate Professor of	17.09.2014	Differential

	Nirmal	Psychiatry, Dhanalakshmi Srinivasan Medical College, Perambalur	4	diagnosis of medically unexplained syndrome
45	Dr. Jawahar Nagasundaram	Consultant ENT surgeon, GVN Hospital, Trichy	18.09.2014	Laryngology on voice disorders
46	Dr. P. Vijayanand	Consultant in Pain management, Sunshine Hospital, Hyderabad	24.09.2014	Recent advances in pain management
47	Dr. P. Angayarkanni	Professor of PBG, Madurai Medical College, Madurai	26.09.2014	Sepsis in OBG
48	Dr. V. Balaji	Professor of Microbiology, Christian Medical College, Vellore	26.09.2014	Diagnosis of sepsis
49	Dr. Uma Sekhar	Professor of Microbiology, Sri Ramachandra Medical College, Chennai	26.09.2014	Infection control policies in sepsis
50	Dr. Nafeesa Iqbal	Prof. of Pharmacology, SRM Dental College, SRM University, Chennai	26.09.2014	Challenges in antimicrobial resistance
51	Dr. S. Senthil Kumar	Consultant and Head of Emergency and Critical care, Sri Gokulam Hospital, Salem	26.09.2014	Therapeutic approaches to sepsis
52	Dr. R. Babu Rajendran	Prof. of Environmental Biotechnology, Bharathidasan University, Trichy	30.10.2014	Pharmaceutical and personal care products
53	Dr. B. Parimala Devi	Professor of Pharmacy, Periyar Maniammai University, Thanjavur	30.10.2014	Guidelines - pharmaceutical waste disposal
54	Dr. S. Kavimani	Professor of Pharmacology, Mother Teresa PG and	30.10.2014	Management of pharmaceutical wastes

		Research Institute of Health Sciences, Puducherry		
55	Dr. R. R. Rajendran	Professor of Pediatrics, Dhanalakshmi Srinivasan Medical College, Perambalur	10.09.2015	Approach to bleeding in older children
56	Dr. S. Yogananth	President, State Indian Association of Pediatrics, Tamilnadu Chapter	10.09.2015	Epidemiology of coagulation disorders
57	Dr. M.A. Akbarsha	Professor and Director, Mahatma Gandhi Doerenkampcentre, Bharathidasan University, Trichy	29.09.2015	Alternative for animal experimentation
58	Dr. R. Raveendran	Professor of Pharmacology, Jawaharlal Institute of Postgraduate Medical Education and Research, Puducherry	29.09.2015	Research – an overview
59	Dr. R. Prabu	Scientist C, National Institute of Epidemiology (ICMR), Chennai	29.09.2015	Epidemiological Research
60	Dr. D. Dhanasekaran	Assistant Professor of Microbiology, Bharathidasan University, Trichy	31.09.2015	Documentation of research
61	Dr. KM. Ramkumar	Assistant Professor, SRM University, Kattankulathur	31.09.2015	Sampling size techniques
62	Dr. Sundara Balaji	Assistant Professor, Department of Bioinformatics, Bharathiar University, Coimbatore	31.09.2015	Applications of Bioinformatics in Research
63	Dr. John Britto	St. Joseph College, Trichy	01.10.2015	Project report preparation

64	Dr. R. Vijayarahavan	Professor of Biostatistics, Bharathiar University, Coimbatore	01.10.2015	Data management using SPSS
65	Dr. S. Pandi	Assistant Professor of Community Medicine, Madurai Medical College, Madurai	01.10.2015	Data management using SPSS
66	Dr. K. Prem Kumar	Assistant Professor of Biomedical Sciences, Bharathidasan University, Trichy	01.10.2015	Drafting research articles
67	Dr. ArunSeshachalam	Director, Comprehensive Cancer Care Network, Tiruchirapalli	19.11.2015	Cancer research
68	Dr. G. Govindaraj	Surgical Oncologist, Harshamitra Cancer Research Institute, Trichy	19.11.2015	Oncology
69	Dr. G. Senthil Kumar	Surgical Oncologist, GVN Cancer Institute, Trichy	19.11.2015	Surgical management of Gastro intestinal cancer
70	Dr. K.K. Kolandai samy	Director of Public Health & Preventive Medicine, Government of Tamilnadu	16.02.2016	Polio eradication – milestones crossed
71	Dr. Sambath	Deputy Director of Health Services, Perambalur District	16.02.2016	Micro planning of polio in PHCs
72	Dr. Santhosh Rajagopal	Surveillance Medical Officer, NPSU, WHO	16.02.2016	Current scenario of polio global
73	Dr. T. Senthil Kumar	Sr. Consultant and Chief Cardio Thoracic Surgeon, Apollo Speciality Hospital, Tiruchirapalli	23.03.2016	Managing Acute thoracic injuries

74	Dr. SubbiahThiruppathy	Consultant Neurosurgeon, ABC Hospitals, Tiruchirapalli	24.03.2016	Managing acute head injuries
75	Dr. Lakshmi Murali	Jt Director, Medical & Rural Health Services– TB (i/c); State Tuberculosis Officer, Government of Tamilnadu	31.03.2016	Role of Medical Colleges in control of TB
76	Dr. M.R. SriramGopal	Consultant Vitreo Retinal Surgeon, Athreya Retinal Centre, Trichy	31.03.2016	Visual Electro-physiological testing
77	Dr. Vaanila	Professor of Ophthalmology, Joseph Eye Hospital, Trichy	31.03.2016	Strabismus
78	Dr. U. VijayaShanmugam	Professor of Ophthalmology, Govt. KAPV Medical College, Trichy	31.03.2016	Visual pathway – lesions and filed defects
79	Dr. G. Savithri	Deputy Director (TB) & District Tuberculosis Officer, Tiruchirapalli	31.03.2016	About TB Control programme
80	Dr. Vijayaraghavan	Consultant Ophthalmologist, Arasan Eye hospital, Erode	31.03.2016	Managing Ophthalmic injuries
81	Dr. Ramanan Srinivasan	Director, Medall Healthcare Pvt Ltd., Tirunelveli	02.04.2016	Musculoskeletal Imaging
82	Dr. BN. Upendra	JISAR, Bengaluru	02.04.2016	Management of Scoliosis
83	Dr. P.A. Kumar	Professor of Anatomy, PSG Institute of Medical Sciences, Coimbatore	02.04.2016	Ultrasonographic anatomy – an overview
84	Dr.	Consultant Radiologist,	02.04.2016	Ultrasound

	Malathy Gopal	Magnum Imaging, Tiruchirapalli	6	guided fetal interventions
85	Dr. J. Mary Varunya	Consultant Radiologist, Mythili Hospitals, Sular, Andhrapradesh	02.04.2016	Ultra sonographic imaging in emergencies
86	Dr. A. Rajamani	Spine Surgeon, Madurai	02.04.2016	Decision making- Dorso lumbar injury management
87	Dr. R. Sivakumar	Department of Orthopedics, Madurai Medical College, Madurai	02.04.2016	Management of TB spine
88	Dr. A. PannerSelvam	Managing trustee, Aruna Diabetes Research Foundation, Chennai	07.04.2016	Epidemiology & management of Diabetes mellitus
89	Dr. M. Shunmugavelu	Trichy Diabetes specialitycentre, Trichy	07.04.2016	A diabetic dyslipidemia
90	Dr. K. Appaji Krishnan	SIMS Hospital, Chennai	23.04.2016	Management of vertebral tumours
91	Dr. Balavenkata Subramanian	Chief Anesthetist, Ganga Hospitals, Coimbatore	23.04.2016	Ultrasound guided nerve block
92	Dr. Bharathkumar	G. Viswanatham Hospital, trichy	23.04.2016	Management of cervical disc prolapse
93	Dr. M. GulamMohaideen	Department of Orthopedics, Tanjore Medical College, Trichy	23.04.2016	Management of cervical spine injury
94	Dr. S. Jailash	ATLAS hospital, Trichy	23.04.2016	Management of Spondylolisthesis

95	Dr. S. Karunakaran	Department of Orthopedics, Madras Medical College, Chennai	23.04.2016	Deformity correction of adult spine
96	Dr. Dhinakaran	Madurai Kidney Centre		CKD
97	Dr. Jones	Professor and Head Vinayaka Mission University Salem		CKD
98	Dr. S. Senthilku maran	Chief Medical Officer, Well care Hospital, Erode	02.02.2017	Why Research & Selection of Research Question
99	Dr. Natesh	Assistant Professor Dhanalakshmi Srinivasan medical College Hospital, Perambalur	02.02.2017	Ethics in Research
100	Dr. P. Ganesh Kumar	Scientist C National Institute of Epidemiology, Chennai	02.02.2017	Epidemiological Research
101	Dr. M. Anbarasi	Associate Professor Physiology, Dhanalakshmi Srinivasan medical College Hospital, Perambalur	02.02.2017	Review of Literature and its management
102	Mr. Mani	Biostatistician Bangalur	03.02.2017	Basics in biostatistics and Hands on training
103	Dr. T. Vijaya kirubha	Professor and Head, Department of Pharmacognosy, Trichy	04.02.2017	Clinical Trials
104	Dr. Suzanne	Professor and Head, Department of	04.02.2017	Needs for

	Maria D'cruz	Physiology, Sri Muthukumaran Medical College, Chennai	7	publication
105	Dr. D. Thangam	Professor of Geriatrics Madras Medical College, Chennai	17.03.17	Management of Aging
106	Dr. K. Ramadesigan	Professor & Head Department of Biochemistry, Madras Medical College, Chennai	31.03.17	Pre Analytical Variables

3.1.8 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

S. No	Expenditure	Allocation (Rs)
1	Salary	10,00,000
2	Faculty Project	10,00,000
3	Students Project	2,00,000
4	Equipments	10,00,000
5	Consumables	3,00,000
6	Miscellaneous	1,86,000
Total		36,86,000

3.1.9 In its budget, do the university earmark funds for promoting research in its affiliated colleges?

Not Applicable

3.1.10 Does the institution encourage research by awarding Postdoctoral Fellowships/Research Associateship? If yes, provide details like number of students registered, funding by the institution and other sources

A research faculty Dr. N. Prabhusaran has registered for D.Sc. in Dr. MGR Medical University and the institution has provided all facilities to him for the research.

3.1.11 What percentages of faculty has utilized facilities like sabbatical leave for pursuit of higher research in premier institutions within the country and abroad?

Six faculties has utilized the sabbatical leave for pursuit their higher research and education in India and abroad.

3.1.12 Provide details of national and international conferences organized by the institution highlighting the names of eminent scientists/scholars who participated in these events.

S. No.	Program	Date(s)	Organizing Dept.	Credit point & category	Eminent Scientist participated
Conferences					
1	Third State Conference of IADVL – Tamilnadu branch	13 th and 14 th October 2012	Dermatology and MEU	20 under category II	Dr. Patrick Yesudian (Dermatologist)
Symposium					
2	National Symposium on Emerging and Re-emerging viral infections	30 th and 31 st August 2013	Microbiology, HSR, MEU	15 under category II	Dr. Mourya (National Institute of Virology, Pune)
Workshops					
3	Lecture workshop on Need of Understanding the Neglected tropical diseases	26 th and 27 th Nov 2012	Microbiology and Health Science Research (HSR)	20 under category III	Dr. Utpal S. Tatu (Indian Institute of Science, Bengaluru)
4	Lecture workshop on Neuropsychiatry diseases	4 th and 5 th April 2013	Biochemistry, HSR, Medical Education Unit (MEU)	15 under category II	Dr. Usha Kant Mishra (SG PG Institute of Medical Sciences, Lucknow)
5	Workshop on Research Methodology	29 th September to 1 st Oct.	Research Cell and MEU	30 under category III	Dr.M.A. Akbarsha (Bharathidasan University,

					Trichy)
6	Workshop on Research Methodology	2 nd to 4 th February 2017	IRB and MEU	30 under category III	Dr. P. Ganeshkumar Scientist – C NIE
CMEs					
7	Diabetes update	21 st June 2013	Biochemistry, HSR, MEU	10 under category II	Dr. N. Rajendran (Madras Medical College, Chennai)
8	Expanding Frontiers in Anatomy Workshop on Plastination	6 th and 7 th September 2013	Anatomy, HSR and MEU	20 under category II	Dr. A. Krishnamurti (Annamalai University)
9	HematoPathology	10 th September 2013	Pathology, Health Science Research and MEU	10 under category II	Dr. DebdattaBasu, JIPMER, Puducherry
10	Operation Theatre Sterilization and Disinfection	29 th March 2014	Microbiology	5 under category II	Dr. N.S. Kannan, Mahatma Gandhi Medical College, Puducherry
11	Heat Shock proteins and Antimicrobial Resistance	4 th July 2014	Microbiology	5 under category II	Dr. John Victor Peter, Christian Medical College, Vellore
12	HIV Care	22 nd July 2014	Skin and STD	10 under category II	Dr. Sathish Kumar, SAATHI
13	Ocular Pathology	14 th August 2014	Pathology	10 under category II	Dr. K.S. Ratnakar, Hyderabad
14	Somatoform Disorder	17 th September 2014	Psychiatry, HSR and MEU	10 under category II	Dr. R. Kumar, Madras Medical College, Chennai
15	Voice disorder	18 th Sept. 2014	ENT, HSR and MEU	10 under category II	Dr. J.Nagasundaram, Trichy

16	Sepsis – a global killer	26 th September 2014	Microbiology, HSR and MEU	10 under category II	Dr. Uma Sekhar, Sri Ramachandra Med. College, Chennai
17	Cardiac illness	10 th Sept 2014	Medicine, HSR and MEU	10 under category II	-
18	Basics in Dermatology	17 th September 2014	Skin and STD, HSR and MEU	10 under category II	Dr. Manoharan, Chennai and Dr. Narmada, Trichy
19	Pharmaceutical Waste Management	30 th October 2014	Pharmacology, HSR & MEU	10 under category II	Dr. BabuRajendran, Bharathidasan University, Trichy
20	Cancer update	19 th November 2015	Biochemistry, Research cell and MEU	5 under category II	Dr. G. Govindaraj, Trichy
21	OSPE	6 th January 2016	Medical Education Unit	10 under category II	-
22	Polio the way forward	16 th February 2016	Community Medicine and MEU	10 under category II	Dr. K.K. Kolandaisamy, DPH, Govt. of TN
23	capsules on Managing Trauma	21 st to 24 th March 2016	Anatomy, Research Cell and MEU	15 under category II	Dr. Gopinath (Erode); Dr. P. Senthilkumar (Trichy); Dr. G. Mukesh Mohan (Trichy); Dr. Vijayaraghavan (Coimbatore) and Dr. Subbiah (Trichy)
24	Visual Neurophysiology	31 st March 2016	Physiology, Ophthalmology, Research Cell and MEU	10 under category II	Dr. V.M. Loganathan, Joseph Eye Hospital, Trichy
25	Spectrum of Ultrasonographic Anatomy –	2 nd April 2016	Anatomy, Research Cell	10 under category II	Dr. P.A. Kumar, PSG, Coimbatore

	a diagnostic and therapeutic approach		and MEU		
26	Diabetes – a global emergency	7 th April 2016	Community Medicine, Medicine & MEU	10 under category II	Dr. Anil Jacob Purti, puducherry
27	Spine	23.04.2016	Orthopedics and MEU	10 under category II	Dr. M. Mohideen, Thanjavur
28	CKD	19.09.2016	Biochemistry & Nephrology	10 under category II	
29	RACE	10.11.2016	Radiology & Anatomy	20 under category III	Dr. Vinayagam Professor & Head Department of Radiology, SRMU
30	CME on Biology of Aging and care of Elderly	19.03.2017	Biochemistry & MEU	10 under category III	Dr. D. Thangam, Madras Medical College
31	Workshop on Quality Assurance in Clinical Laboratory Services	31 st March 2017	Biochemistry & MEU	10 Under Category III	Dr. V.K. Rama Desigan, Madras Medical College
Academic Carnival					
32	Academic Carnival on Shock	13 th and 14 th August 2013	Forensic Medicine, Microbiology, Pathology and Pharmacology	10 under category II	Dr. C.N. Srnivas, Chennai Dr. Krishnamurthi, Trichy
Total credit points received					390

3.1.13 Mention the initiatives of the institution to facilitate a research culture in the below mentioned areas:

Training in research methodology, research ethics and biostatistics.

An exclusive research methodology national level workshop was organized from 30th September to 1st October 2015 in which 45 delegates from different parts of the country participated.

Development of scientific temperament

- ✓ Educational and training programs are conducted on different topics related to research.
- ✓ Presence of Medical / Bio Ethics Committee, IEC medical committees of pharmacovigilance, infection control, medical audit and transfusion develop scientific temper in the institution.
- ✓ Research linkages with other institutions, universities and centers of excellence.

Local bodies/ Community

- ✓ Department of Skin and STD collaborates with District AIDS control and prevention (TANSACS), for HIV testing and ART recommendations.
- ✓ Department of Microbiology collaborates with the Department of Microbiology, Government K.A.P.V. Medical College, Tiruchirapalli for leptospirosis and brucellosis serology confirmation.
- ✓ Department of OBG collaborates with the Department of Microbiology, Bharathidasan University for PCR analysis for clinically confirmed human papilloma virus (HPV).
- ✓ Department of Pathology and Microbiology collaborates with Harshamitra cancer research institute in oncology research.

State level

- ✓ Department of Microbiology with the Sankara Nethralaya, Chennai for External quality assurance system (EQAS) certification.
- ✓ The IRB and Department of Microbiology with the Central Instrumentation facility of PSG College of Technology, Coimbatore for bio-nano particles measurement.
- ✓ Department of Microbiology with Aravind Eye Hospital, Madurai for molecular analysis (PCR) of methicillin resistant *Staphylococcus aureus* (MRSA)

National level

- ✓ Department of Skin and STD with national leprosy control programme (NLCP), New Delhi for leprosy screening, and treatment.
- ✓ Department of Microbiology with the Department of Microbiology, Maulana Azad Medical College, New Delhi for *Staphylococcus* phage typing.
- ✓ Department of Microbiology with the Department of Microbiology, Lady Hardinge Medical College, New Delhi for *Salmonella* phage typing.

- ✓ Department of Microbiology with the Regional Medical Research Centre, Port Blair, Andaman and Nicobar islands for leptospiral serovar confirmation by cross adsorption agglutination test (CAAT).
- ✓ Research programs in Basic Sciences, Clinical, Operational Research, Epidemiology, Health Economics, etc.

Field	Projects	
	Completed	Ongoing
Basic Science	162	233
Clinical Research	69	
Epidemiology	36	
Toxicology	30	
Emergency Medicine	72	

Prioritized research areas and the expertise available with the institution

UG students are motivated to participate in ICMR – STS and institutional research. Training is given to prepare research protocols, proposals, and modalities of getting IEC; Laboratory and field oriented sample analysis, statistical analysis of results interpretation, writing research papers and publications are some areas of training.

Publication-based promotion/incentives - Yes

Providing travel grant for attending national/international conference and workshops- Yes

3.1.14 Does the institution facilitate R&D for capacity building and analytical skills in product development like diagnostic kits, biomedical products, etc. for the national/international market

No

Development of entrepreneur skills in health care - Yes

Taking leadership role for stem cell research, organ transplantation and harvesting, Biotechnology, Medical Informatics, Genomics, Proteomics, Cellular and Molecular Biology, Nanoscience, etc. Nanoscience research is pursued by Dr. N. Prabhusaran, Associate Professor of Research and Microbiology in association with SASTRA University, Thanjavur and 5 research papers have been published..

3.1.15 Are students encouraged to conduct any experimental research in Yoga and / or Naturopathy?

Students are encouraged to take up research studies on yoga.

3.2 Resource Mobilization for Research

3.2.1 How many departments of the institution have been recognized for their research activities by national / international agencies (ICMR, DST, DBT, WHO, UNESCO, AYUSH, CSIR, AICTE, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

ICMR recognized all teaching departments for short term studentships (STS). The department wise ICMR – STS is furnished below.

S. No.	Name of the Department	Number of students got selected for ICMR-STS projects						
		2011	2012	2013	2014	2015	2016	Total
1	Anatomy	-	1	4	4	-	1	10
2	Anesthesiology & Critical care	-	1	-	-	-	-	1
3	Biochemistry	1	3	-	-	2	-	6
4	Community Medicine	-	1	1	1	2	2	7
5	ENT	-	-	1	-	-	1	2
6	Forensic Medicine	-	-	-	2	-	-	2
7	Medicine	1	3	1	3	-	-	8
8	Microbiology	4	6	2	-	2	1	15
9	Ophthalmology	-	-	3	1	-	-	4
10	Pathology	-	1	-	-	1	1	3
11	Pediatrics	-	1	-	-	-	-	1
12	Pharmacology	3	-	1	-	-	-	4
13	Physiology	1	1	3	5	-	-	10
14	Psychiatry	-	-	1	1	-	-	2
15	Skin & STD	-	1	-	-	-	-	1

16	Surgery	-	1	-	1	-	-	2
Total		10	20	17	18	7	6	78

3.2.2 Provide the following details of ongoing research projects of faculty

Nil

3.2.3 Does the institution have an Intellectual Property Rights (IPR) Cell?

Yes, the composition of the Intellectual property right (IPR) cell of the institution is given below.

S. No	Name	Capacity	Designation and Department
1	Dr.Sukumaran Annamalai	Chairperson	Dean,
2	Dr. Gurudatta S. Pawar	Vice Chairperson	Vice Principal,
3	Dr.P.Thirumalaikolundu Subramanian	Member Secretary	Professor of Medicine & Head IRB
4	Dr. N. Prabhusaran	Coordinator	Asso. Prof. of Research & Microbiologist
5	Mr. M. Ismail	Member 1(internal)	Prof. of Research & Medical Entomologist
6	Dr. T.S. Gugapriya	Member 2(internal)	Associate Professor of Anatomy
7	Dr. M. Muhil	Member 3(internal)	Associate Professor of Physiology
8	Dr. S. PriyaBanthavi	Member 4(internal)	Associate Professor of Pathology
9	Dr. P. Revathi	Member 5(internal)	Associate Professor of Pharmacology
10	Dr. K. Sivakumar	Member 7(internal)	Associate Professor of Medicine
11	Ms. S. Umarani	Member 8(internal)	Biomedical Engineer

1 2	Mr. Krishnasamy	Member 1(external)	Legal Adviser
1 3	Mr. N. Senthilkumar	Member 2 (external)	Asst. Prof of Mech. Engg, TRP Engg. College
1 4	Dr. Sankar	Member 3 (external)	Asst. Prof of Chemistry, TRP Engg. College
1 5	Mr. JawaharBabu	Member 4 (external)	Asst. Prof of EEE, TRP Engg. College
1 6	Mr. Kathirvelan, Salem	Member 5 (external)	Layman/ Community representative

Functional modalities of IPR cell

The cell functions autonomously from the premises of IRB.

1. Monthly meetings are held on the fourth working day of every month for IPR related issues.
2. The IPR cell acts as the interface between the Principal investigator (PI) and the Patent/ copyright attorney.
3. Procedure for processing the proposed patent is clearly in place.
4. IPR awareness Workshops/ Conferences/ Short term Courses are organized annually.
5. External research scholars should get no objection from IPR cell for processing their patents.

3.2.4 Has the institution taken any special efforts to encourage its faculty to file for patents?

Yes, the institution has been constituted IRB and IPR for the purpose.

3.2.5 Does the institution have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

Year	Department	Number	Name of the project	Name of the funding agency	Total grant received
2011	Microbiology	1	Laboratory standardization	Himalaya's Herbal care	89,000/-

3.2.6 List details of Research projects completed and grants received during the last four years (funded by National/International agencies).

Project	Year	Number	Grant received	Funding agency
Short term studentships	2013	17	1,70,000/-	Indian Council Medical Research (ICMR)
	2014	18	1,80,000/-	
	2015	7	70,000/-	
	2016	6	60,000/-	

Inter-institutional collaborative projects and grants received

- ✓ National collaborations: Nil
- ✓ International collaborations: Nil

3.2.7 What are the financial provisions made in the institution budget for supporting students' research projects?

Rs. 10,000 per Student is sanctioned for project in the academic year 2016 – 17 for carrying out under graduate and Post graduate students in-house projects.

3.3 Research Facilities

3.3.1 What efforts have been made by the institution to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

The institution has established a research board, and recruited researchers only for research. The research board motivates and helps the faculty to pursue research actively by various efforts.

3.3.2 Does the institution have an Advanced Central Research facility? If yes, have the facilities been made available to research scholars? What is the funding allocated to the facility?

Yes, the institution has established a separate Central research laboratory and is located in the III floor, College block. Exclusive research faculty has been appointed to conduct, support and manage research activities at inter departmental and inter institutional levels.

3.3.3 Does the institution have a Drug Information Centre to cater to the needs of researchers? If yes, provide details of the facility.

Yes, The Drug Information centre is maintained by the Department of Pharmacology.

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

Yes

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

NPTEL – Online course on Health research fundamentals

The IRB acts as local chapter and single point of contact (SPOC) for the national program of technology enhanced learning (NPTEL) of ICMR - Indian Institute of Technology, Madras (IITM). In online courses on Health research fundamentals of NPTEL 114 students and faculty had passed.

3.3.6 Clinical trials and research

Are all the clinical trials registered with CTRI (Clinical Trials Research of India)?

Not permitted to carry out clinical trials.

List a few major clinical trials conducted with their outcomes. -Nil

3.4 Research Publications and Awards

3.4.1 Does the institution publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

No

3.4.2 Give details of publications by the faculty and students. Number of papers published in peer reviewed journals (national/international)

Department wise Publications based on first author (2008 –27th June 2016)

S. No	Department	Number of Research Articles published by Faculty and students									Total
		2008	2009	2010	2011	2012	2013	2014	2015	2016	
1	Anatomy	-	-	-	-	4	2	8	7	4	25
2	Anesthesia and Critical care	-	-	-	1	-	3	5	3	-	12

3	Biochemistry	-	-	-	-	-	2	2	3	3	10
4	Community Medicine	-	-	-	-	4	1	-	-	2	7
5	Dentistry	1	-	-	-	-	1	6	1	-	9
6	ENT	-	-	-	-	-	-	-	-	2	2
7	Forensic Medicine	-	1	1	3	5	1	-	1	-	12
8	Library & Information Sciences	-	-	-	-	-	-	1	1	1	3
9	Medicine	-	-	6	13	21	19	26	16	5	106
10	Microbiology	-	-	-	-	3	12	22	22	14	73
11	Obstetrics and Gynecology	-	-	-	-	-	1	4	2	-	7
12	Ophthalmology	-	-	-	-	-	2	-	-	-	2
13	Pathology	-	-	-	-	-	-	-	4	1	5
14	Pediatrics	-	-	-	-	-	2	-	1	2	5
15	Pharmacology	-	-	1	2	-	5	10	16	3	37
15	Physical Education	-	-	-	-	-	-	-	1	4	5
16	Physiology	-	1	-	3	1	4	16	18	12	55
17	Psychiatry	-	-	-	-	-	-	2	-	1	3
17	Radiodiagnosis	-	-	-	-	-	-	-	3	-	3

18	Skin and STD	-	-	-	-	-	-	6	1	2	9
19	Surgery	-	-	6	-	1	-	2	3	1	13
Total		1	2	14	22	39	55	110	103	57	403

* Monographs - Nil

* Chapters in Books – Nil

* Books - Three

* Books with ISBN with details of publishers

S. No.	Title of the book	Author(s)	Edition and year	Publisher	ISBN No.
1	Clinical pathways in Emergency Medicine – Approach to Acute poisoning	S. Senthilkumaran and Thirumalaikolundusubramanian P.	2016	Springer India	9788132227113
2	Heart and Toxins	Meenakshisundaram R and Thirumalaikolundusubramanian P.	2014	Academic Press	9780124165953
3	Review of genetics for PGME	Dr. S. Senthilkumaran	2010	Jaypee publisher	9788184487893

Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, EBSCO host, Google scholar, etc.) – **352**

- * Citation Index – range / average - Range: 25 – 45; average: 35
- * Impact Factor – range / average - Range: 0.288 – 7.38; average – 3.978
- * Source Normalized Impact per Paper (SNIP) – 1.179
- * SCI Journal Rank (SJR) – 8.764
- * h-index – 7.38

3.4.3 Does the institution publish any reports/compilations/clinical round-ups as a part of clinical research to enrich knowledge, skills and attitudes?

The institution conducted two national level workshops in 2015 – 16 and 2016 – 2017 and brought out programme reports.

Details

3.4.4 Give details of Faculty serving on the editorial boards of national and international journals

Name of the faculty	Journal	Editorial designation
Dr. kalavathy Ponniraivan	Indian Journal of Pharmacy and Pharmaceutical sciences	Editorial Board Member
Dr. P. Thirumalai Kolundusubramanian	Indian Journal of Toxicology	Editorial Board Member
	The Tamilnadu Dr. M.G.R. Medical University Journal of Medicine and Medical specialities	Associate Editor and Copy Editor
Dr. A. Uma	The Tamilnadu Dr. M.G.R. Medical University Journal of Medicine and Medical specialities	Copy Editor
Dr. Gurudatta S. Pawar	Journal of Karnataka Medico Legal Society	Editor
	Journal of DY Patil Medical College	Editor
Dr. N. Prabhusaran	Malaysian Journal of Medical and Biological Research	Consulting Editor
	International Journal of HIV/ AIDS and Research (IJHR)	Editorial Board Member
	International Journal of Health and Pharmaceutical Research (IJHPR)	Associate Editor
Dr. M. Rajajeyakumar	MOJ Anatomy & Physiology	Associate Editor
	International Journal of Health Sciences and Research	Editorial Board Member
	International Journal of Interdisciplinary and Multidisciplinary Studies	
	Journal of Bioengineering and Biomedical Sciences	
	Journal of Psychology & Psychotherapy	
	International Ayurvedic Medical	

		Journal	
		International Journal of Integrated Medical Research	
		International Archives of Integrated Medicine	
		Journal of Aging Science	Editorial Board Member
		Journal of Homeopathy & Ayurvedic Medicine	
		Journal of Alternative & Integrative Medicine	
Dr. Rajajeyakumar M.		Biochemistry & Physiology: Open Access	Editorial Board Member
		Journal of Obesity and Weight Loss Therapy	
		Advances in Weight Loss Management & Medical Devices journal	
		Edelweiss Neurorehabilitation: Open Access	
		Journal of Community Medicine & Health Education	
		Yoga and Nature Therapy	
		Advances in Biochemistry and Biotechnology	
		Journal of Psychiatry and Cognitive behavior	

Faculty serving as members of steering committees of national and international conferences recognized by reputed organizations / societies
- Nil

3.4. 5 Research awards received by the faculty and students

Name of the faculty	Name of the Award	Awarding organization	Year
Dr. N. Prabhusaran	Excellence in Microbiology	Indian Health Professional Awards	2016

Dr. Prabhusaran N.	Emerging Medical Speaker of the year	Indian Health Professional Awards	2017
Dr. Manivannan L.	Excellence in Yoga and Naturopathy	Indian Health Professional Awards	2017
Dr. Prabhusaran N.	International AUFAU Young Scientist Award	AUFAU International periodicals, Germany	2016
Dr. Prabhusaran N.	Dr. APJ Abdul Kalam memorial Award for Teaching excellence	Marina Labs	2016
Dr. Prabhusaran N.	Emerging medical speaker of the year 2016	Indian Health Professional Association	2016

National and international recognition received by the faculty from reputed professional bodies and agencies

Name of the faculty	Designation & Department	Name of the Award	Awarding organization	Year
Dr. Muthukumar K.	Professor Pediatrics	Active Pediatrician Award	IPA	1999
Dr. A. Jesudoss	Professor ENT	Doctors day award	Indian Medical Association – Thanjavur	2003
Dr. S. Elango	Professor Community Medicine	Sathanaiyalar Award	GnanaPeedaIlakiaPeravai, Madurai	2003
Dr. A. Jesudoss	Professor ENT	State Doctors day award	Indian Medical Association – Tamilnadu	2006
Dr. S. Elango	Professor	National	Federation	2009

	Community Medicine	Leadership Award	of Indian Chambers of Commerce and Industry (FICCI)	
Dr. S. Elango	Professor Community Medicine	Life time achievement award	Government of Tamilnadu	2010
Dr. S. Elango	Professor Community Medicine	Friend of polio eradication	Rotary club, Chennai	2010
Dr. P. ThirumalaiKolundusubramanian	Professor Medicine	Best teacher Award	The TN Dr. MGR Medical University , Chennai	2010
Dr. SD. NalinaKumari	Professor Anatomy	Meritorious Service Award	Kerala Chapter of Anatomical Society of India	2010
Dr. SD. NalinaKumari	Professor Anatomy	Life Time Achievement Award	Government of Kerala	2010
Dr. KalavathyPonniraiyan	Professor Biochemistry	Best teacher Award	The TN Dr. MGR Medical University , Chennai	2011
Dr. Navaneethan	Professor Orthopedics	Best teacher Award	The TN Dr. MGR Medical University , Chennai	2011
Dr. Kalavathy Ponniraiyan	Professor Biochemistry	Life Time Achievement Award	The TN Dr. MGR Medical University	2012

			, Chennai	
Dr. A. Uma	Professor Microbiology	Best teacher Award	The TN Dr. MGR Medical University , Chennai	2012
Dr. S. Elango	Professor Community Medicine	Best Teacher Award	The TN Dr. MGR Medical University , Chennai	2012
Dr. RM. Natarajan	Professor General Surgery	Best teacher Award	The TN Dr. MGR Medical University , Chennai	2012
Dr. Vijayakumar	Professor Anesthesiology	Excellency in Anesthesia	The TN Dr. MGR Medical University , Chennai	2012
Dr. Raja Manoharan	Professor Anesthesiology	Life Time Achievement Award	Indian Society of Anesthesia, TN State chapter	2012
Dr. PR. PrabuElango	Professor Pediatrics	Honorary Professor of Pediatrics	IMA college of General Practitioners	2012
Dr. P. ThirumalaiKolundusubramanian	Professor Medicine	Dr. B. Ramamoorthy Oration Award	IMA, Trichy chapter	2012
Dr. P. ThirumalaiKolundusubramanian	Professor Medicine	Tamilnadu Medical Council Award	Tamilnadu Medical Council	2012

Dr. PR. PrabuElango	Professor Pediatrics	Active Pediatrician Award		2013
Dr. PR. PrabuElango	Professor Pediatrics	Dr. Lakshmibhai oration Award	Annamala i University	2013
Dr. P. Nallamuthu	Professor Ophthalmolo gy	Best Doctor Award	Thanjavur District	2014
Dr. S. Elango	Professor Community Medicine	Outstanding Achievement in public health	SRM University	2014
Dr. Gurudatta S. Pawar	Professor Forensic Medicine and Toxicology	Award for dedicated teaching service		2014
Dr. P. ThirumalaiKolun dusubramanian	Professor Medicine	Dr.Ramamoor thy oration Award	Indian Medical Associatio n Trichy	2014
Dr. P. Nallamuthu	Professor Ophthalmolo gy		Associatio n of Communit y Ophthalm ology	2015
Dr. P. ThirumalaiKolun dusubramanian	Professor Medicine	BeenyQuin Award for Research	Associatio n of Physicians of India, Theni	2015
Dr. S. Sellaraman	Professor Pediatrics	Best Doctor Award	Indian Medical Associatio n Tamilnad	2015

			u	
Dr. C. Gomathi	Professor Obstetrics and Gynecology	Life Time Achievement Award	Indian Medical Association Thanjavur	2016
Dr. L. Manivannan	Physical Director	Best Teacher Award	Indian Young Olympian federation	2016
Dr. L. Manivannan	Physical Director	Dr. APJ Abdul Kalam memorial Award for Teaching excellence	Marina Labs	2016
Dr. N. Prabhusaran	Microbiology	Excellence in Microbiology	Indian Health Professional Association	2016
Dr. L. Manivannan	Physical Director	Excellence in Yoga and Naturapathy	Indian Health Professional Association	2016

3.4.6 Indicate the average number of post graduate and doctoral scholars guided by each faculty during the last four years.

Postgraduate (MD) Research

S. No.	Department	Student	Research title	Year	Guide
1	Anatomy	Dr. P. Mangai	Computerized tomographic study	2015	Dr. SD. NalinaKuma

		yarkara si	of morphology of the cranial vault and diploeic space in pediatric age group		ri, Prof. and Head of Anatomy
2	Biochemi stry	Dr. N. Navane etha Laksh mi	A study of relationship of antimullerian hormone in women with normo ovulatory and PCOS	2015	Dr. KalavathyP onniraivan, Prof. and Head of Biochemistr y
3	Biochemi stry	Dr. J. Selvi	A study of metabolic syndrome in Psoriatic patients	2015	Dr. KalavathyP onniraivan, Prof. and Head of Biochemistr y
4	Biochemi stry	Dr. A. Synthi ya	Estimation of high sensitivity CRP and lipoprotein (a) in COPD	2015	Dr. KalavathyP onniraivan, Prof. and Head of Biochemistr y
5	Microbiol ogy	Dr. M. Nivitha	Identification of NFGNB from clinical, environmental samples and detection of imipenem gene from imipenem resistant isolates	2015	Dr. A. Uma, Prof. and Head of Microbiolog y
6	Microbiol ogy	Dr. J. Meera	Prevalence of leptospirosis in canine and canine pet owners other occupational risk groups	2015	Dr. A. Uma, Prof. and Head of Microbiolog y
7	Pathology	Dr. V.	Pap smear as a tool for evaluating	2015	Dr. V. Sarada,

		Monica	cervical dysplasia and malignancy–hospital based study		Prof. and Head of Pathology
8	Pathology	Dr. N. Sangeetha	Evaluation of breast lump clinically, radiologically, cytologically, histopathologically and IHC correlation	2015	Dr. R. Pramila, Prof. of Pathology
9	Pharmacology	Dr. A. Jegan	A study on the prevalence of vitamin D on the glycemic control and lipid profile in type 2 diabetic mellitus in a rural tertiary care hospital	2015	Dr. S. Manickavasagam, Prof. and Head of Pharmacology
10	Pharmacology	Dr. S. Bhuvaneshwari	A comparative study of sitagliptin and vildagliptin on glycemic control and serum lipid levels in type 2 DM in a rural tertiary care hospital	2015	Dr. P. Revathi, Associate Professor of Pharmacology
11	Physiology	Dr. B. Aanantha Lakshmi	Pattern of coagulation profile in patients with trauma	2015	Dr. P. Rajendran, Prof. and Head of Physiology (resigned)
12	Physiology	Dr. D. Niranjana	Pattern of stress, sleep and neurocognitive behavior during different phases of menstrual cycle in young healthy	2015	Dr. NachalAnna malai, Prof. and Head of Physiology

			individuals		
13	Biochemistry	Dr. V. Kayalvizhi	A thyroid profile status in type 2 DM patients	2016	Dr. KalavathyPonniraivan, Prof. and Head of Biochemistry
14	Microbiology	Dr. M. Jane Esther	Prevalence, phenotyping and molecular detection of bla NDM-1 and bla OXA-51 genes in carbapenemase producing strains among the carbapenem resistant Enterobacteriaceae	2016	Dr. A. Uma, Prof. and Head of Microbiology
15	Microbiology	Dr. M. Shalini	Speciation, virulence factors detection, antifungal susceptibility testing of Candida isolated from heterogeneous clinical samples	2016	Dr. A. Uma, Prof. and Head of Microbiology
16	Pathology	Dr. S. Manimegalai	Histopathological analysis of scaly skin lesions of non infectious etiology	2016	Dr. S. PriyaBanthavi Asso. Prof. of Pathology
17		Dr. S. Lalitha	Morphological evaluation of lymphocytes on peripheral smear examination in adult patients with lymphocytosis and its clinical	2016	Dr. V. Sarada Prof. and Head of Pathology

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Doctoral (Ph.D) Research

S. No.	Department	Scholar	Research title	Year	Guide
1	Physical Education	L. Manivannan	Effect of yogic practices and brisk walking on selected physiological, biochemical and psychological variables among hypertensive men	2016	Dr. R. Elangovan
2	Pharmacology	Lagisheetty Radhakrishna	Ecopharmacological study of residues of drugs and determination of antimicrobial resistance from hospital effluents	2016	Dr. N. Prabhusaran
3	Pharmacology	P. Revathi	Evaluation of antidiabetic, hypolipidemic and antioxidant effects of <i>Bruguiera cylindrica</i> (L.) blume in streptozotocin-nicotinamide induced diabetic rats	Synopsis submitted	Dr. P. Thirumalai Kolundu Subramanian
4	Physiology	M. Muhil	Analysis of heart rate variability in organophosphorus poisoning	In progress	Dr. P. Thirumalai Kolundu Subramanian
5	Physiology	A. Rajesh Kumar	Heart rate variability in patients with	In progress	Dr. P. Thirumalai Kolundu Subramanian

			snake bite		an
6	Anatomy	S. Sasikumar	Morphometrical, Histopathological and cytogenetical ameliorating effects of <i>Iodinium suffruticosum</i> extract on nicotine toxicity of the testis of wister albino rats	In progress	Dr. Kalavathy Ponniraivan
7	Anatomy	S. Ilavenil	A prospective study of pregnancy outcomes, gross and microscopic placental changes in overweight women and gestational diabetes	In progress	Dr. Kalavathy Ponniraivan
8	Microbiology	A.R. Susethiraja	Prevalence, phenotypic and genotypic detection of carbapenam resistant <i>Klebsiella</i> species and <i>in vitro</i> anti <i>Klebsiella</i> activity of herbal silver nanoparticles	In progress	Dr. A. Uma
9	Microbiology	G. Vazhavandal	Phenotypic and molecular characterization of methicillin resistant <i>Staphylococcus aureus</i> (MRSA) in a tertiary care hospital	In progress	Dr. A. Uma
10	Anatomy	Umapathy Semb	A study of pesplanur in rural	In progress	Dr. S.D. Nalinakum

		ian	Population		ari
11	Physiology	M. Raja jeyakumar	Effect of yoga intervention on psychophysiological and immunological status of the immunocompromised patients.	In progress	Dr. V. Mangaiyarkarasi
12	Physiology	R.A. Sureshbalaji	Effect of pranayama and exercise training on pulmonary functions in children with bronchial asthma	In progress	Dr. NachalAnn amalai
13	Physiology	H. Petricia	Study of effect of exercise training on vascular miRNA expression oxidative stress markers, autonomic function, mentation and wellness of obese children	In progress	Dr. Venkatramani

Doctoral of Science (D.Sc) Research

S. No	Department	Scholar	Research title	Year	Guide
1	Microbiology	Dr. N. Prabhusaran	Molecular epidemiology of Leptospira from humans and animals and application of bio-nanoparticles in experimental models	2013	Self Guidance

3.4.7 What is the official policy of the institution to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

Faculty members intending to publish research articles, submit the paper to the research cell. The research cell checks for plagiarism. Till date no publication from the institution was found plagiarized.

3.4.8 Does the institution promote multi/interdisciplinary research? If yes, how many such research projects have been undertaken and mention the number of departments involved in such endeavours?

Yes

S. No.	Departments involved in multi/ inter disciplinary research projects	Projects
1	Anatomy + Radiology	4
2	Anatomy + Physiology	12
3	Biochemistry + Medicine	2
4	Biochemistry + Community Medicine	1
5	Medicine and Surgery	1
6	Microbiology + Biochemistry	5
7	Microbiology + Biochemistry + Pharmacology	1
8	Micro +ENT	2
9	Microbiology + Medicine	7
10	Microbiology + OG	2
11	Microbiology + Pathology	6
12	Microbiology + Surgery	1
13	OG + Pathology	5
14	OG + Pediatrics	1
15	Pathology + Forensic Medicine	6
16	Pediatrics + Physiology	1
17	Pharmacology + Microbiology	19
18	Physiology + Biochemistry	1
19	Physiology + Chest and TB	8
20	Physiology + Medicine	4
21	Radiology + Skin and STD + Microbiology	3
22	Skin and STD + Microbiology	8
Total		101

3.4.9 Has the university constituted any research awards? If yes, list the awards.

Not Applicable

3.4.10 What are the incentives given to the faculty and students for receiving state, national and international recognition for research contributions?

Faculty : Rs. 1,00,000
Students : Rs. 50,000

3.4.11 Give details of the postgraduate and research guides of the institution during the last four years

S. No.	Name of the Guide and Department	Degree
Ph.D programme		
1	Dr. P. Thirumalaikolundusubramanian (Medicine)	MD
2	Dr. KalavathyPonniraivan (Biochemistry)	MD
3	Dr. A. Uma (Microbiology)	MD
4	Dr. S.D. Nalinakumari (Anatomy)	MD
5	Dr. NachalAnnamalai (Physiology)	MD
6	Dr. N. Prabhusaran (Microbiology)	Ph.D
Postgraduate Guides		
1	Dr. S.D. Nalinakumari (Anatomy)	MD
2	Dr. KalavathyPonniraivan (Biochemistry)	MD
3	Dr. A. Uma (Microbiology)	MD
4	Dr. V. Sarada (Pathology)	MD
5	Dr. R. Pramila (Pathology)	MD
6	Dr. Vasinthara (Pharmacology)	MD
7	Dr. P. Revathi (Pharmacology)	MD
8	Dr. NachalAnnamalai (Physiology)	MD

3.5 Consultancy

3.5.1 What are the official policy/rules of the institution for structured consultancy? List a few important consultancies undertaken by the institution during the last four years.

Educational, health and counseling consultancy are provided to various state and national level institutions and organizations.

3.5.2 Does the university have an industry institution partnership cell? If yes, what is its scope and range of activities?

Yes

- Improve the health status of industrial workers
- Education and research provision on occupational health

3.5.3 What is the mode of publicizing the expertise of the institution for consultancy services? Which are the departments from whom consultancy has been sought?

Qualification, degrees and field of expertise of the faculty members are available on CMCH&RC website. Consultancy services are provided for clinical sample processing and instrumentation, guidance and other services.

3.5.4 How does the institution utilize the expertise of its faculty with regard to consultancy services?

The faculty members are encouraged to provide consultancy on request and also contribute through conferences, seminars and workshops as chairpersons, special invitees and trainers.

3.5.5 Give details regarding the consultancy services provided by the institution for secondary and tertiary health care centers and medical / dental practitioners.

Urban and rural health centre of the institution sends around 10 to 20 patients for tertiary care.

3.5.6 List the broad areas of consultancy services provided by the institution and the revenue generated during the last four years.

The institution provides consultancy services on diagnostic, teaching, patient care and research. Our key areas are Clinical Biochemistry, Clinical Physiology, Clinical Pathology, Clinical Microbiology, Infection control, Bio-medical waste disposal, Antimicrobial resistance, Vector borne diseases, Surveillance activities, Epidemiological studies, Phytochemistry, Herbal medicines, Biomedical nanotechnology, Yoga, Environmental pollution, Radiological studies, Community empowerment, Health education etc.,

3.6 Extension activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution sensitize its faculty and students on its Institutional Social Responsibilities?

By camps and awareness programs. Details are listed below.

S. No.	Date	Programme	venue	Department
1	01.12.2010	AIDS awareness day	CMCH&RC	Microbiology and Skin & STD
2	15.10.2011	Global washing awareness hand day	CMCH&RC	Microbiology
3	01.12.2011	AIDS awareness day	CMCH&RC	Microbiology and Skin & STD

4	01.08.2012-07.08.2012	World feeding awareness	Beast week	CMCH&RC	Pediatrics
5	01.12.2012	AIDS awareness	day	CMCH&RC	Microbiology and Skin & STD
6	16.03.2013	Antibiotic resistance awareness		CMCH&RC	Microbiology
7	01.08.2013-07.08.2013	World feeding awareness	Beast week	CMCH&RC	Pediatrics
8	01.12.2013	AIDS awareness	day	CMCH&RC	Microbiology and Skin & STD
9	01.08.2014-07.08.2014	World feeding awareness	Beast week	CMCH&RC	Pediatrics
10	22.09.2014	Alzheimer's day awareness		CMCH&RC	Physiology and Psychaitry
11	01.12.2014	AIDS awareness For Engineering students and faculty (TRPEC)	day		Skin and STD
12	01.12.2015	AIDS awareness	day	CMCH&RC	Microbiology and Skin & STD
13	04.08.2015	Breast feeding Awareness		Government School, PunjaiSangenti	Community Medicine
14	05.08.2015	Breast feeding Awareness		RHTC Sangenti	Community Medicine
15	07.08.2015	Breast feeding Awareness		Government School, Vellanur	Community Medicine
16	08.08.2	Breast feeding		Government School,	Community Medicine

	015	awareness	Valaadi	
17	22.08.2015	Health Awareness and health check up for teachers and students	Kamala Niketan Montessori School	Community Medicine
18	15.10.2015	Global hand washing day awareness	Government School, Vellanur	Community Medicine
19	15.10.2015	Global hand washing day awareness	Government School, Samayapuram	Community Medicine
20	15.10.2015	Global hand washing day awareness	Government School, Siruganur	Community Medicine
21	21.11.2015	Dengue awareness programme	St. Louis R.C. middle school, Pullambadi	Community Medicine
22	01.12.2015	AIDS day programme	Samayapuram	Community Medicine
23	31.03.2016	World TB day awareness	CMCH & RC	Community medicine, Microbiology & Chest and TB
24	29.04.2016	NCD awareness programme	Government School, P. Sangenthi	Community Medicine
25	25.06.2016	World No Tobacco day	CMCH & RC	Community Medicine
26	25.06.2016	World Environmental day	CMCH & RC	Community Medicine

27		Health Awareness and Health Checkup	Kamala Niketitan School	Community Medicine
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3.6.2 How does the institution promote university-neighborhood network and Student engagement, contributing to the holistic development of students and sustained community development?

1. Family health survey

- Training students for family health survey
- Conduct of family health survey under supervision
- Analysis & presentation of data
- Training on decision making in consultation with family for curative, preventive
- and promotive health
- Monitoring the family members during follow up activities
- Educating and empowering the family members

2. National Health programmes

The institution implements various national health programme at main hospital and both health centres (urban & rural). Students are involved in the form of education, execution and evaluation of the national health programs.

3. Disaster management

Medical students and faculty are trained in disaster management. The faculty and students have provided health care delivery at the site of natural and manmade disasters, and transferred patients to hospitals for further care.

3.6.3 How does the institution promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programs?

Youth Red Cross (YRC) committee has been constituted on 21.06.2016. Public related activities on health care and rehabilitation training are taken up by students during natural calamities, national emergencies and disasters.

Designation	Name and Affiliation
Chairperson	Dr. Sukumaran Annamalai, Dean
Vice Chairperson & Programme Director	Dr. Gurudatta S. Pawar, Vice Principal and Professor & Head of Forensic Medicine and Toxicology
Staff Advisor and Programme Coordinator	Dr. M. Rajajeyakumar, Assistant Professor of Physiology
Students' Chairperson	Ms. K. Madhubala

Students' Chairpersons	Vice	Mr. P.K. Balaji Mr. R.C. Sanjeev Kumar
Students' Secretary		Mr. S. Mohammed Marzuk
Students' Joint Secretary		Ms. A. Pavithra Ms. G. JeyaVishnupriya
Students' Treasurer		Mr. S. Manikandan, Mr. M. Koteeswaran Mr. N. Hariesh

Activities

- ✓ National Eye Donation Awareness
- ✓ Organizers: Department of Ophthalmology, Medical Educational Unit and Youth Red Cross (YRC)
- ✓ Date: 06.09.2014
- ✓ Venue: Ophthalmology Department
- ✓ Key note address: Life after death - An eye's journey by Dr.Giridhar, Professor and Head of Ophthalmology
- ✓ Students' event: Small skits, poster and short film

Thooimai Vetkai

- ✓ Organizer: Youth Red Cross (YRC)
- ✓ Date: 08.05.2015
- ✓ Venue: College and hospital campus
- ✓ Students' event: 160 students participated; Old bottles, plastics, wrappers, rusted metals, handles, rubber material were removed from the campus.

Relief Fund for Nepal Disaster

- ✓ Organizer: Youth Red Cross (YRC)
- ✓ Date: 03.06.2015
- ✓ Amount sent for Disaster relief: Rs.1, 18,800/-

Honoring Dr. A.P. J Abdul Kalam

- ✓ Organizer: Youth Red Cross (YRC)
- ✓ Date: 05.08.2015
- ✓ Activity: Helmet – Skit, Short film
- ✓ Awareness Programme
- ✓ Organizer: Youth Red Cross (YRC) TRP Engineering College, Trichy
- ✓ Date: September 2015

Cuddalore cyclone Relief Fund

- ✓ Organizer: Youth Red Cross (YRC)
- ✓ Date: 18.12.2015
- ✓ Amount sent for Disaster relief: Rs. 41,000/-

Celebration of International Yoga day

- ✓ Organizer: Centre for Yoga Training Education & Research (CYTER) and Youth Red Cross (YRC)
- ✓ Date: 21.06.2016
- ✓ Activity: Constitution of new office bearers. Celebration of Yoga

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the institution to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

The IRB in collaboration with departments motivated the students and faculty members to conduct survey on various health care activities to create awareness among public, medical and para medical professionals.

S.No.	Department	Title of the social survey research
1.	Anatomy	Prevalence of overweight and obesity among private and government school children
2	Biochemistry	Awareness of health consequences of junk foods among medical students
3	Biochemistry	A study on socio-cultural problems and activities of the rural geriatric population
4	Community Medicine	High Risk Sexual Behavior among Long Distance Truck Drivers
5	Community Medicine	Psychological morbidity status among the rural geriatric population of Tamil Nadu, India:
6	Library	The reading habits of Medical students at CMCH&RC
7	Library	Use of library facilities and services among the students in CMCH&RC
8	Microbiology	Knowledge, attitude, behavior and practice of social networking among students and its impact study
9	Microbiology	Bacteriological study of packaged drinking water available in the market during pre monsoon period in Tiruchirapalli, Tamilnadu
10	Microbiology	KAP study about carbonated drinks consumption among medical college students.

11	Microbiology	Infection control practices in intensive care units
12	Microbiology	Poor garbage management: a major source of emergence of leptospirosis and other infectious diseases
13	Microbiology	Survey of leptospiral pathogens carried by rodents at different areas of Tiruchirapalli, India
14	Microbiology	Study on the assessment of needle stick injuries and occupational safety among health care workers
15	Microbiology	Knowledge, Attitude and practice towards leptospirosis among municipal workers in Tiruchirapalli, India
16	Microbiology	Prevalence of dental caries among adults and elderly in an urban population of Pudukkottai, India
17	Microbiology	A study on KABP of biomedical waste management among staff of a tertiary teaching hospital in Tamilnadu
18	Microbiology	Comparison of attitude of healthcare professional and experience of HIV patients towards stigma and discrimination
19	Pharmacology	Survey of legibility of prescriptions in private and government clinical setups in South India
20	Pharmacology	Attitude and Practice of pharmacists towards drug take back programme
21	Pharmacology	Pharmacist's Opinion and practice towards disposal of unused medications in South India
22	Pharmacology	Assessment of antimicrobial utilization and prescribing pattern among the health care professionals
23	Pharmacology	Knowledge, Attitude ad Practice towards disposal of medicines; a qualitative study among health care professionals

24	Pharmacology	Practice towards disposal of medicines
25	Pharmacology	Perception of Adverse Drug Reaction among Doctors, Nurses and Pharmacists of a tertiary care rural teaching hospital
26	Physiology	Anemia and adverse birth outcome of teenage pregnancy in rural area of Tamilnadu
27	Psychiatry	Psychological impacts among patients with type 2 diabetes mellitus: a cross sectional study
28	Psychiatry	Sleep quality among type 2 diabetes with nicotine dependence

The department of Community Medicine has conducted batch wise social surveys annually for undergraduates every year on

- ✓ Environmental survey at P. Sangenthi, N. Sangenthi, Vellanur, Samayapuram etc.
- ✓ Nutritional assessment and diet survey at P. Sangenthi, Vellanur, and Samayapuram etc.

3.6.5 Does the institution have a mechanism to track the students' involvement in various social movements / activities that promote citizenship roles?

Yes, the student's involve in various social movements/ activities. The list of activities is furnished below. The organizing departments follow up and monitor the student activities.

S.No.	Date (s)	Activity	Responsible Department
1	01.12.2010	AIDS day awareness	Microbiology and Skin

			& STD
2	15.10.2011	Global hand washing day awareness	Microbiology
3	01.12.2011	AIDS day awareness	Microbiology and Skin & STD
4	01.08.2012-07.08.2012	World Breast feeding week awareness	Pediatrics
5	01.12.2012	AIDS day awareness	Microbiology and Skin & STD
6	16.03.2013	Antibiotic resistance awareness	Microbiology
7	01.08.2013-07.08.2013	World Breast feeding week awareness	Pediatrics
8	01.12.2013	AIDS day awareness	Microbiology and Skin & STD
9	01.08.2014-07.08.2014	World Breast feeding week awareness	Pediatrics
10	22.09.2014	Alzheimer's day awareness	Physiology and Psychiatry
11	01.12.2014	AIDS day awareness	Skin and STD
12	01.12.2015	AIDS day awareness	Microbiology and Skin & STD
13	04.08.2015	Breast feeding awareness	Community Medicine
14	05.08.2015	Breast feeding awareness	Community Medicine
15	07.08.2015	Breast feeding awareness	Community Medicine
16	08.08.2015	Breast feeding awareness	Community Medicine
17	22.08.2015	Health Awareness and health check up in schools	Community Medicine
18	15.10.2015	Global hand washing day awareness	Community Medicine

19	15.10.2015	Global hand washing day awareness	Community Medicine
20	15.10.2015	Global hand washing day awareness	Community Medicine
21	21.11.2015	Dengue awareness program	Community Medicine
22	01.12.2015	AIDS day program	Community Medicine
23	31.03.2016	World TB day awareness	Community medicine, Microbiology & Chest and TB
24	29.04.2016	NCD awareness program	Community Medicine
25	25.06.2016	World No Tobacco day	Community Medicine
26	25.06.2016	World Environmental day	Community Medicine

AIDS awareness program during International AIDS day every year.

1. Conducted rallies to create public awareness and street plays.
2. Needle prick awareness programme was conducted among medical and para medical professionals

3.6.6 How does the institution ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the institution that have encouraged community participation in its activities.

The involvement of the community in the college outreach activities is facilitated through Government bodies, non-governmental agencies, corporate bodies, local village leaders/ community heads etc. The institution observed different national / international day related to health. These days are widely disseminated through various media among the rural population and specialty services are provided to them

3.6.7. Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

Nil

3.6.8 What intervention strategies have been adopted by the institution to promote the overall development of students from rural/ tribal backgrounds?

Special classes are conducted for the development of students from rural/tribal backgrounds.

3.6.9 What initiatives have been taken by the institution to promote social-justice and good citizenship amongst its students and staff?

How have such initiatives reached out to the community?

The institution has established committees for prevention of Ragging, Gender Harassment and Disciplinary issues to promote social justice and good citizenship among students.

3.6.10 How does the institution align itself with the annual themes/programs of WHO/ICMR?

The institution discusses the annual themes of ICMR and WHO at the college council meeting before the end of the year and makes the following decisions:

1. Allotment of department(s)
2. Mode of implementation
3. Financial allocation
4. Data collection, compilation, analysis and presentation
5. Preparation of report
6. Uploading of the activities in the institution website

The institutions follow the themes / programs of various national and global governing bodies including

1. AIDS day
2. Global hand washing day
3. World breast feeding week
4. Alzhiemer day
5. Dengue awareness programme
6. World TB day awareness
7. NCD awareness
8. World No Tobacco day
9. World Environment day

3.6.11 What is the role of the institution in the following extension activities? Community outreach health programs for prevention, detection, screening, management of diseases and rehabilitation by cost effective interventions.

- ✓ Awareness creation regarding potable water supply, sanitation and nutrition.
- ✓ Awareness creation regarding water-borne and air-borne communicable diseases.
- ✓ Awareness creation regarding non-communicable diseases - cardiovascular diseases, diabetes, cancer, mental health, accident and trauma, etc.
- ✓ Awareness creation regarding the role of healthy life styles and physical exercise for promotion of health and prevention of diseases.
- ✓ Awareness creation regarding AYUSH Systems of medicines in general and / or any system of medicine in particular.

- ✓ Complementary and alternative medicine.
- ✓ Pharmacoeconomic evaluation in drug utilization.
- ✓ Participation in national programs like Family Welfare, Mother and Child Welfare, Population Control, Immunization, HIV/AIDS, Blindness control, Malaria, Tuberculosis, School Health, anti tobacco campaigns, oral health care, etc.
- ✓ Adoption of population in the geographical area for total health care.
- ✓ Health services to the community are provided through rural and urban health centre at Sangenthi and Samayapuram respectively.
- ✓ Research or extension work to reach out to marginalized populations.
- ✓ Assessment of under nutrition using composite Index of Anthropometric failure [IAF] among under five children of Tribal population

The institution executes community outreach health programmes regularly with an active participation faculty, residents and students in which preventive, promotive, curative and rehabilitative aspects of diseases are considered.

Sl.No	Extension Activities	Students	Faculty
1.	Family Health Survey	Following a allotted family in the community from 2nd year to internship Act as a bridge between community and hospital Act as a counsellor and advise	Allotment of family Monitoring and guiding the students
2.	Peripheral centres (RHTC-Sangenthi, UHTC-Samayapuram)	Providing health education Interaction with the community Screening for diseases in field practice area	Administration of centers Providing OPD and Specialist services Guiding students to provide health Education Guiding and monitoring students in doing screening programmes
3.	Awareness Programmes	Monthly two programmes with the CRRIs and	Planning, Supervising and guiding the students

		students Conducting awareness programmes	
4.	School health screening programmes	Screening of school children for malnutrition, anemia, oral health, refractory errors Health education	Planning of activities Provide health care and Examination Referral services Guiding and monitoring students
5.	Out-reach clinics	Help faculty in providing health care and examination Conduct IEC activities	Planning of activities Providing treatment for general ailments Referral services
6.	Community awareness	Provide training to village volunteers Co-ordinate with village volunteers for health education and service camps	Planning, Organization and Monitoring of health education, community mobilization and health delivery services
7.	Services to ICDS Centers	Health education to women and adolescent girls enrolled in ICDS Center Celebrate important health days like World health day, breast feeding week etc	Planning, Organization and Monitoring of health education, community mobilization and health delivery services
8.	Services to public health grass root level workers	Interact with them to understand their roles and responsibilities	Capacity building
9.	Services to migrant population	Interact with them to understand their health and social problems	Organize preventive, curative and rehabilitative services
10.	Services to food handlers	Interact with them to understand their health and social problems Screen their general	Organize preventive, curative and rehabilitative services

		health Provide health education on food hygiene	
11.	Services to industrial Workers	Screen their general health Provide health education Learn nuances of occupational health	Organize preventive, curative and rehabilitative services

3.6.12 Do the faculty members participate in community health awareness programs? If yes, give details.

S.No.	Date (s)	Activity	Responsible Department
1	01.12.2010	AIDS day awareness	Microbiology and Skin & STD
2	15.10.2011	Global hand washing day awareness	Microbiology
3	01.12.2011	AIDS day awareness	Microbiology and Skin & STD
4	01.08.2012-07.08.2012	World Breast feeding week awareness	Pediatrics
5	01.12.2012	AIDS day awareness	Microbiology and Skin & STD
6	16.03.2013	Antibiotic resistance awareness	Microbiology
7	01.08.2013-07.08.2013	World Breast feeding week awareness	Pediatrics
8	01.12.2013	AIDS day awareness	Microbiology and Skin & STD
9	01.08.2014-07.08.2014	World Breast feeding week awareness	Pediatrics
10	22.09.2014	Alzheimer's day awareness	Physiology and Psychiatry
11	01.12.2014	AIDS day awareness	Skin and STD
12	01.12.2015	AIDS day awareness	Microbiology and Skin & STD

13	04.08.2015	Breast feeding awareness	Community Medicine
14	05.08.2015	Breast feeding awareness	Community Medicine
15	07.08.2015	Breast feeding awareness	Community Medicine
16	08.08.2015	Breast feeding awareness	Community Medicine
17	22.08.2015	Health Awareness and health check up in schools	Community Medicine
18	15.10.2015	Global hand washing day awareness	Community Medicine
19	15.10.2015	Global hand washing day awareness	Community Medicine
20	15.10.2015	Global hand washing day awareness	Community Medicine
21	21.11.2015	Dengue awareness program	Community Medicine
22	01.12.2015	AIDS day program	Community Medicine
23	31.03.2016	World TB day awareness	Community medicine, Microbiology & Chest and TB
24	29.04.2016	NCD awareness program	Community Medicine
25	25.06.2016	World No Tobacco day	Community Medicine
26	25.06.2016	World Environmental day	Community Medicine

3.6.13. How does the institution align itself and participate in National program for prevention and control of diseases?

The institution supports the diseases prevention and control programs through medical officers of primary health centers (PHCs) and Deputy Director of health services in the Tiruchirapalli district.

1. Notifiable infectious and communicable diseases
2. Epidemiological investigations
3. Medical camps

4. Laboratory investigations support

Diseases

1. Dengue
2. Chikungunya
3. Malaria
4. Leprosy
5. HIV/ AIDS
6. Tuberculosis

3.7 Collaborations

3.7.1 How has the institution's collaboration with other agencies impacted the visibility, identity and diversity of campus activities? To what extent has the institution benefitted academically and financially because of collaborations?

- ✓ The institute collaborates with Indian council of medical research to promote research enrolment among UG students by conducting ICMR short term studentship projects.
- ✓ The institution collaborates with Indian institute of technology for conducting online courses for UG and PG students and faculty to improve their academic qualification.

3.7.2 Mention specific examples of how these linkages promote

Curriculum development	-	Yes
Internship	-	Yes
On-the-job training	-	Yes
Faculty exchange and development	-	Yes
Research	-	Yes
Publication	-	Yes
Consultancy	-	Yes
Extension	-	Yes
Student placement	-	NA
Any other (specify)	-	NA

3.7.3 Has the institution signed MOUs or filed patents with institutions of national/international importance / other universities / industries / corporate houses etc.? :

Yes.

3.7.4 Have the institution-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

Yes.

3.7.5 Give details of the collaborative activities of the institution with the following

- * **Local bodies/ community - providing health care services**
- * State government / Central government /NGOs – Blood donation camp, Eye check, ENT check up, Health care check up
- * National bodies - Nil
- * International agencies - Yes
- * Health Care Industry – Biomedical, Pharmaceutical, Herbal,
- * Clinical Research Organization (CRO) - No
- * Service sector – Chief minister’s comprehensive health insurance scheme
- * Any other (specify)

3.7.6 Give details of the activities of the institution under public-private partnership.

- Community education on health matters
- Empowering the community on medical emergencies- recognition and intervention
- Swachh Bharat scheme
- School Health programme
- Sensitization on occupational health hazards
- Family welfare activities
- Cancer detection
- Detection and Prevention of non-communicable diseases
- Immunization programmes
- Chief minister’s health insurance scheme

Innovative practices

I. Research cell

The institution has a research cell to promote research culture among students, residents and faculty. It has three full time faculty members with specific responsibilities as given below.

Mr. M. Ismail, Professor of Research and Medical Entomologist.

1. Develop and strengthen Students Research
2. Enhancing Faculty Research
3. Motivate faculty for Ph.D programmes and assist.
4. Collaborate with other institutions for research
5. Organize research committee meetings
6. Convene and conduct IEC meetings
7. Help students to present papers at conferences.
8. Assist in publication of papers by students and faculty
9. Develop and maintain archives of publications
10. Act as communication channel for all research oriented activities.
11. Contribution to academic activities

Dr. N. Prabhusaran, Associate Professor

1. Research proposals preparation
2. Ph.D. programmes monitoring
3. Students research
4. Ethical committee assistance
5. NAAC related works
6. Consultancy services
7. Help in paper publication.
8. Organizing Conferences/ Seminars/ Workshops etc.

Dr. A. Sundhararajan, Assistant Professor

1. Research proposals
2. Students research
3. Ethical committee assistance
4. NAAC related works

In short, these three faculty members

- Conduct research cell activities,
- Organize all research committee, IEC and IEAC meetings,
- Maintain archives of project works, dissertations and thesis
- Work with medical education unit in imparting knowledge.
- Provide information related to research

A Biostatistician and two attendees aid them in their work.

II. Division on Medical Entomology (DME)

A fully qualified Medical Entomologist works in the institution on full time basis, who is involved in teaching and training on vector borne infectious diseases. He assists students to undertake research projects related to such diseases. He collaborates with educational institutions to deliver lectures on Medical Entomology and initiate research on vector borne diseases. He is also collaborating with national institutions like VCRC (ICMR), Puducherry, CRME (ICMR), Madurai and Department of Public Health, Chennai under private public partnerships.

III. Research laboratory of Leptospirosis (RLL)

RLL offers diagnostic services for leptospirosis samples, infection surveillance studies, training for research scholars and students and maintains a collection of *Leptospira* reference strains. Identification of causative *Leptospira* strains (or serovars) is the key to the identification of infection sources and is critical for surveillance. Hence, RLL focus on the development and application of methods that are required for characterization of new *Leptospira* strains. RLL is associated with local, national and international surveillance activities in collaboration with Universities and Reference centres.

Dr. N. Prabhusaran, Associate Professor of Research and Microbiologist, having vast research experience in the areas of Clinical Microbiology with special research expertise in human and animal leptospirosis, collaborates with national institutions like Bharathidasan University, Tiruchirapalli, *Leptospira* Reference laboratory, Chennai and RMRC, Port Blair on leptospirosis.

IV. Division of Bionanotechnology (DBioNT)

The research division of Bionanotechnology is active in the fundamental science and technology of micro and nano systems and their applications in food and health.

Research interests of the BioNT division range from dynamic supra molecular chemistry in solution and on surfaces, to biomedical use of nano materials including nano particles and crystals. The D BioNT actively collaborates with SASTRA University, Thanjavur, PSG Institute of Technology, Coimbatore, Lady Doak College, Madurai and SRM University, Kattankulathur.

The objectives of D BioNT are

- a) To synthesize and characterize bio nano materials.
- b) To understand the structure and function of biological systems on the nano scale.
- c) To develop biologically inspired nano materials
- d) To screen the synthesized nano material's for clinical purposes
- e) To exhibit more nano drains and nano diagnostics
- f) To interface biomolecules with solid surfaces.
- g) To extend the application of nanomaterials for environmental and industrial applications.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

Summary

The institution has a spacious and green campus that conducive learning environment. It has well planned, need based infrastructure and learning resources with furnished air conditioned lecture halls, well equipped departments and research laboratories, separate hostels for boys and girls, spacious library, adequate staff quarters, large playgrounds and administrative buildings. Well furnished and air conditioned multipurpose halls and auditorium are available in the institution. Essential facilities including canteen, gymnasium, round the clock and security have been provided. The campus has impressive buildings with planned roads and continuous water and electricity supply.

- ❖ The Medical College and Hospital spread over 56.75 acres in the rural area of Irungalur, Tiruchirapalli. The college block has a built up area of 28,620 sq.m which has 5 lecture halls, 16 demonstration halls and the hospital block has a built up area of 72,116 sq.m, comprising A, B and C blocks.
- ❖ The urban health centre situated at Samayapuram, 5 kms away from the main campus has the total area of 631sq.m and rural health centre situated at Sangenthi, 25kms away from the campus has 2697sq.m.
- ❖ The Students' hostel and Staff quarters are having a total built up areas of 43,116 sq.m.
- ❖ The playground and indoor games courts have furnished areas of 28,993 sq.m and 268.78 sq.m respectively. A separate gymnasium for boys and girls are built with 113.84 sq.m each.
- ❖ All the available infrastructure facilities are optimally utilized by strategic planning of syllabus, time tables, schedules and time management.
- ❖ Every infrastructure facility is maintained by a skilled workforce of electricians, plumbers, fitters, carpenters under the guidance and supervision of civil and maintenance departments.
- ❖ The institution is having central library with the built up area at 2515.91sq.m. The library works from 8.00am to 8.00pm in all working days and 8.00am to 2.00pm in Sundays and Public holidays.
- ❖ The library is managed by a qualified librarian, deputy librarian, 4 assistant librarian and 6 supporting staff. The students and faculty have access to the library with 13,937 books, 1,100 reference books, 25 Journals, 91 online journals and 792 CDs and DVDs.
- ❖ The library area has two 150 capacity reading room for students, two 30 capacity for faculty reading room and Journal reading room. Browsing room with 40 capacities has computers with internet connections. E-library facility is also available. Photocopy and scanning facilities are available free of cost in library. The library provides online public access catalogue (OPAC) facility.

- ❖ The institution supports in purchasing the books, important journals and other reading materials without any budgetary constraint.
- ❖ The college and hospital buildings are fully networked with fiber optic cable.
- ❖ A full time Director for campus is available for the welfare of students and faculty.
- ❖ Well qualified physical director, coaches and instructors are motivating the students to participate in the intra and extramural sports and games.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

The Chennai medical college hospital and research centre is situated in 56.75 acres of rural area at Irungalur village, Tiruchirappalli district. A rural health centre, located 29 km away from the institution at Sangenthi and an urban health centre, located 4 km away at Samayapuram are part of the institution. It has good infrastructure and learning resources with well furnished ventilated class rooms, well equipped laboratories, separate hostels for boys and girls, inspiring libraries, discussion rooms, seminar halls, large play grounds and administrative spaces. A bank and ATMs are located just in front of the campus. Cafes and restaurants are provided inside the campus.

The campus has its master plan, highly impressive buildings, asphalted wide roads and continuo electricity and water supply. The campus is beautiful with gardens, social forestry and landscaping. The infrastructure facility of the institution has been certified to be more than adequate by the Medical Council of India and Tamilnadu Dr. MGR Medical University. Efforts are continuously taken to provide sufficient facilities for the comfort of students, staff, faculty and patients. :

S. No	Name of the building	Area in sq.mt
1.	Hospital	72,116
2.	Medical College	28,620
3.	Hostels & Quarters	43,116
4.	Urban health centre	631
5	Rural health centre	2697
6	6.1 Play Ground Play field (Basket Ball, Cricket, Foot Ball, Throw Ball, Volley Ball and Track events)	28,993

	6.2 Indoor Games Boys indoor games Girls indoor games Gymnasium Gymnasium (boys) : 113.84	119.46 149.32 113.84
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4.1.1 How does the institution plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The college, hospital, faculty and staff quarters and the boys and girls hostels are located within close vicinity to each other, all connected with broad asphalted well laid roads. The institute ensures optimal utilization of the lecture theaters and laboratories by well structured time table and log books. Regular audit of operation theatres and in patient wards ensure proper utilization of the facilities.

Sl. No	Seating Capacity of Lecture Theatre	Availability
1.	180	5 no
2.	375	1 no
3.	Nil	1 No

4.1.2 Does the institution have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Yes

The institution has the following policies to promote a good teaching-learning environment

1. Introduction of Wi-Fi and ICT enabled teaching learning environment.
2. CCTV monitoring will be used in lecture classes to monitor the teaching methods and assess participation of students, which will be evaluated by medical education unit
3. Periodical medical education technology workshops to enhance faculty development
4. Online facilities with a motto off “Learn” anywhere at any time.

4.1.3 Has the institution provided all its departments with facilities like office room, common room and separate rest rooms for women students and staff ?

Yes. The institution has provided the following Dean office, Vice principal office, College Council Hall, Medical Board room, College Office,

Administrative office, Offices for finance, stores and HR, Record room and separate common rooms for male and female students with Toilets. All the departments are provided with office room, Professor and Head room, common room and separate rest rooms for men, women and staff.

4.1.4 How does the institution ensure that the infrastructure facilities are barrier free for providing easy access to college and hospital for the differently-abled persons?

- ✓ Ramps with hand railings are provided wherever required in the college and especially in the hospital.
- ✓ Lifts are provided in Hospital, College, Hostels and residential quarters.

4.1.5 What special Facilities are available on campus to promote students' interest in sports and cultural events/activities?

- ✓ Indoor halls for playing Carrom, Table Tennis, Chess.
- ✓ Outdoor grounds for Basket Ball, Cricket, Foot Ball, Throw Ball, Volley Ball Shuttle badminton and Track events.
- ✓ Yoga lab for yoga practice.
- ✓ Gym facilities for men and women.
- ✓ Annual cultural activities organized by the fine arts council.
- ✓ Participation in intercollegiate sports literary and cultural competitions.

4.1.6 What measures does the institution take to ensure campus safety and security?

- ✓ Round the clock security and surveillance at nearly 50 locations in the campus by security personnel supervised by able security officers.
- ✓ Monitoring of all vehicles entering and leaving the campus.
- ✓ CCTV cameras placed in all crucial places.
- ✓ Identification stickers issued to all approved vehicles.
- ✓ Fire fighting equipments strategically placed in all vulnerable locations.

4.1.7 Facility of Animal House

4.1.7. a. Is animal house maintained as per CPCSEA guidelines?

Yes

4.1.7. b Whether records of animal house are maintained for learning and research activities?

Yes. The animal house records are maintained as per the guidelines issued by CPCSEA.

4.1.7. c Does the animal house have approval for breeding and selling experimental animals as per CPCSEA guidelines ? :

Not applicable

4.1.8 Provide the following details on the use of laboratories / museums as learning resources:

Labs / other details	Number
Central Lab (Pathology, Bio chemistry, Microbiology)	1
UG Labs	12
PG Research Lab	6
Central Research Lab	1
Museums	8

- ✓ Maintenance and up-gradation : Yes, all the lab equipments are maintained by the bio medical engineering department.
- ✓ Descriptive catalogues in museums : Yes
- ✓ Usage of the above by the UG/PG students : Yes.

4.19. Dentistry

Dental chairs in clinic – specialty wise

Chair	Activity
1	X- Ray
2 , 3	Root canal, Treatment, Scaling.
4 ,5 ,6,7,8	Extraction
Total	8 Chairs

Schedule of chair side teaching in clinics – specialty wise

Trauma, lesion, carcinoma and other cases.

Number of procedures in clinics per month and year “ PROCEDURE CENSUS JAN – DEC- 2015

MONTH	EX T	RC T	RE S	FP D	SC A	OR T	OR T RP D	IOP A	T F	INCO ME
JANUARY	69	-	12	01	12	-	02	14	0 2	14000
FEBRUAR Y	55	-	11	06	11	02	-	08	0 2	32400
MARCH	83	-	03	04	05	-	-	02	-	8700
APRIL	84	-	08	02	-	-	-	09	0 1	5300
MAY	82	02	19	05	03	01	01	10	0	24350

									2	
JUNE	77	-	12	-	01	01	01	08	02	14050
JULY	98	04	11	02	-	-	-	08	03	12350
AUGUST	70	01	10	04	01	-	01	13	-	11800
SEPTEMBER	66	-	11	05	04	-	-	12	02	12900
OCTOBER	46	01	14	-	01	-	-	04	01	6850
NOVEMBER	40	04	05	10	13	-	-	17	02	28600
DECEMBER	34	15	22	07	24	-	-	43	03	40400
TOTAL	804	27	138	46	75	04	05	148	20	211700

ORAL & MAXILLOFACIAL SURGERY JAN – DEC- 2015 - PROCEDURE CENSUS – JAN-MAY- 2016

MONTH	EX T	RC T	RE S	FP D	SC A	OR T	OR T RP D	IOP A	T F	INCOM E
JANUARY	47	24	11	1	17	14	-	24	2	30900
FEBRUARY	67	26	10	-	18	19	-	33	-	37000
MARCH	78	14	16	18	12	16	-	54	3	47950
APRIL	58	18	5	43	10	28	-	41	4	93600
MAY	39	4	4	5	2	17	-	19	-	12950

Mobile dental care unit

Facilities for dental and maxillofacial procedures : Yes.

Dental laboratories : No

4.1.10 Pharmacy

- ✓ Pharmaceutical Science Laboratories : No
- ✓ Museum for drug formulations : Yes
- ✓ Machine room : No
- ✓ Herbarium / crude drug museum : Yes
- ✓ Balance room : No
- ✓ Chemical store : Yes
- ✓ Instrumentation facilities : Yes
- ✓ Pilot plant : No
- ✓ Computer aided laboratory : Yes

4.1.11 Yoga and Naturopathy

- ✓ Demonstration hall with teaching facility to cater to the needs of the students. : Yes
- ✓ Diet Service Management Department : Yes
- ✓ Yoga cum multipurpose hall for meditation and prayer : Yes
- ✓ Solarium compatible for multimedia presentation : No
- ✓ Mud Storage Unit : No
- ✓ Outdoor Facilities - Walking track with reflexology segment. : No
- ✓ Swimming Pool : No
- ✓ Naturopathy blocks : No

4.1.12 Homoeopathy : Not practiced

- ✓ Museum and demonstration room (Homoeopathic Pharmacy Laboratory, Pathology Laboratory, Community Medicine, Homoeopathic Materia Medica, Organon of Medicine including History of Medicine)
- ✓ Repertory with Computer Laboratory and Demonstration Room : Not practiced.

4.1.13 Nursing

- ✓ Nursing Foundation Laboratory : Yes
- ✓ Medical Surgical Laboratory : Yes.
- ✓ Community Health Nursing Laboratory : Yes
- ✓ Maternal and Child Health Laboratory : Yes.
- ✓ Nutrition Laboratory : Yes.
- ✓ Pre clinical Laboratories : Yes
- ✓ Specimens, Models and Mannequins : Yes.

4.1.14 : Ayurveda : Not practiced

4.1.15 Does the institution have the following facilities ? If so, indicate its special features, if any.

- ✓ Meditation Hall : Yes.
 ✓ Naturopathy blocks : No.

4.1.16 Provide details of sophisticated equipments procured during the last four years.

LIST OF EQUIPMENTS PURCHASED LAST THREE YEARS					
S.NO	EQUIPMENT NAME	QUANTITY	DEPARTMENT	YEAR OF PURCHASE	VALUE
1	ANESTHESIA WORK STATION	3	MAIN OT	2014	18,60,000/-
2	ACT PLUS MACHINE	2	CARDIOLOGY	2014	6,30,000/-
3	BAIR HUGGER PATIENT WARMING MACHINE	1	CARDIOLOGY	2014	1,05,000/-
4	HEART LUNG MACHINE	1	CARDIOLOGY	2014	17,30,000/-
5	CR MACHINE	1	RADIOLOGY	2014	15,00,000/-
6	DEFIBRILATOR	2	CARDIOLOGY	2014	4,40,000/-
7	IABP MACHINE	1	CARDIOLOGY	2014	\$42,000
8	MULTIPARA MONITOR	1	MAIN OT	2014	2,50,000/-
9	MULTIPARA MONITOR	2	MAIN OT	2014	7,00,000/-

10	MULTIPARA MONITOR	1	GASTROENTEROLOGY	2014	1,05,000/-
11	OT TABLE	1	CARDIOLOGY	2014	3,00,000/-
12	ULTRASOUND MACHINE	1	RADIOLOGY	2014	14,50,000/-
13	VENTILATOR	3	CARDIOLOGY	2014	19,80,000/-
14	BAIR HUGGER PATIENT WARMING MACHINE	1	MAIN OT	2014	1,05,000/-
15	LIGHT SOURCE	1	CARDIOLOGY	2014	4,04,250/-
15	OPERATING FRACTURE TABLE	1	ORTHOPEDICS	2015	4,10,000/-
16	ELECTROLYTE ANALYSER	1	CENTRAL LAB - BIOCHEMISTRY	2015	1,05,000/-
17	BLOOD WARMER	1	CARDIOLOGY	2015	1,00,800/-
18	BOWL STERILIZER	1	CARDIOLOGY	2015	1,26,000/-
19	MULTIPARA MONITOR	6	CARDIOLOGY	2014	15,00,000/-
20	MULTIPARA MONITOR	2	CARDIOLOGY	2014	7,00,000/-
21	OT TABLE	3	MAIN OT	2015	9,00,000/-
22	DEFIBRILLATOR	1	CARDIOLOGY	2015	2,20,000/-

23	MULTIPARA MONITOR	2	SPECIAL WARD	2015	2,10,000/-
24	MULTIPARA MONITOR	1	MEDICINE WARD	2015	1,05,000/-
25	AUDIOMETER	1	ENT	2016	1,70,000/-
26	ENDOSCOPY ADULT	1	SURGERY	2016	5,50,000/-
27	AUTOMATIC FILM PROCESSOR	2	RADIOLOGY	2016	5,88,000/-
28	AUTOCLAVE	1	CSSD	2016	5,25,000/-
29	AUTOCLAVE	1	CSSD	2016	5,75,000/-
30	EMG MACHINE	1	PHYSIOLOGY	2016	2,20,000/-
31	SPIROMETER	1	PHYSIOLOGY	2016	2,24,451/-
32	VENTILATOR	3	ICU COMPLEX	2016	19,59,750/-
33	HOPKINS WIDE ANGLED TELESCOPE 0 DEGREE AND 30 DEGREE	2	ENT	2016	3,99,000/-
34	FLASH AUTOCLAVE	1	MAIN OT	2016	1,74,000/-
35	ECG MACHINE	2	CARDIOLOGY	2016	2,70,000/-
36	HPLC MACHINE	1	PHARMACOLOGY	2016	12,52,500/-

37	FLASH AUTOCLAVE	1	CARDIOLOGY	2015	1,28,520/-
38	HOLTER MONITOR	1	CARDIOLOGY	2014	1,68,000/-
39	ANESTHESIA WORK STATION	2	CARDIOLOGY	2014	6,20,000/-

4.2 Clinical Learning Resources

4.2.1

- ✓ **Teaching Hospital** : Yes
 - ✓ **Year of establishment** : 2009
 - ✓ **Hospital institution distance** : 120 meters.
 - ✓ **Whether owned by the college or affiliated to any other institution** : Owned by the college.
 - ✓ **Are the teaching hospitals and laboratories accredited by NABH, NABL or any other national or international accrediting agency?** : No
 - ✓ **Number of beds** : 810
 - ✓ **Number of specialty services** : 10 special services are available in the hospital.
(Medicine, surgery, OG, orthopedics, pediatrics, radiology, ophthalmology, ENT, Skin, dental)
 - ✓ **Number of super-specialty services** : 6 No (Cardiology, nephrology, neurology, neurosurgery, plastic surgery, urology)
 - ✓ **Number of beds in ICU / ICCU / PICU / NICU, etc.** : 51
 - ✓ **Number of operation theatres** : 12
 - ✓ **Number of Diagnostic Service Departments** : 05 (Biochemistry, pathology, microbiology, Radiology Diagnostic Service Departments)
 - ✓ **Clinical Laboratories** : Yes.
- Service areas viz. laundry, kitchen, CSSD, Backup power supply, AC plant, Manifold Rooms, pharmacy services**
- ✓ Power Laundry, kitchen , CSSD department : yes
 - ✓ Backup Power Supply to the MRI, CT, OT Complex, Blood Bank, Central Lab, Admin Office, Library & Examination Hall .
 - ✓ 725 KVA Gen Set – 2 Nos,
 - ✓ 625 KVA – 1No. .
 - ✓ AC Plant – 320 TR – 2 Nos. 120 TR – 1 No. Centralized Air conditioning unit for Teaching Hospital and the Medical College
 - ✓ Manifold Room – The gas manifold serve Oxygen, Nitrous Oxide, and vacuum Air to OT Complex, ICU Complex, Casualty section etc.,
 - ✓ Blood Bank services : Yes
 - ✓ Ambulance services : Yes
 - ✓ Hospital Pharmacy services : Yes
 - ✓ Drug poison information service : No.

- ✓ Pharmaco-vigilance : Yes
- ✓ Mortuary, cold storage facility : Yes
- ✓ Does the teaching hospital display the services provided free of cost ? : Yes
- ✓ What is the mechanism for effective redressal of complaints made by patients?
- ✓ Feed back is obtained from patients and the attendants. Discussed in the HOI meeting and appropriate actions are taken.

Give four years statistics of inpatient and outpatient services provided.

Particulars	2012	2013	2014	2015
In Patient				
Total No. of Admissions	30491	31656	33253	34237
Total No. of Discharges	30347	31380	33045	33202
Total No of Deaths	129	125	204	245
Total No. of In-Patients Census	186716	192901	205381	199666
Bed Occupancy Percentage	79%	79%	81%	80%
Out Patient				
Total No. of New Cases treated	199832	196119	223973	228888
Total No. of Old Cases treated	139518	152760	167552	165923
Total No. of Out Patients treated	339350	348879	391525	394811

- ✓ Does the hospital display charges levied for the paid services? : Yes
- ✓ Are the names of the faculty and their field of specialization displayed prominently in the hospital? : Yes
- ✓ Is pictorial representation of the various areas of the hospital displayed in a manner to be understood by illiterate patients ? : Yes
- ✓ Is there a prominent display of ante-natal, mother and child health care facilities ? : Yes

How does the hospital ensure dissemination of factual information regarding rights, responsibilities and the health care costs to patient and the relatives/attendants ?

1. Citizens charter
2. Handouts
3. Information desk
4. Institution Website
5. Feedback form

6. Complaints redressal forum
7. Patient Welfare committee

How does the hospital ensure that proper informed consent is obtained ?

The standardized informed consent prepared and kept in the all IP wards. Before admitting the patients, the physician clearly explained about risk and benefits of admission and it individual informed consent obtained from the patients and their attendees.

Does the hospital have well-defined policies for prevention of hospital-acquired infections ? :

Yes

Does the hospital have good clinical practice guidelines and standard operating procedures ? :

Yes

Does the hospital have effective systems for disposal of bio-hazardous waste ?

Yes

How does the hospital ensure the safety of the patients, students, doctors and other health care workers especially in emergency department, critical care unit and operation theatres? Are the safety measures displayed in the relevant areas ?

1. The hospital infection control committee (HAICC) continuously does environmental and water surveillance, educates the students and faculty regarding the safety precautions.

2. It continuously audits the health care practices of the hospital, makes necessary modifications and updates the health care system periodically to ensure the safety and wellbeing of the patients.

3. The hospital has separate committees such as medical audit committee, clinical audit programmes, pharmacovigilance, blood transfusion committee, biomedical waste management system, surveillance activities, free vaccination of health care workers, post exposure prophylaxis programmes etc.

Yes, posters that contain bundle care guidelines, hand hygiene guidelines, biomedical waste management guidelines and instructions with helpline numbers in case of needle stick injury are displayed in the relevant areas.

How are the Casualty services/Accident and Emergency Services organized and effectively managed ?

- ✓ Emergency department has well planned infrastructure with necessary equipments. It is functioning round the clock with qualified doctors, staff nurses and other administrators. All personnel are trained in handling emergencies.
- ✓ The institution has following the standard operating system as per international guidelines.
- ✓ Road Traffic Accident (RTA) patients will be managed as per protocol provided by Brigham's and women's hospital, Boston, USA.
- ✓ Cardiac emergencies are managed as per American Heart Association (AHA).
- ✓ Other common medical emergencies were managed as per standard protocol.
- ✓ Emergency department organization has divided in to pre hospital care and emergency department care.
- ✓ Once patient come to the emergency department, initial triaging will be done according to Canadian Triage System. Initial resuscitation and emergency care will be provided by emergency physician / casualty medical officer. After resuscitation patient may be admitted under corresponding medical (ICU) / surgical unit (SICU) as per need assessment.

Whether the hospital provides patient friendly help-desks at various places. Yes

Does the hospital have medical insurance help desk ? : Yes

What are the other measures taken to make the hospital patient friendly ?

1. Periodical education, training and assessment of faculty, students, nurses and all other health care workers to maintain medical professionalism and their by the hospital is made as patient friendly
2. The has special provisions for intellectually and physically disabled patients
3. Priorities are given to children, pregnant women, elders and disabled persons at OP section, diagnostic divisions and pharmacy.

How does the hospital achieve continuous quality improvement in patient care and safety?

- ✓ Wide spectrum of medical specialties and super specialties
- ✓ Round the clock service from experienced doctors, staff, nurses and paramedics
- ✓ Emergency care unit

- ✓ Large blood bank
- ✓ Round the clock laboratory facility
- ✓ 24/7 Radio diagnosis
- ✓ 24/7 pharmacy
- ✓ 24/7 ambulance availability
- ✓ Consultation and minor treatments free of charge
- ✓ Sophisticated treatments and surgical procedures at concessional rates to all
- ✓ Free medical diagnosis and treatment with free food and transportation to the ailing villagers in the surroundings

What are the measures available for collecting feedback information from patients and for remedial actions based on such information ?

1. Suggestion boxes are prominently placed in hospital premises to encourage the patient feedback.
2. Feedback forms are distributed periodically among the IP and OPs.
3. They are reviewed periodically by IQAC and remedial measures are instituted.

How does the institution ensure uniformity in treatment administered by the therapists ?

The institution ensure uniformity in treatment by the following means -

1. The institution follows standard treatment protocols. The activities are monitored by clinical audit committee.
2. The report of the committee is discussed in clinical and death audit meeting.
3. The minutes of the meeting and recommendation are implemented.
4. Institution has antibiotics policy and implementation is monitored by infection control committee.

Does the institution conduct any orientation training program for AYUSH based para-medical staff ?

The institution is covered by medical council of India, which does not recommend AYUSH based programmes. Hence, the institution has not employed AYUSH based paramedical staff.

4.2.2 What specific features have been included for clinical learning in the out-patient, bedside, community and other clinical teaching sites?

Orientation programme are given to the students where students are trained professionally to handle the patients with empathy, compassion and respect. Credits are awarded for adopting them during clinical training, demonstrated while conducting regular bedside teaching programmes and assessed during university practical examinations so as to ensure holistic care. Community training is provided as part of curricular and co-curricular component from the first year to till the completion of his/her course. Log books are used to assess their performance at the time of internship.

4.3 LIBRARY AS LEARNING RESOURCES

4.3.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been implemented by the committee render the library student/user friendly?

- ✓ The Library has advisory committee.
- ✓ This committee is headed by the Dean of Medical college as Chair person and members from pre-clinical, para-clinical, surgical and Medical specialties. A senior professor is nominated as the coordinator.
- ✓ The committee meets once in 3 months. They look in to user register, purchase, proposals submitted by departments, technical issues, financial aspects, requirements, statistics, arrival of journals, it monitors misplacement of books, allocation of works, and administration matters including library environment. It also attends to the proposals submitted by the departments and deficiencies pointed out by the users. It considers the policy matters regarding purchase, issue of books and journals, and financial matters. .

4. 3. 2 Provide details of the following:

S .no	Area	Capacity
1	Total area of the library (in Sq. Mts.) –	2515.91 Sq.mts
2	Reading room for students- Inside	150
3	Reading room for students – Outside	150
4	Faculty Reading room	30
5	Journal Reading room	30
6	Browsing section	40
7	E-Library	04
8	Audio visual section.	25

Working hours (on working days, on holidays, before examination, during Examination, during vacation):

Working hours: 8.00 am to 8.00 pm- on all days with 8.00 am to 2.00 pm on Sundays and Public holidays-

Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources): –

Sections	Area (Sqms)
----------	----------------

<u>First Floor</u>	
Journals Section –	108.38
Browsing Center with 40 terminals	99.67
Reading room for Staff –	76.53
Reading room for Students (seating capacity 150 Nos).	1259.00
Binding Section / Daftaries Room	11.62
Technical Section cum Library staff room	24.74
Photocopy section	12.40
Digital Library	11.62
Librarian	23.26
Deputy Librarian	11.76
Second Floor	
Outside Reading room	279.55
For own book reading (seating capacity 150 Nos).	
Microfilm Reading room	85.49
Conference room / Skill Lab	83.94
E-Library	57.17
Audio Visual room	77.05

Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection: Yes- All are provided.

List of library staff with their qualifications:

S.No	Name	Designation	Qualification
1.	Mr. B.Sasikumar	Librarian	B.Sc., MLIS, M.Phil.,PGDCA.,
2.	Mr. N.Jayaprakash	Deputy Librarian	B.com, MLIS , M.Phil
3.	Mrs. S. Meenakshi	Documentalist	M.Com., B.Ed., MLIS., M. Phil
4.	Mrs. R. Vijayalakshmi	Cataloguer	B.A, MLIS, M.Phil, PGDCA
5.	Mrs. S.MargaretMalakodi	Library Assistant	M.A., MLIS.,
6.	Mr. R. Prakatheswaran	Library Assistant	Hsc., CLisc
7.	Mr.P.Ranjith Kumar	Library Assistant	B.A., B.Ed., MLIS.,
8.	Ms.R.Sutha	Library Assistant	B.Com. MLIS.,
9.	Mr. B.PrinceNesakumar	Daftarries	H.Sc
10.	Ms. K.Sumathi	Daftarries	HSC
11.	Mrs.S.Josphine	Peon	HSC
12.	Mrs.Ambeswari	Peon	HSC

4.3.3 Give details of the library holdings : Print (books, back volumes, theses, journals)

	Books	Number
1	Total No. of Books	13937
Central Library Books		
2	No. of Books	1160
3	No. of Titles	9000
4	No. of Text Books	10260
5	No. of Reference Books	1100
6	No. of issued to Department Library	2507
7	Average number of books added during the last three years Print (books, back	2800

	volumes, theses, journals) :	
8	Non print (microfiche, AV)	Microfiche materials are replaced currently by other electronic means Electronic (e-books, e-journals)
9	CD-ROM and DVD-ROM	792
10	E-Journals through a consortium arranged by The Tamil Nadu Dr.MGR Medical university	
11	Special collections (e.g. text books, reference books, standards, patents):	
12	No. of Text Books	10260
13	No. of Reference Books	1100
14	Question bank:	Yes

4.3.4 To what extent is ICT deployed in the library? Give details with regard to:

Library automation:

- ✓ The library has in-House software (eLIMS), which operates on windows 2000 server Oracle with J2EE. The software has excellent operational modules for transaction, query, administration, reporting, search etc.,
- ✓ The library provides Online Public Access Catalogue (OPAC) facility for easy search for the faculty, residents, scholars and students. An OPAC has been created and 2 terminals are provided for easy access.
- ✓ The users can operate the catalogue system through intranet facilities.
- ✓ The library has intercom facility.

Total number of computers for general access

1. Browsing centre 40
2. Library server 01
3. Issue/Return & Enquiry 02
4. Digital Library 04
5. Librarian 01
6. Deputy Librarian 01
7. Skill Laboratory 03
8. E-Library 02
9. Total 54

Total numbers of printers for general access

- ✓ Canon Printer-IR 3225 High speed machine
- ✓ HP Laser Jet 1020 plus printer

Internet band width speed □ 2mbps □ 10 mbps □ 1 GB

- ✓ 20 mbps speed

Institutional Repository

- ✓ Back volumes of journals
- ✓ M.D Thesis copies
- ✓ Conference materials

Content management system for e-learning

- ✓ The faculty members are trained to register their e-mail id for their interested journals and get contents of the journals for e-learning

Participation in resource sharing networks/consortia (like INFLIBNET)

- ✓ E-resources from the Tamil Nadu Dr.MGR Medical University Consortium

4.3.5 Give details of specialized services provided by the library with regard to

- ✓ Manuscripts- Photo copies of manuscripts are provided ON REQUEST.

Reference

- ✓ Lending Services
- ✓ Reference Service
- ✓ Internet services
- ✓ E-mail Services
- ✓ CD - ROM Access
- ✓ E-Journal Access
- ✓ Video Library
- ✓ Bibliographic Services
- ✓ Library Orientation Services
- ✓ Reprographic Service
- ✓ Preservation of Books and Journals
- ✓ Conference Alert Service
- ✓ Referral services / User orientation /Information on Library science
- ✓ Reprography / scanning : Photocopy and scanning facilities available at free of cost
- ✓ Inter-library Loan Service : Not available
- ✓ Information Deployment and Notification : Information given from the office of the Dean are displayed in the Notice Board of the Library as well as displayed in the reception center
- ✓ OPACS : The library provides Online Public Access Catalogue (OPAC) facility for easy search for the faculty and students.

- ✓ Internet Access : Internet access available at browsing centre of the library for students , residents and faculties
- ✓ Downloads : Download services are provided
- ✓ Printouts : Printout services are provided
- ✓ Reading list/ Bibliography compilation : Bibliography services are provided
- ✓ In-house/remote access to e-resources : Yes, in-house e-resources are available,
- ✓ **User Orientation:** Lecture method –during orientation program conducted for MBBS and MD students. Skill training and hands on training in the library is provided.
- ✓ **Assistance in searching Databases:** Users are provided technical assistance and support for searching databases
- ✓ **INFLIBNET/HELINET** : Not available

4.3.6 Provide details of the annual library budget and the amount spent for

Purchasing new books and journals - For the Year 2016

S. No	Contents	Amount in Rs./
1	Books	Rs. 5,00,000.00
2.	Journals	Rs.24,00,000.00
3	Medical Database (E-Journals)	Rs.3,60,000.00
4	Binding	Rs. 50,000
	Total	Rs. 33,10,000-/-

4.3.7 What are the strategies used by the library to collect feedback from its users? How is the feedback analyzed and used for the improvement of the library services ?

- ✓ The library has a suggestion box
- ✓ The box is opened every Monday and the suggestions are put forth to the library committee
- ✓ Appropriate measures are taken

4.3.8 List the efforts made towards the infrastructural development of the library in the last four years.

- ✓ Additional cupboards are bought for display of books
- ✓ Additional computers are added
- ✓ More space is provided.

4.4 IT Infrastructure

4.4.1 Does the institution have a comprehensive IT policy with regard to:

- 1) IT Service Management

Yes, Separate IT qualified persons are employed to enforce the IT policies as recommended by Committee for monitoring IT.

2) Information Security

- ✓ Sharing passwords is prohibited.
- ✓ Tampering with the files or data of others is prohibited.
- ✓ Changing system configuration is prohibited.

3) Network Security : Yes.

- 4) Provision of IT facilities for faculty, residents, students and patients in the hospital and college campus.
- 5) Committee for monitoring IT policy: This committee meets periodically and looks into the functioning status, utilization aspects, requirements and feedback. Then it provides recommendations and suggestions which are implemented so as to enforce IT friendly environment.

6) Risk management

Risk management is an integral part of day to day management and quality improvement at all levels by considering several measures which include uninterrupted power supply, parallel servers for data mirroring, maintenance of data at other locations , air conditioned environment in server room , and restricted entry into the server room.

Risk Level	Risk Description
High	The loss of confidentiality, integrity or availability could be expected to have a severe or catastrophic adverse effect on organizational operations, organizational assets or individuals.
Moderate	The loss of confidentiality, integrity, or availability could be expected to have a serious adverse effect on organizational operations, organizational assets, or individuals.
Low	The loss of confidentiality , integrity , or availability could be expected to have a limited adverse effect on organizational operations, organizational assets , or individuals

a) Software Asset Management:

- ✓ It is a policy of the institution to respect all software copyrights and license agreement terms/conditions that apply to institutions owned software installed on institution and non institutions owned IT facilities.
- ✓ IT facilities purchased with research and /or consultancy funds remain the property of the institution and are treated as institution owned IT facilities.
- ✓ Users should not duplicate any licensed software or related documentation for use.
- ✓ Users should not give licensed or copyrighted software to any external parties.

- ✓ Users should use software on local area networks licensing servers or multiple machines only in accordance with the prevailing software agreement.

b) Open source resources

- ✓ The rules and principles of the open source policy is followed in the utilization of open source software
- ✓ Institution avoids lock in of proprietary IT products and servers.
- ✓ Institution uses products for interoperability that support, open standards and specifications in all future IT development.
- ✓ Institution actively encourage the exploration of open source software solutions and data bases like MedScape, PubMed Central , BioMed Central, etc. in all areas application.

c) Green Computing

The institution encourages the purchase of liquid crystal display monitors rather than cathode-ray-tube monitors. The institution also encourages usage of laptop/ notebook computers rather than desktop.

It is the policy of the institution to :

- Conserve Energy :
- Users turn off the computer and / or peripherals when they are not in use.
- Users do not use screen saver.
- Users turn off the computer when not in use by putting the computer in sleep mode.
- Users are advised to reduce paper consumption by sending or the data through e-mail and print documents only when absolutely necessary
- Users use two-sided printing options and set the printer to print in black and white as default.
- Users avoid printing nonessential photos when printing documents.

4.4.2 How does the institution maintain and update the following services ?

- Hospital Management Information System (HMIS)
- Electronic Medical Records System (EMR) : Not yet initiated
- Digital diagnostic and imaging systems including PACS : Not yet started

4.4.3 Give Details of the institutions computing facilities i.e. hardware and software.

Particulars	Numbers and remarks
Numbers of systems with individuals configuration	545
Computer – student ratio	1:5
Dedicated computing facilities	Provided

Wifi facilities	Provided
LAN Facilities	Provided
Proprietary software	YES (Eg: Patient Management software , Student information system, Statistical software, GPS software , ERP system etc.,)
No. of nodes/ computers with internet facilities	410
Any other please specify	ICT Enabled Campus

4.4.4 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

Institution will continue to invest in and enhance server and new strategy to improve the capacity, flexibility and capability to reliably and securely deliver IT solutions. It will also continue to develop technology to facilitate access to IT services across a range of technology platforms.

4.4.5 Give details on access to online teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching learning and research

Use of Student Management system to access class schedule student scores, grades etc Subscription to full text electronics journals. Online lecture capture system to provide students with campus wide access to lecture materials

S. no	Name of the Subject	Online web resources and their links
1	Anatomy	http://www.anatomyarcade.com/ http://www.imedicalapps.com/2013/01/bonebox-skull-viewer-app/
2.	Physiology	http://www.biomanbio.com/GamesandLabs/Physiogames/physiology.html
3.	Obstetrics and Gynecology	http://obgyn-101.org/ http://ogbynmorninggrounds.com/
4.	Bio-Chemistry	http://www.wiley.com/college/boyer/047003790/animation.html
5.	ENT	http://quizlet.com/62176/ch-17-otorhinolaryngology-flash-cards/ http://quizlet.com/13765699/ent-medical-student-flash-cards/ http://itunes.apple.com/app/ent-for-students/id516004440?mt=8

6.	Pathology	http://www.mhhe.com/biosci/genbio/virtual_labs/BL_13/BL_13.html http://www.virtualpathology.leeds.ac.uk/teaching/ http://www.theonlinelearningcenter.com/free-medical-games/PATH002/pathology.html http://www.wisc-online.com/objects/ViewObjects.aspx?ID=RAD504
7.	Nursing	http://inet-nurse.org/?p=457 http://www.designingdigitally.com/portfolio/simulations/trauma-unit-nurse-training-simulation
8.	Free Medical apps for Iphone or Android devices	http://mmc.libguides.com/content.php?pid=276180&sid=2339214

4.4.6 What are the new technologies deployed by the institution in enhancing student learning and evaluation during the last four years and how do they meet new/future challenges?

- ✓ Medical college and Hospital has a next level of technology interface i.e., multiple interface and multiple login ID's
- ✓ Implementations of Students Information System to make it easy for the students to access academic related reports , college details and course details testing and placement information , assignments etc using their own login ID's from anywhere.
- ✓ Provision of broad band connectivity to all units by combination of fiber optic cables and wireless technologies.
- ✓ Integration of cloud computing.
- ✓ Electronic journal for the integration of technology in education.

4.4.7 What are the IT facilities available to individual teachers for effective teaching and quality research?

- ✓ Laptops with internet facility for faculty members
- ✓ Specific storage space on the server for faculty
- ✓ Multi- level firewall system for protecting research projects / activities.
- ✓ Staff and Students portal providing access to learning and administrative services.
- ✓ Individual login ID's to access internet for research activities.

4.4.8 Give details of ICT enabled class rooms / learning spaces available within the university? How they utilized for enhancing the quality of teaching and learning?

Yes, the institute has 5 lecture halls and 16 demonstration halls which are ICT enabled. The ICT enabled class rooms are utilized by the respective department's on daily basis for large group and small group teaching, seminars, mentor programmes etc..

Electronic boards are available for teaching and learning purposes

4.4.9 How are the faculty assisted in preparing computer aided teaching learning materials? What are the facilities available in the institution for such initiatives?

There is a designated computer operator in every department who assists the faculty in preparing teaching materials.

Technicians are available for lecture halls, who ensure functioning status of ICT.

4.4.10 Does the institution have annual maintenance contract for the computers and its accessories ?

The institution has Annual maintenance contracts with reputed computer companies which help in maintaining the computers and accessories.

4.4.11 Does the institution avail of National Knowledge Network connectivity? If so what are the services availed of?

- ✓ Institutions is connected to national knowledge network
- ✓ Institution has availed internet connectivity and campus LAN project under MHRD scheme.

4.4.12 Does the institution avail of web resources such as Wikipedia , dictionary and other education enhancing resources ? What are its policies in this regard?

Yes.

4.4.13 Provide details on the provision made in annual budget for the update, deployment and maintenance of computers in the institutions

S. No	Facilities	Annual expenses
1	Computers and Accessories	3000000
2	Wi-Fi	1000000
3	Networking	1500000
4	CCTV	800000
5	Electronic Board	180000
6	IT Staff salary	600000
7	Maintenance	900000

4.4.14 What plans have been envisioned for the gradual transfer of teaching and learning from closed institutions information network to open environment?

The power point presentations of common topics which is of interest to other students are uploaded in the institution website for open access.

4.5 Maintenance of Campus Facilities

4.5.1 Does the institution have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories ? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Yes, an estate office with engineering team works to keep, restore or improve all the buildings, class rooms and laboratories.

4.5.2 How are the infrastructure facilities, services and equipments maintained ? Give details.

- The Infrastructures facilities repair and service works are carried out as day to day repairs/service facilities, Annual repairs including preventive maintenance and Special repairs
- The operation and maintenance of the AC Plant, Power House, DG Sets, Medical Gas Manifold, RO Plant, Sewage Treatment Plants and water supply are monitored Engineering Services Departments.
- The equipments in the laboratory, OT complex, ICU complex and radiology departments are maintained and serviced by Bio Medical Engineering Service Departments.

4.5.3. Has the institution insured its equipments and buildings? :

Yes

CRITERION V: STUDENTS SUPPORT AND PROGRESSION

Summary

The institution firmly believes that students are its major concern and evince interest, in their personality development. It helps to maintain the traditional values of discipline, respect and sincerity in all their endeavours.

- ❖ The institution is continuously attracting students across all communities with gender equity.
- ❖ The institution offers scholarships, fee waiver schemes and teaching and research assistance to deserving students.
- ❖ Medals and prizes are awarded to rank holders.
- ❖ Remediation is offered for the needy students.
- ❖ Counseling is provided to the students by the mentor and a professional counselor.
- ❖ Intramural sports, youth programmes and cultural competitions are organized annually.
- ❖ Students are actively participating in YRC and Yoga activities.
- ❖ Feedbacks from students provide valuable inputs for improving various support services.
- ❖ The UG and PG examination results are good with a pass percentage of 95% in UG and 100% in PG.
- ❖ Large number of students participates in academic and research programmes to widen their intellectual horizon.
- ❖ Every year UG students are actively participating in short term studentship (STS) sponsored by ICMR. So far, 78 ICMR- STS projects were approved and sanctioned were implemented.
- ❖ An exclusive research cell with faculty motivates the students and faculty members to take up various research projects.
- ❖ Students actively involved in research and publish papers in reputed journals.
- ❖ A field oriented awareness and health camps are organized exclusively for under graduate students by the Department of Community Medicine.
- ❖ Students are motivated to participate in the national and international days like World AIDS day etc.
- ❖ Parents – Teachers meeting are organized periodically.

CRITERION V: STUDENTS SUPPORT AND PROGRESSION

5.1 STUDENT MENTORING AND SUPPORT

5.1.1 Does the institution have a system for student support and mentoring? If yes what are its structural and functional features?

Yes, the institution has student support and mentoring system. Each faculty member mentor a group of 5 to 10 students and is responsible for their academic and social needs on and off the campus. The mentor is expected to:

- ✓ Monitor and collect information regarding their wards academic performance.
- ✓ Discuss the information with HOD/Dean and take appropriate action wherever necessary.
- ✓ Inform the parents the progress and well-being of the student.
- ✓ Refer students in need of counseling to experts.

5.1.2 Apart from class-room interaction, what are the provisions available for academic mentoring?

- ✓ Internal assessment is carried out to ensure continuous learning and assessment.
- ✓ Special classes are conducted for students of low academic performance.
- ✓ Parents are apprised of their ward's progress periodically.
- ✓ Seminars and quiz programs are organized to motivate and strengthen knowledge on specific subjects.

5.1.3 Does the institution have any personal enhancement and development schemes such as career counselling, soft skills development, career-path identification, and orientation to well-being for its students? Give details of such schemes.

Career counseling:

The graduate and post graduate students opt generally for self-employment or further studies and hence there is no role for placement cell. The guidance is given by senior faculty for higher education and/ or training.

Soft skills development and orientation to well-being of students:

- ✓ Motivational and inspirational lectures by role models, achievers, on various relevant topics.
- ✓ Mentor system and counseling.
- ✓ Yoga and meditation sessions, participation in celebration of important national and international events.
- ✓ Cultural activities.

Career path identification:

- Deputation of students to participate in seminars / symposia / workshops / conferences at other institutions.

- Encourage the students to undertake ICMR-STs projects and management sponsored projects to develop a spirit of enquiry and research.
- Address by senior faculty on career options, opinions, global trends, expectations and future.

5.1.4 Does the institution have facilities for psycho social counseling for students?

Yes. A qualified student counsellor provides professional counseling for groups and individuals. Students in need of counseling are directed to meet the counsellor by HOD/faculty. Parents of students are also involved if needed.

Strategies followed include problem identification, intervention (identification of cause) and giving suitable remedial counseling. Confidentiality is maintained with consent and records.

5.1.5 Does the institution provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes. The institution helps the students to obtain loans from banks by providing them the necessary documents.

5.1.6 Does the institution publish its updated prospectus and handbook annually? If yes, what are the main issues/activities/information included/ provided to students through these documents? Is there a provision for online access?

- ✓ Yes, prospectus and handbook are published annually.
- ✓ The institution website provides information regarding the infrastructure, facilities, departments, awards, recognitions etc and is updated regularly.

5.1.7 Specify the type and number of institution scholarships/free ships given to the students during last 4 years. Was financial aid given to them on time? Give details.

- ✓ The College encourages and facilitates the students to apply for government scholarships available for various categories such as backward classes, reserved classes and economically weaker sections.
- ✓ Cash awards are given by the individual departments to motivate the students who are meritorious in the University examinations.

5.1.8 What percentage of students receive financial assistance from state government, central government and other national agencies?

- ✓ 31 students received scholarship from Adi-Dravidar scheme.
- ✓ 84 students received scholarship from State government schemes.

5.1.9 Does the institution have an International Student cell to attract foreign students and cater to their needs?

No overseas student is admitted in the institution.

5.1.10 what types of support services are available for Overseas students.-

There is no support service as there is no overseas student.

Physically challenged/differently-abled students- The physically challenged students have barrier free access to almost all areas of the campus with well paved roads, ramps, elevators etc. The students and faculty are sensitized to help needy students.

Students participating in various competitions/ conferences in India and abroad.

- ✓ Guidance by teachers, mentors and peers on academic interaction / participation / assistance in the preparation of posters and research articles.
- ✓ Orientation programs to PG students at various stages of their academic programs especially, regarding dissertation work, micro teaching, journal club, publications etc.
- ✓ Special permission to participate in competitions and tournaments during college hours.
- ✓ Additional coaching and sports kits and travel support.
- ✓ Awards, certificates, medals and shields to the winners.

S. No	Name of the student	Program	Prize awarded
1.	Ms. Aiswarya	Anatomy-Versalius Quiz	Second
2	Ms. Samanivita & Group	Anatomy-Versalius Short film competition	First
3	Ms. Vinodhini	Physiology- National level- Association of Physiologists, TN Oral presentation award	Second
4	Mr.MohammedMarzuk	Physiology-National Level Best oral presentation – PSG IMSR Institute	First
5	Dr.B.Anantha Lakshmi (PG Student)	Physiology-Best Oral Presentation- Stanley Medical College on Topic Reproductive Physiology	First
6	Dr. Monica (PG Student)	Pathology- Best Poster presentation- State level-Chengalpattu Medical College	First
7	Mr P.K. Balaji	Clinico-pathological case presentation- State level-Chengalpattu Medical College	First
8	MrA.Karthikeyan Mr Jeffrey Ashiq	Path-quest 2016- State level-Tanjore Medical	First

	Mr.MohammedMarzuk	College	
9	MsD.Priyanka	Microbiology, Community Medicine- Filariasis- National Level- Best oral presentation- ICMR	First
10	MsAnanditha&Mr Vishal Vijayakumar	Microbiology-National Level Best Poster –Infection Control Practices, Hyderabad	First
11	MrRamkumar, MrSanthosh Pandey	Microbiology- State level- Best Video presentation – Hand Hygiene- KAPV Medical College	First
12	MsAbiSarani. MsShenazFathima, MsJeya Vishnu Priya	Microbiology- State level- Best Model Award - KAPV Medical College	Second
13	Mr.MohammedMarzuk Mr Raja Ram MsSugapradha	Community Medicine- National Level-Quiz Competition- Diabetes	First
14	MsLavanya, MrKarthik	Community Medicine- International level- Poster presentation- Environmental & Health	Second

Health centre, health insurance - The institution takes cares of any illness/discomfort to students by prompt admission, special care, specialist opinion etc.

Skill development (spoken English, computer literacy, etc.)

- ✓ Opportunities are provided for PG students to practice newer technologies and acquire professional skills.
- ✓ The PG curriculum enables students to present seminars using multimedia and learn recent trends in the field through e-resources.
- ✓ The central library has an exclusive computer centre with internet facility.
- ✓ E-learning centre is open for students from 8am to 8 pm on all working days.

Performance enhancement for slow learners. The mentor identifies suitable measures to improve the performance of slow learners by,

- ✓ Organizing extra classes,
- ✓ Emphasizing on the ‘must know aspects’,
- ✓ Organizing additional internal assessment tests,
- ✓ Informing parents and discussing with them regarding their wards performance.

Exposure of students to other institutions of higher learning/ corporate/ business houses, etc.

Students participate in conferences, workshops and CME conducted in various institutions

Publication of student magazines, newsletters.

5.1.11 Does the institution provide guidance and/ or conduct coaching classes for students appearing for competitive examinations (such as USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS)? If yes, what is the outcome?

Most of the students either opt for higher education or get into private practice. Students prefer competitive examinations for other jobs.

5.1.12 Mention the policies of the institution for enhancing student participation in sports and extracurricular activities through strategies/schemes such as Additional academic support and academic flexibility in examinations, Special dietary requirements, sports uniform and materials. Any other (specify)

- ✓ The students have been participating in extra-curricular activities and recreational activities actively.
- ✓ Sports facility: Well developed indoor and outdoor sports facilities for Basket Ball, Cricket, Volley Ball, Hockey, Foot Ball, Kabaddi, Kho kho, Badminton, Carrom, Table tennis etc. Ground with athletic track is also available for all athletic activities.
- ✓ Well qualified physical director monitors the sports budget, material, coaching, training, etc.
- ✓ The institution encourages participation at intra and inter university levels and national level sports activities.
- ✓ The Director of Physical education coordinates travel and security support.
- ✓ Winners are honored by awards, certificates, medals and shields.
- ✓ Cultural coordinator arranges and coordinates cultural, literary, theatre, fine arts events; Annual day celebrations; inter collegiate / zonal / university / inter university / State / National level competitions.
- ✓ Students participate in NSS and extension activities
- ✓ Literary club, Eco club, Fine arts club etc. are some of the clubs with regular activities.

5.1.3 Does the institution have an institutionalized mechanism for student placement? What are the services provided to help students identify job opportunities, prepare themselves for interviews and develop entrepreneurship skills?

1. The institution does not have any student placement programmes.
2. However the institution conducts carrier guidance programmes which enables medical students / graduates to identify job opportunities, molds them for appearing interview committees, and trains them for post graduate courses.

3. Skill development programme is part and parcel of teaching and training.

5.1.14 How does the institution provide an enriched academic ambience for advanced learners?

- ✓ The central library has 13,831 books, 101 journals, and a number of online journals. Most of the prescribed text books are available.
- ✓ Computers with internet facility for web-based learning.
- ✓ Opportunities for PG students to practice newer technologies and acquire professional skills.
- ✓ The PG curriculum enables students to present seminars using multimedia and learn recent trends in the field through e-resources.
- ✓ E-learning centre is open for students from 8am to 8 pm on all working days.
- ✓ The mentor/ senior faculty encourages students regarding various educational programs and opportunities available.
- ✓ Participation in Research Methodology workshops.
- ✓ Guest lecturers related to recent advances and, global trends and for motivation.
- ✓ Awards and rewards honoring the worthy and deserved students. Motivation certificates for advanced learners.
- ✓ Permission to use clinical material, resources, diagnostic and research facilities as per need.
- ✓ Encouragement to participate in seminars / symposia / workshops / conferences and present papers / posters.

5.1.15 What percentage of students drop-out annually? Has any study been conducted to ascertain the reasons and take remedial measures?

Less than 1% students drop-out annually and are usually due to their personal issues.

5.1.16 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years)

Not applicable

5.1.17 Does the institution have a registered Alumni Association? If yes, what are its activities and contributions to the development of the institution?

Yes. The alumni meet once in a year and suggest ways and means to further develop the institution.

5.1.18 List a few prominent alumni of the institution.

Only two batches have come out and many of them have started their postgraduate courses

5.1.19 In what ways does the institution respond to alumni requirements?

Responds fully depending upon the requests.

5.1.20 Does the institution have a student grievance redressal cell? Give details of the nature of grievances reported. How are they redressed?

- ✓ The college has a student grievance redressal cell to redress the grievances of the students.
- ✓ The students approach the cell on issues relating to accommodation, academic matters, financial matters, health services, library, transportation and other grievances.
- ✓ The Dean redresses the grievances of the students as and when required. As a result there exists a pleasant ambient in the institution.

5.1.21 Does the institution promote a gender-sensitive environment by (i) conducting gender related programs (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

YES, Gender harassment cell is constituted based on the guidelines advocated by the Supreme Court of India.

GENDER RELATED PROGRAMS

- ✓ Women's Day celebration.
- ✓ Mechanisms to deal with sexual harassment:
- ✓ Special attention to safety and provision of security for women- Security 24 x 7, CCTV surveillance, restricted and protected security entrance, street lights
- ✓ Exclusive hostels for women
- ✓ Adolescent issues, women health issues are attended.
- ✓ Student counselor undertakes personal and psycho-sociological counseling exclusive for women students.
- ✓ Sports facilities

5.1.22 Is there an anti-ragging committee? How many instances, if any, have been reported during last four years and what action has been taken in these cases?

Anti-ragging committee is established as per MCI and UGC guidelines. No ragging incidents had been reported during the last 5 years.

5.1.23 How does the institution elicit the cooperation of all its stakeholders to ensure the overall development of its students?

Parents as stake holders:

- ✓ Orientation program after admission regarding regulations and other policies is conducted.
- ✓ Intimation on co-curricular activities.
- ✓ For slow learners their academic performances are intimated to parents through telephonic and SMS services.

Industry as stake holders:

- ✓ By involving them in workshops

Community as stake holders:

- ✓ Community awareness programs
- ✓ Interaction with public, community leaders during rally and screening camps.

Faculty and other staff's as stake holders:

- ✓ They are involved in day to day conduct of programs and ensure their effective implementation.
- ✓ Motivating students in participation of cultural, sports and other extra-curricular activities.

5.1.24 How does the institution ensure the participation of women students in intra-and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

- ✓ All women students of this college participate in both cultural and sports activities.
- ✓ Travel and security is provided for women students while participating in events of other institutions.
- ✓ Additional coaching is given for women students if required.

5.1.25 Does the institution enhance the student learning experience by providing for rotation from the teaching hospital to the community and district hospital during the internship period?

- ✓ Yes, the institute has set up a rural health care centre in Sangenthi and an urban health care centre in Samayapuram to enhance the learning experience at community level.
- ✓ All the UG students are periodically posted in both rural and urban primary health centre as part of their clinical training.
- ✓ All interns are posted for 3 months in community medicine and they have opportunity to work and learn in these centers.
- ✓ Students are provided with travel, food and accommodation during their postings.

5.1.26 Does the institution has immunization policy for its students and staff?

Yes, immunization is given for clinical staff and PG students working in the hospital. Hepatitis B vaccine, tetanus toxoid vaccine, Influenza vaccine are administered.

5.1.27 Does the institution give thrust on students growth in terms of:**Physical development**

- ✓ State of art tennis, Volley ball, basketball courts, athletic tracks, indoor sports facility.
- ✓ Qualified, full time physical director.
- ✓ Yoga centre with instructors
- ✓ Encouragement to participate in competitive sports at collegiate, inter collegiate, state and national levels.

Emotional control:

- ✓ Counseling-personal, group, socio-physiological
- ✓ Motivational lectures
- ✓ Meditation sessions
- ✓ Mentor –mentee practice

Social dimension:

- ✓ Components of sociology, demography, social work, environment
Community health in curriculum.
- ✓ Participation in extension and outreach activities at institutional level
(school-village camps)
- ✓ Organization and celebration of national and International days and
festivals.
- ✓ YRC activities- cleanliness, No to plastic/tobacco, Swach Bharat Abhiyan.
- ✓ Organization/participation in National/international/ institutional
seminars/symposia/ workshops/ conferences

Spiritual growth:

- ✓ Emphasis on values, ethics, human rights.
- ✓ A temple in the campus, Church adjacent to the campus, and facility for
namaz for students to offer prayers and seek spiritual solace.

5.2 Student Progression

5.2.1 What is the student strength of the institution for the current academic year? Analyze the program wise data and provide the trends (UG to PG, PG to further studies) for the last four years.

Under Graduate Students

MBBS	No. of Student
Final Year	144
III Year	142
II Year	154
I Year	150

Post Graduate Students

Subject	No. of Student
MS Anatomy	3
MD Physiology	3
MD Biochemistry	3
MD Microbiology	2
MD Pathology	2
MD Pharmacology	2

TREND ANALYSIS:

- ✓ There is an increase in the demand supply ratio over the years for both MBBS and MD.

- ✓ Admission to the institution was not done in the year 2015-16 in order to enhance the infrastructure and hospital facilities.
- ✓ More than 50% of the Medical students propose to pursue PG studies through entrance examinations. During the last two years many students enrolled themselves in PG programs at various institutions.
- ✓ There is less aptitude to pursue PhD.

5.2.2 What is the number and percentage of students who appeared/qualified in examinations for Central/State services, Defence, Civil Services, etc.?

Many of students have appeared central government conducted Post graduate entrance test and got admitted to different central and state Govt institutions

Sizeable number has appeared for competitive examinations conducted by MRB of Tamilnadu Govt. and awaiting for their interview date (to be announced by Govt.)

5.2.3 Provide category – wise details regarding the number of post graduate dissertations, Ph.D. and D.Sc. theses submitted/ accepted/ rejected in the last four years.

Postgraduate (MD) Research

S. No.	Department	Name of the student	Title of the research	Year	Guide
1	Anatomy	Dr. P. Mangaiyarkarasi	Computerized tomographic study of morphology of the cranial vault and diploic space in pediatric age group	2016	Dr. SD. Nalina Kumari, Prof. and Head of Anatomy
2	Biochemistry	Dr. N. Navaneetha Lakshmi	A study of relationship of antimullerian hormone in women with normo ovulatory and PCOS	2016	Dr. Kalavathy Ponni raivan, Prof. and Head of Biochemistry
3	Biochemistry	Dr. J. Selvi	A study of metabolic syndrome in Psoriatic patients	2016	Dr. Kalavathy Ponni raivan, Prof. and Head of Biochemistry
4	Biochemistry	Dr. A. Synthiya	Estimation of high sensitivity CRP and lipoprotein (a) in	2016	Dr. Kalavathy Ponni raivan, Prof. and

			COPD		Head of Biochemistry
5	Microbiology	Dr. M. Nivitha	Identification of NFGNB from clinical, environmental samples and detection of imipenem gene from imipenem resistant isolates	2016	Dr. A. Uma, Prof. and Head of Microbiology
6	Microbiology	Dr. J. Meera	Prevalence of leptospirosis in canine and canine pet owners other occupational risk groups	2016	Dr. A. Uma, Prof. and Head of Microbiology
7	Pathology	Dr. V. Monica	Pap smear as a tool for evaluating cervical dysplasia and malignancy–hospital based study	2016	Dr. V. Sarada, Prof. and Head of Pathology
8	Pathology	Dr. N. Sangeetha	Evaluation of breast lump clinically, radiologically, cytologically, histopathologically and IHC correlation	2016	Dr. R. Pramila, Prof. of Pathology
9	Pharmacology	Dr. A. Jegan	A study on the prevalence of vitamin D on the glycemic control and lipid profile in type 2 diabetic mellitus in a rural tertiary care hospital	2016	Dr. S. Manickavasagam, Prof. and Head of Pharmacology
10	Pharmacology	Dr. S. Bhuvaneswari	A comparative study of sitagliptin and vildagliptin on glycemic control and serum lipid levels in type 2 DM in a rural tertiary	2016	Dr. P. Revathi, Associate Professor of Pharmacology

			care hospital		
11	Physiology	Dr. B. Aanantha Lakshmi	Pattern of coagulation profile in patients with trauma	2016	Dr. P. Rajendran, Prof. and Head of Physiology (resigned)
12	Physiology	Dr. D. Niranjana	Pattern of stress, sleep and neurocognitive behavior during different phases of menstrual cycle in young healthy individuals	2016	Dr. Nachal Annamalai, Prof. and Head of Physiology

Doctoral (Ph.D) Research

S. No.	Department	Name of the scholar	Title of the research	Year	Guide
Completed					
1	Physical Education	L. Manivannan	Effect of yogic practices and brisk walking on selected physiological, biochemical and psychological variables among hypertensive men	2015	Dr. R. Elangovan
2	Pharmacology	Lagishetty Radhakrishna	Ecopharmacological study of residues of drugs and determination of antimicrobial resistance from hospital effluents	2016	Dr. N. Prabhusaran
Ongoing					
3	Pharmacology	P. Revathi	Evaluation of antidiabetic, hypolipidemic and antioxidant effects of <i>Bruguiera cylindrica</i> (L.) blume in streptozotocin-nicotinamide induced diabetic rats	Synopsis submitted	Dr. P. Thirumala iKolundu Subramanian

4	Physiology	M. Muhil	Analysis of heart rate variability in organophosphorus poisoning	Work in progress	Dr. P. Thirumala iKolundu Subramanian
5	Physiology	A. Rajesh Kumar	Heart rate variability in patients with snake bite	Work in progress	Dr. P. Thirumala iKolundu Subramanian
6	Anatomy	S. Sasikumar	Morphometrical, histopathological and cytogenetical ameliorating effects of <i>Iodinium suffruticosum</i> extract on nicotine toxicity of the testis of wister albino rats	Work in progress	Dr. Kalavathy Ponniraivan
7	Anatomy	S. Ilavenil	A prospective study of pregnancy outcomes, gross and microscopic placental changes in overweight women and gestational diabetes	Work in progress	Dr. Kalavathy Ponniraivan
8	Microbiology	A.R. Susethira	Prevalence, phenotypic and genotypic detection of carbapenam resistant <i>Klebsiella</i> species and <i>in vitro</i> anti <i>Klebsiella</i> activity of herbal silver nanoparticles	Work in progress	Dr. A. Uma
9	Microbiology	G. Vazhavan dal	Phenotypic and molecular characterization of methicillin resistant <i>Staphylococcus aureus</i> (MRSA) in a tertiary care hospital	Work in progress	Dr. A. Uma
10	Anatomy	Umapathy Sembian	A study of pesplanur in rural Population	Work in progress	Dr. S.D. Nalinakumari

11	Physiology	M. Rajajeyakumar	Borderline gestational diabetes mellitus: implication of early lifestyle intervention on pregnancy outcome and prevention of future risk of type II diabetes mellitus – a multi centre randomized control study	Work in progress	Dr. NachalAnnamalai
12	Physiology	R.A. Sureshbalaji	Effect of pranayama and exercise training on pulmonary functions in children with bronchial asthma	Work in progress	Dr. NachalAnnamalai
13	Physiology	H. Petricia	Study of effect of exercise training on vascular miRNA expression oxidative stress markers, autonomic function, mentation and wellness of obese children	Work in progress	Dr. Venkatramani

Doctoral of Science (D.Sc) Research

Sl. No.	Department	Name of the scholar	Title of the research	Year	Guide
Ongoing					
1	Microbiology	Dr. N. Prabhusaran	Molecular epidemiology of Leptospira from humans and animals and application of bionanoparticles in experimental models	2013	Self

5.2.4 What is the percentage of graduates under AYUSH programs employed in the following? :

Not applicable

5.3 Student Participation and Activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the program calendar and provide details of student participation.

The institution provides facilities and training to the students in sports, cultural, literary and fine arts activities. The student council, the staff advisor and coordinators support and ensure participation of students in various activities.

➤ Spacious ground for track and field events, cricket, football etc.

- Basketball courts with synthetic surface
- Courts for volleyball, shuttle badminton
- Provision of lecture theatres, halls with audio visual systems for cultural and literary activities.
- Lecture theatre with audio visual aids for literary meets.

The annual sports day “SPORTIFA” is organized by the department of physical education every year. The students participate in the inter Medical sports meet, and inter-institutional sports and athletic activities.

S.N	Tournament	Date	Events
1	Sports day- 2011	02/05/2011 to 12/05/2011	Athletics (M&W);Tale Tennis (M&W) ; Chess (M&W) ; Shuttles Badminaton (M&W); Throw Ball(W);Volley ball (M&W) ; Cricket(M) ; Carrom (M&W) ;Foot ball (M) and Basket Ball (M&W)
2	Sports day – 2012	18/04/2012 to 02/05/2012	Athletics(M&W); Table Tennis(M&W) ; Chess(M&W); Shuttles Badminaton(M&W); Throw Ball(W) ; Volley ball(M&W) ; Cricket(M); Carrom(M&W); Foot ball (M) and Basket Ball (M&W)
3	Sports day- 2013	01/05/2012 to 12/05/2012	Athletics(M&W);Table Tennis(M&W) ; Chess (M&W); Shuttles Badminaton(M&W); Throw Ball(W); Volley ball (M&W); Cricket(M); Carrom(M&W);Foot ball (M) and Basket Ball (M&W)
4	SPORTIFA 2014	31/10/2014 to 11/11/2014	Athletics(M&W); Table Tennis(M&W) ; Chess(M&W); Shuttles Badminaton(M&W); Throw Ball(W); Volley ball(M&W); Cricket(M); Carrom(M&W);Foot ball (M) and Basket Ball (M&W)
5	Sports day 2015	01/05/2015 to 11/05/2015	Athletics(M&W);Table Tennis(M&W) ; Chess (M&W); Shuttles Badminaton(M&W); Throw Ball(W) ; Volley ball (M&W) ; Cricket(M) ; Carrom(M&W);Foot ball (M) and Basket Ball (M&W)
6	SPORTIFA 2016	01/05/2016 to 09/05/2016	Athletics(M&W);Table Tennis(M&W) ;Chess(M&W); Shuttles Badminaton(M&W); Throw Ball(W); Volley ball(M&W); Cricket(M);Carrom(M&W);Foot ball (M) and Basket Ball (M&W)

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.

Inter medical Sports Participation State /National level

S.N	Tournament	Date	Venue	Events
1	SPANDAN 2011	September 1 st to 5 th 2011	Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry	Basket ball, Shuttle badminton, Table tennis, Chess
2	Inter medical sports tournament	September 12 th to 17 th 2011	Madras Medical College (MMC), Chennai	Shuttle badminton, Carrom, Chess
3	Inter medical sports tournament	March 15 th to 19 th 2012	Pondicherry Institute of Medical Sciences, Puducherry	Table tennis, Chess, Throw ball, Basket ball
4	Inter medical sports tournament	March 15 th to 19 th 2013	Pondicherry Institute of Medical Sciences, Puducherry	Athletics men and woman
5	Inter medical sports tournament	April 30 th to May 4 th 2013	Stanley Medical College, Chennai	Athletics men and women, Basket ball, Shuttle badminton, Table tennis, Chess, Throw ball
6	Inter medical sports tournament	April 30 th to May 4 th 2014	Stanley Medical College, Chennai	Athletics men and women, Basket ball, Shuttle badminton, Table tennis, Chess, Throw ball
7	Inter medical sports tournament	April 30 th to May 4 th 2015	Stanley Medical College, Chennai	Athletics men and women, Basket ball, Shuttle badminton, Table tennis, Chess,
8	SRM inter medical sports meet	September 5 th to 7 th 2015	SRM Medical College Hospital and Research Centre, Kattankulathur	Athletics men and women, Basket ball, Shuttle badminton, Table tennis, Chess, Throw ball
9	Sports meet	October 11 th to 14 th 2015	Coimbatore Medical College, Coimbatore	Athletics men

10	Inter medical sports tournament	June 9 th to 12 th 2016	Stanley Medical College, Chennai	Athletics men, Swimming, Carrom, Shuttle badminaton, Chess
12	KAPV Medical college sports	20 th to 22 nd oct 2016	KAPV Medical college trichy	Basket ball, Shuttle Badminton, Table tennis, Chess, Throw ball
12	Tamil nadu Dr.MGR Medical University sports meet	5 ^h to 8 th Nov 2016	Madurai Medical college, Madurai.	Basket ball, Shuttle Badminton, Table tennis, Chess, Throw ball, Swimming, Athletics, Foot ball, Carrom

Tamil Nadu Inter Medical Sports Meet Organized By Stanley Medical College, Chennai

(April 30th to May 4th 2013) Athletic results

S. No.	Name of the student	Event	Achievement
1	N. KishanKuzhali	200 meters Triple jump	I place - Gold medal I place - Gold medal
2	S. ShanmugaPriya	Discuss 1200 meters	I place - Gold medal III place - Bronze medal
3	N. KishanKuzhali, R. Menaka, R. Suganya and N. Lakshmi Surya	4* 100 relay	I place - Gold medal
4	N. Laksmi Surya	800 meters Shot put	II place - Silver medal II place - Silver medal
5	R. Suganya	1200 meters 100 meters	II place - Silver medal III place - Bronze medal
6	R. Menaka	400 meters Triple jump	III place - Bronze medal III place - Bronze medal
7	M. P. Arun Kumar	800 meters	II place - Silver medal

8	R. SankaraSubbu	400 meters 100 meters	II place - Silver medal III place - Bronze medal
9	R. SankaraSubbu V. Viswanathan, K K. Vishnu Chakaravarthi and M. Gowri Shankar	4*100 relay	III place - Bronze medal
10	N. KishanKuzhali, R. Suganya, R. SankaraSubbu and V. Viswanathan	4*100 mixed relay	II place - Silver medal
11	N. KishanKuzhali,R. Menaka, R.Suganya,N. Lakshmi Surya, K Rupika, SruthiRoopa andShafeequa Jamaal	Basket Ball Women	I place - Champion

**Inter Medical Sports Meet Organized By
Pondicherry Institute of Medical Sciences, Puducherry : (March 13th to 16th 2013)**

S.No.	Name of the student	Event	Achievement
1	N. KishanKuzhali	100 meters Long jump (Women)	III place - Bronze medal II place - Silver medal
2	N. KishanKuzhali, R. Menaka, R. Suganya and N. Lakshmi Surya	4* 100 relay (Women)	II place - Silver medal
3	R. SankaraSubbu	100 meters (Men)	III place - Bronze medal
4	R. SankaraSubbu, K K Vishnu Chakaravarthi RD. Heshwanth and M. Kabilan	4* 100 relay (Men)	III place - Bronze medal
5	M. Anusha	Chess	I place
6	K. Lokeeswaran	Table tennis	II place

**Inter Medical Sports Meet Organized by
SRM Medical College Hospital and Research Centre, Kattankulathur**

S.No.	Name	Event	Achievement
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1	N. KishanKuzhali	200 meters 100 meters (Women)	II place - Silver medal II place - Silver medal
2	N. KishanKuzhali, R. Suganya, N. Lakshmi Surya S. Divyashri	4* 100 relay (Women)	II place - Silver medal
3	R. Suganya	11500 (women)	III place - Bronze medal
4	S. Lakshmi	400 meters	II place - Silver medal

Inter Medical Sports Meet Organized by : Coimbatore Medical College, Coimbatore

S.No	Name	Event	Achievement
1	Deepak Justin	200 meters 400 (Men)	I place - Gold medal II place - Silver medal

**STANLEA 16" Inter Medical Sports Meet Organized By Stanley Medical College, Chennai
(June 9th to June 12th 2016)**

S. No.	Name	Event	Achievement
1	Ms. N. Divyashree	Triple jump	II place - Silver medal
2	Ms. A. Om Priya	Javelin	II place - Silver medal
3	Ms. Umabarathi	Throw	III place - Bronze medal
4	Ms. M.S. Aswithapriya	800 meters	II place - Silver medal
5	Ms. K. Mangayarkarasi	400 meters	II place - Silver medal
6	Ms. N. Divyashree Ms. A. Om Priya Ms. K. Mangayarkarasi Ms. M. Anushuya	4*100 relay	III place - Bronze medal
7	Ms. P.Sharon Jeyaselvan	Throw	III place - Bronze medal
8	Mr. H.A. Prasanth	400 meters	III place - Bronze medal

9	Mr. V. Deepak Justin Mr. R. Gopikrishna Ms. K. Mangayarkarasi Ms. N. Divyashree	4*100 mixed relay	II place - Silver medal
10	Ms. S. Shylashree Ms. A.Priyanga Ms. M. Nandhini	Carrom - Women	II place - Runners
11	Ms. R. Preethi	Swimming 50 meter free style	II place - Runners
12	Ms. R. Preethi	Swimming 50 meter back stroke	II place - Runners
13	Ms. V. Hemashree Ms. KishwarJohara	Chess women	III place – Bronze medal
14	Mr. S. Sanjeevkumar Mr. P. Sharon Jeyaselvan S.Harishbabu	Carrom men	III place – Bronze medal

**Inter Medical Sports Meet Organized by KAPV Medical College, Trichy
from 20th to October 22nd 2016**

S. No.	Name	Event	Achievement
1	Ms. M. Anusha Ms. S. Hemavardhni	Chess (women)	Winner
2	Mr. B. Easwar Mr. Akash	Chess (men)	III place
3	Ms. S. Shylashree Ms. A. Priyanga	Carrom (women)	Winner
4	Mr. Annamaali Mr. S. Sanjeev Kumar Mr. S. Harishbabu	Carrom (men)	Winner
5	Ms. R. Menaka and team.	Basket Ball (women)	Runner
6	Ms. Hemavardhniand team.	Throw Ball (women)	Runner
7	Ms. S. Preethi and team.	Volley Ball (women)	Winner

Inter Medical Sports Meet Organized by Government Vellore Medical College, Vellore from September 26th – 28th 2016

S. No.	Name	Events	Place
1.	Mr. Chozhavendhan and team	Foot Ball	Runner

The Tamil Nadu Inter Medical Sports Meet Organized by The Tamil Nadu Dr.MGR Medical University

Venue: Madurai Medical College, : Madurai from 5th to November 8th 2016

S. No.	Name	Event	Achievement
1	Ms. S. Shylashree	Carrom singles (women)	Runner
2	Ms. S. Shyl	Carrom Doubles (women)	Runner
3	Ms. R. Preethi	Swimming 50 meter back stroke	III place
4	Mr.V.Deepak Justin	Athletics 400 meter	I place - Gold medal
5	Mr.V.Deepak Justin	Athletics 200 meter	II place - Silver medal
6	Mr.V.Deepak Justin Mr. R. Gopikrishna Ms.AnanindhiaGuraza Ms. N. Divyashree	4*100 mixed relay	III place - Bronze medal
7	Mr. P.Sharonjeyaselvan Mr.Nateshkumar Mr.VimalAadithyan	Shuttle Badminton	III place - Bronze medal (Reached in Semi Final)
8	Mr.A.R.Annamali Mr. S. Sanjeevkumar	Carrom men Doubles	III place - Bronze medal (Reached in Semi Final)
9	Mr.V.Deepakjustin Mr. N. Sivasaravanan	Table tennis	III place - Bronze medal (Reached in Semi Final)

5.3.3 Does the institution provide incentives for students who participate in national / regional levels in sports and cultural events?

- ✓ The Director of Physical education takes care of travel and security support.
- ✓ They are also supported with attendance in case of shortage.
- ✓ Winners are honored by- awards, certificates, medals and shields.

5.3.4 How does the institution involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications / materials brought out by the students during the last four academic sessions.

- ✓ The institution encourages and supports students in attending various conferences and competitions.
- ✓ Every undergraduate student is motivated to pursue ICMR-STs.
- ✓ The faculty of the institute assist students to take up research and publish.

Anatomy

1. Santhana Lakshmi R, Gugapriya TS, Vinay Kumar N, Arun T. Guru. Positional variation of optic nerve in relation to sphenoid sinuses and its association with pneumatization of anterior clinoid process: a radiological study. Journal of evidence based medicine and Healthcare 2015; 2(32): 4719-28.
2. Subashini K, Sunmathi D, Nalinakumari S.D. Prevalence of overweight and obesity among private and government school children. Journal of Research in Science, Technology, Engineering and Management 2015; 4(2): 21-28.
3. Kamala E, Vinay Kumar N, Kavin Raj, Gugapriya TS, SenthilRajkumar. A study of morphology of air cells in the middle turbinate and its relationship with sinusitis and deviated nasal septum. Journal of Evidence based medicine and Healthcare 2015; 2(8): 976-982.
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- fasting and post prandial blood glucose estimation. The J Med Res 2015; 1: 22-25.
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Medicine

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2. Sivakumar K, Thamarai R, JeyPragatha. Relationship of serum uric acid and non HDL cholesterol in obese individuals in rural population. International Journal of Pharmacy Practice and Drug Research 2014; 4(3): 132-137.
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4. Sivakumar K, Thamarai R, JeyPragatha. Relationship of serum uric acid and non HDL cholesterol in obese individuals in rural population. International Journal of Pharmacy Practice and Drug Research 2014; 4(3): 132-137.

Microbiology

1. Parthiban E, Anupriya A, Manivelan S. KAP study about carbonated drinks consumption among medical college students in a tertiary care hospital. Journal of Medicine and Pharmaceutical Sciences 2015; 1: 21-26.
2. Priyanka N, Anupriya A, Uma A, Snehalaxmi RR. Infection control practices in intensive care units – questionnaire based study. TJPRC Int J Med Microbiol Res 2015; 1: 15-22.
3. Priyanka D, Vallab G, Anupriya A, Uma A, Kalamani SM. Seroprevalence of Rubella among asymptomatic pregnant women in a rural teaching hospital. TJPRC Int J Med Microbiol Res 2015; 1: 23-28.
4. Sowmya PG, Diego E, Lalithambigai J, Uma A, Kalamani SM. Prevalence of IgG antibodies against Cytomegalovirus in antenatal women in a tertiary care hospital. TJPRC Int J Med Microbiol Res 2015; 1: 29-32.
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- analysis of bacterial pathogens and crystalluria in cases enrolled in a tertiary care teaching hospital, Tiruchirapalli, India. *Med Res Chron* 2015; 2(3): 142-153.
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Pharmacology

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2. Rajajeyakumar M, Pirabhu R, Chenniappan M, Niranjana D, Siva Arul Selvan S, Sushmita A, Janitha A, Arun A. Study to predict vascular dysfunctions in high risk young adults – an immediate non invasive investigation to prevent early vascular ageing. *Journal of Clinical and Diagnostic Research* 2015; 9(7): CC01-CC03.
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Psychiatry

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5.3.5 Does the institution have a Student Council or any other similar body? Give details on its constitution, activities and funding.

The Institution has a student forum for pursuing professional, social cultural and sporting activities. A budget is provided for 'student activities' and is available to the students under the supervision of a staff coordinator.

5.3.6 Give detail of various academic and administrative bodies that have student representatives in them. Also provide details of their activities.

Student representatives are a part of the following committees;

- a) Institutional hostel review committee.
- b) Research coordination council.
- c) Anti- ragging committee.
- d) Gender harassment committee.
- e) Sports committee.

Parameter	Approach	Outcome
Student mentoring and support	Mentoring system in the college Encouragement for students participation in sports and other cultural activities	Support for weaker students to cope with studies and join the mainstream Overall development of student attributes Career growth Nurturing of talents in sports and cultural activities
Student progression	Student enrolment Nurturing students for higher learning	Higher participation in I competitive examinations. Nurturing interests in PG and PhD programs
Student participation and activities	Annual sports and cultural events Literary talents	Leadership qualities Team building and management capacity Social responsibility and consciousness

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

Summary

The Institution has a definite organizational frame work with dynamic leadership and de centralized administration. Recourse, infrastructure and human resource development are properly planned and pursued. Welfare measures, grievance redressal provisions and effective audit mechanism are in place and with these efforts the institutions can certify it to have good governance.

- ❖ Institution has well defined vision and mission.
- ❖ Vice Principal, Medical Superintendent, Deputy Medical Superintendent, Regional Medical Officer and Professor and HODs of various departments are assisting the Dean in all the activities.
- ❖ Formal and informal committees are in place for policy initiation, monitoring, review, modification, and implementation. Interaction with colleagues, superiors and administrators is enabled through the committees.
- ❖ The affiliated university plans its academic activities clearly and issues a calendar in advance for its academic and administrative functioning.
- ❖ The institution functions democratically with transparent administration.
- ❖ A friendly and non hierarchical atmosphere exists where all are respected and their views are heard.
- ❖ Clearly and carefully defined duties and responsibilities of all concerned with effective decentralization of administration.
- ❖ Pragmatic approach to the finance with the best methods of utilization
- ❖ Performance assessment of teaching and non teaching staff.
- ❖ IQAC and TQM cells and advisory boards are in place.
- ❖ Effective computerization of all administrative, academic, research, finance and evaluation activities.
- ❖ Regular stock verification and validation; Regular financial audits.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 INSTITUTIONAL VISION AND LEADERSHIP

6.1.1 State the vision and mission of the institution.

Vision:

We are dedicated to the creation of a competent and socially responsible health care system by strengthening and sustaining wholesome medical knowledge, altruistic service and progressive research

Mission:

1. To offer the best medical education to the students by state-of-Art teaching methodology and creating opportunity for self-learning programs
2. To create an affordable and quality health care delivery through/ by means of up to date technology of international standards
3. To develop innovators by providing collaborative research environment

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?

Yes, the mission statement expresses the institution's motto of serving the society and its future plans for seeking innovation in science and medical education.

The institution has adopted a strategic plan defining short term and long term goals for the institution.

6.1.3 How is the leadership involved in?

- Developing E-Governance strategies for the institutions.
- E-Governance value chain that is adopted in CMCH & RC



- ✓ The data collected from the students, faculty, staff and patients are used as resource for integration.
- ✓ Library is automated with e-lims software and 800 e-journals can be accessed by faculty and students.
- ✓ Laboratory results are made available online to all the critical areas to enhance early diagnosis.
- ✓ Biometric face reader for the employees maintains the attendance which makes payroll system easy.
- ✓ All the students and staff details are available online.

Ensuring the organization's management system development, implementation and continuous improvement

- ✓ The Head of the Institution formulates the rules and regulations for the faculty, staff and students.
- ✓ The Internal Quality Assurance Cell receives inputs from Students, faculty, staff and the parents which are analyzed. Appropriate actions are initiated regarding policy changes, management strategies, administrative processes, infrastructure and other aspects.

Interacting with its stakeholders?

- The management and the head of the institutions interact regularly with stakeholders.
- The management and the administration meet the parents frequently to understand their expectations regarding their wards.

Reinforcing the culture of excellence?

- The institution displays the mission and vision in the website, in all departments and notice boards. They are conveyed to the students during the orientation program.
- The students are mentored by faculty and are rewarded for performance.
- Efforts are made to attract talented teaching and research faculty.
- Collaboration with leading institutions across the world is made.

Identifying organizational needs and striving to fulfil them?

The feedback from the students and the self appraisal from the faculty help the institution to know the drawbacks and take appropriate measures to rectify them.

6.1.4 Were any of the top leadership positions of the institution vacant for more than a year? If so, state the reasons.

No.

6.1.5 Does the institution ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

Yes.

6.1.6 Does the institution promote a culture of participative management? If yes, indicate the levels of participative management.

Yes, the faculty and staff are free to approach the management by Whatsapp messages by phone or in person and freely express suggestions and opinions.

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges/ Constituent units and support and encouragement given to them to become autonomous.

Not applicable

6.1.8 Have any provisions been incorporated / introduced in the university act and statues to provide for conferment of degrees by autonomous colleges?

Not applicable

6.1.9 How does the institution groom leadership at various levels? Give details

The college grooms leadership among the staff members by giving them opportunities to organize and coordinate technical and nontechnical events such as Conferences, Seminars, Cultural events etc.

6.1.10 Has the institution evolved a knowledge management strategy which encompasses the following aspects such as access to : Yes

Information Technology

- ✓ **Library** is fully automated with e-lims software. 800 e-journals are subscribed which can be readily accessed by faculty and students.
- ✓ **Laboratory results** are made available online to enhance early diagnosis.
- ✓ **Biometric face reader** for the employees maintains the attendance which makes payroll system easy.

National Knowledge Network (NKN)

- ✓ The library has subscribed **e-consortium** from the Tamil Nadu Dr.MGR Medical University which provides access to 750 National and International journals.
- ✓ It also has subscribed to www.indianjournals.com which provides a resource of 49 e-journals.

Data Bank

- ✓ All the faculty and staff details are maintained in HR Department.

Other open access resources along with effective intranet facilities with unrestricted access to learners. If yes, give details.

6.1.11 How are the following values reflected in the functioning of the institution?

Contributing to National development

- ✓ 810 bedded multi-specialty teaching Hospital provides free treatment to hundreds of rural and urban people.
- ✓ Disaster relief amenities.
- ✓ Swatch Bharat (Clean India) principles.
- ✓ Green Campus initiation and build up.
- ✓ Waste recycle and utilization.

Fostering global competencies among students

- ✓ Faculty guide students for participation in conferences.
- ✓ Faculty are deputed for training in reputed institutions in India and abroad and transfer the knowledge gained to the students.

Inculcating a sound value system among students

- ✓ Students are motivated to serve the rural population through their course and their rural health training postings during internship.
- ✓ Apart from clinical postings students work in outreach and awareness campaigns.

Promoting use of technology

- ✓ Availability of Internet and Intranet facilities
- ✓ Access to on line journals.

Quest for excellence

- ✓ Students receive research grants under Short Term Studentship (STS) of ICMR (Indian Council of medical research). 78 students had benefitted through the central research lab for research activities.

6.1.12 Has the institution been indicted / given any adverse reports by National Regulatory bodies? If so, provide details.

S. No	Remarks of MCI	Remedial measures
1	There was only 1 normal delivery & Nil caesarean section on day of assessment. There were total 46 deliveries conducted in last 25 days.	On the day of assessment: one caesarean section was conducted. Normal deliveries - Nil Average number of deliveries + caesarean sections in April 2015 was two per day.
2	Attendance registers of General Medicine, Orthopedics, ENT, Psychiatry, O&G., TB & chest are not maintained properly.	This has been rectified.
3	Number of total Major & Minor operations for the whole hospital was only 9&7 respectively which is grossly inadequate.	The number of major operations on the day of assessment was 15. The average number of major surgeries in the past one month was 15(fifteen) per day. An average 20 minor surgeries were performed per day in the past one month.
4	Deficiency: Faulty:7.7% Residents:21.6%	Vacancies were recruited and appointed
5	Number of laboratory investigations are not commensurate with the actual number of patients attending the hospital.	Records were not submitted properly and hence the lacuna. However copy of the central lab records are submitted for perusal

6.1.13 What are the projected budgetary provisions towards teaching, health care services, research, faculty development, etc.?

S. No.	Head	Amount in Rupees
1	Teaching	231600000
2	Health care services	49440000
3	Research	3684000
4	Faculty development	200000
5	Incentives and awards to faculty, residents, students and other health care staff	150000
6	Academic programmes	200000
7	Co-curricular activities	50000
8	Extra-curricular activities	250000
9	Welfare activities of faculty, residents, students and other health care staff	50000
10	Library and information services	4500000
11	ICT purposes	8700000

6.2 STRATEGY DEVELOPMENT AND DEPLOYMENT

6.2.1. Does the institution have a perspective plan for development? If yes, what aspects of the following are considered in the development of policies and strategies?

Vision:

- ✓ We are dedicated to the creation of a competent and socially responsible health care system by strengthening and sustaining wholesome medical knowledge, altruistic service and progressive research

Mission:

- ✓ To offer the best medical education to the students by state-of-Art teaching methodology and creating opportunity for self-learning programs
- ✓ To create an affordable and quality health care delivery through/ by means of up to date technology of international standards
- ✓ To develop innovators by providing collaborative research environment

Teaching and learning

- ✓ Clinical conditions and treatments are discussed with the students to enrich their knowledge.

- ✓ Students are monitored on their academic, co-curricular and extra-curricular activities through mentor system

Research and development

- ✓ Students receive research grants under Short Term Studentship (STS) of ICMR (Indian Council of medical research), 78 students had benefitted through the central research lab for research activities.

Community engagement / outreach activities

- ✓ Through the Rural Health Training Centre, awareness programs are conducted in nearby villages in which students and CRRIs actively participate.
- ✓ Health camps are frequently conducted in the surrounding villages.

Human resource planning and development

- ✓ Faculty and staff requirement are explicitly planned and policy is laid down for all HR activities.
- ✓ The institution recruits faculty and staff as per the guidelines given by the management and the MCI.

Industry interaction

- ✓ Medical and surgical consumables suppliers organize. CME to educate doctors regarding their new products and recent advancements in technology.

Internationalization

- ✓ The institution has an MOU with Partners Medical International (PMI) at Boston, USA. Faculty visited the center for training on medical education and emergency care. Students are encouraged to participate in international conferences and workshops.

6.2.2 Describe the institution's internal organizational structure (preferably through an organogram) and decision making processes and their effectiveness. Is there a system for auditing health care quality and patient safety? If yes, describe.

- ✓ A periodical death audit and clinical audit discusses about the care given to patients and the cause analysis for treatment failure.
- ✓ Staff nurses on rotation basis check patient tag, side rails, infant tag in labour room and other major areas where more number of patients take treatment.

How often are these review meetings held with the administrative staff?

- ✓ Death audit meeting are held once in three months
- ✓ Nursing audit is conducted once in two months

6.2.3 Does the institution conduct regular meetings of its various authorities and statutory bodies? Provide details.

Yes. The board of trustees conducts regular meetings with the board members and statutory bodies. The HOD meetings and the departmental faculty meeting are held regularly every week.

6.2.4 Does the institution have a formal policy to ensure quality? How is it designed driven, deployed and reviewed?

The IQAC for the institution and the TQM for the hospital are the committees which formulate policies for quality improvement and sustenance. Expert and experienced members are nominated to the committees and they hold meetings at frequent intervals to recommend quality improvement measures. The administration considers the recommendations and implements them for improving the quality of all activities of the institution and hospital.

The institution has constituted committees of College council, Clinical audit, Infection control, biomedical waste management, death audit, antibiotic resistance, bioethics, institution ethical and institutional research board to analyse and suggest measures regarding various related specific issues.

The institution has also constituted several committees such as hostel committee, anti-ragging committee, and faculty grievance committee; purchase committee, student's grievance committee etc. for studying and recommending remedial measures.

An experienced person is appointed as director to look after the administration of medical institution and the attached hospital.

6.2.5 Does the institution encourage its academic departments to function independently and autonomously and how does it ensure accountability?

Head of the department has sole responsibility for all the academic work in the institution. He/she allocates teaching load for the faculty who should ensure good academic results. HOD organizes CME, workshops and national health programs in their respective field with administrative and management approval.

6.2.6 During the last four years, have there been any instances of court cases filed by and /or against the institution? What were the critical issues and verdicts of the courts on these issues?

The institution has filed a case against Medical Council of India inspection report regarding recognition and renewal. Verdict for the institution was favorable with compliance inspection and subsequent approval.

6.2.7 How does the institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

Institution has grievance committee, anti ragging committee and gender harassment committee. Any grievance or complaint is addressed and necessary action is taken.

6.2.8 Does the institution have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Feedbacks are obtained from students which are analyzed by student representatives and faculty. Based on the findings, changes and modifications are carried out in required aspects.

6.2.9 Does the institution conduct performance audit of the various departments?

Yes. Inspections are conducted to analyze whether the standards are in par with Medical Council of India norms. Department review is conducted periodically to know their statistics, manpower, income generated and expected budget for expansion. Faculty are appraised by self appraisal and by the head of the institution.

6.2.10 What mechanisms have been evolved by the institution to identify the developmental needs of its affiliated / constituent institutions?

Not applicable

6.2.11 Does the institution and hospital have their own updated websites? If so, is the information regarding faculty and their areas of specialization, days of availability, timings, and consultation charges available on the website?

Yes. www.cmchrc.ac.in is the official website of the institution and updated regularly with all the information.

6.2.12 What are the feedback mechanisms and documentations to evaluate the outcomes of these exercises

- ✓ Faculty opinion.
- ✓ CRRI feedback.
- ✓ Patient satisfaction level
- ✓ Staff opinion.

6.2 FACULTY EMPOWERMENT STRATEGIES

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff? What is the impact of continuing professional development programs in enhancing the competencies of the university faculty?

- ✓ The college has a Medical Education Unit (MEU) which sends faculty periodically to the regional MEU centre, Sri Ramachandra University (SRMC) and the faculty trained guides other faculty to improve the TLE process.
- ✓ The Paramedical staff are periodically trained in recent advances.

6.3.2 What is the outcome of the review of various appraisal methods used by the institution? List the important decisions.

- ✓ Non-Teaching staff are transferred within the institution based on their appraisal.
- ✓ Faculty and Staff are given additional responsibility while establishing new departments or during expansion of the existing departments.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentages of staff have been benefitted from these schemes in the last four years? Give details.

- ✓ Free transport facility is provided to the teaching faculty from the inception of the institution.
- ✓ 20% concession on medical expenses is given to faculty and staff.
- ✓ Food is provided at concessional rates to a section of staff.

6.3.4 What are the measures taken by the institution for attracting and retaining eminent faculty?

- ✓ Provision of rent free accommodation.
- ✓ Responsibilities in various committees which frame policies and protocols for the institution.

6.3.5 Has the institution conducted a gender audit during the last four years? If yes, mention a few salient findings.

Gender audit in relation to students, residents, faculty, nursing, technicians, pharmacy, hospital workers, administrative staff and other employees are furnished below.

Yes, the details are as follows.

S. No	Category	Male	Female
1	Students	359	390
2	Teaching staff	131	127
3	Non Teaching	116	277
4	Administrative Staff	32	11
5	House keeping	5	67

6.3.6 Does the institution conduct any gender sensitization programs for its faculty?

Yes.

6.3.7 How does the institution train its support staff in better communication skills with patients?

The supporting staff such as housekeeping staff, security guards, transport workers and others is trained to communicate well with all and behave in a proper manner.

6.3.8 Whether the research interests of teaching faculty are displayed in the respective departments?

Yes.

6.3.9 Do faculty members mentor junior faculty and students?

Yes.

6.3.10 Does the institution offer incentives for faculty empowerment?

Benefits like free housing, free transport and other incentives are provided for faculty empowerment.

6.3 FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

Following mechanism is followed.

- ✓ Fund flow statement preparation on day to day basis.
- ✓ Monitoring surplus funds if available on weekly basis.
- ✓ Major investment / Expenditure to be made after getting management approval in the manner as prescribed.
- ✓ A proper system for effective and efficient use of financial resources.

6.4.2 Does the institution have a mechanism for internal and external audit? Give details

- ✓ Yes. The institution has an internal audit department which oversees all financial activities.
- ✓ External audit system.
- ✓ Pre-audit and post-audit are practiced throughout the year.

6.4.3 Are the institution's accounts audited regularly? Have there been any audit objections, if so, how were they addressed?

Yes. There were no remarks in the past years.

6.4.4 Provide the audited statement of accounts with details of expenses for academic, research and administrative activities of the last four years.

The audit report is enclosed in annexure

6.4.5 Narrate the efforts taken by the institution for resource mobilization.

The institution does not seek or get donations from any sources and wholly depends on the fees received from the students.

6.4.6 Is there any provision for the institution to create fund? If yes, give details.

The institution has been provided funds from central government organization for conducting CMEs, workshops, project works etc. The details are listed below.

S. No.	Programme	Date(s)	Organizing Departments	Funding source	Amount in Rs.
1	Third State Conference of IADVL – Tamilnadu branch	13 th and 14 th October 2012	Dermatology and MEU	IADVL, Tamilnadu Chapter	50,000/-
2	Lecture workshop on Need of Understanding the Neglected tropical diseases	26 th and 27 th Nov 2012	Microbiology and Health Science Research (HSR)	Science Academy, Bengaluru	83,000/-
3	Lecture workshop on Neuropsychiatry diseases	4 th and 5 th April 2013	Biochemistry, HSR, Medical Education Unit (MEU)	Science Academy, Bengaluru	98,000/-
4	CME on diabetes update	21 st June 2013	Biochemistry, HSR, MEU	The Tamilnadu Dr. MGR Medical University, Chennai	25,000/-
5	National Symposium on Emerging and Re-emerging viral infections	30 th and 31 st August 2013	Microbiology, HSR, MEU	ICMR, CSIR and MCI, New Delhi	1,90,000/-
6	CME on Expanding	6 th and 7 th	Anatomy, HSR and	ICMR,	40,000/-

	Frontiers in Anatomy and Workshop on Plastination	September 2013	MEU	New Delhi	
7	CME on Hemato Pathology	10 th September 2013	Pathology, Health Science Research and MEU	ICMR & CSIR, New Delhi	90,000/-
8	CME on Operation Theatre Sterilization and Disinfection	29 th March 2014	Microbiology	Raman and Weil, Mumbai	25,000/-
9	CME on Heat Shock proteins and Antimicrobial Resistance	4 th July 2014	Microbiology	Tamilnadu State Council for Science and Technology, Chennai	30,000/-
10	CME on HIV Care	22 nd July 2014	Skin and STD	NACO	10,000/-
11	CME on Sepsis – a global killer	26 th September 2014	Microbiology, HSR and MEU	The Tamilnadu Dr. MGR Medical University, Chennai	40,000/-
12	CME on Pharmaceutical Waste Management	30 th Oct 2014	Pharmacology, HSR & MEU	CSIR, New Delhi	50,000/-
13	Workshop on Research Methodology	29 th Sept to 1 st Oct.	Research Cell and MEU	ICMR, New Delhi	40,000/-

	gy				
14	CME on Cancer update	19 th November 2015	Biochemistry, Research cell and MEU	The Tamilnadu Dr. MGR Medical University, Chennai	40,000/-
15	CME on CKD	19 th July 2016	Biochemistry, Nephrology & MEU	The Tamilnadu Dr. MGR Medical University, Chennai	40,000/-
16	CME on RACE	10 th Nov. 2016	Radiology, Anatomy & MEU	The Tamilnadu Dr. MGR Medical University, Chennai	40,000/-

6.4.7 What are the free / subsidized services provided to the patients in the hospital?

Free services	Subsidized services
Free food for in-patients Free consultation for OP and IP cases Hematology investigations Urine analysis Ophthalmic checkup ENT checkup Dental checkup Skin checkup Gynec services Transport for rural patients Normal delivery	Diagnostic services CT MRI Mammogram Color Doppler Ultrasogram X-rays Blood chemistry Clinical pathology Operation theatre expenses Physiotherapy Emergency medical care Intensive care treatment Dialysis Endoscopic examination and treatments Diagnostic and therapeutic cardiology Operative delivery

6.4.8 Does the institutions receive fund from philanthropic organizations /

Nil

6.4.9 Do patients from other states / abroad come for treatment, reflecting the unique quality health care provided by the institution?

Yes. A good number of Indian nationals from other states and abroad visit the hospital for health check-up and treatments.

6.5. INTERNAL QUALITY ASSURANCE SYSTEM

6.5.1 Does the institution conduct regular academic and administrative audits? If yes, give details

- ✓ University exam results are analysed in the respective departments.
- ✓ A team is assigned for regular 5S audits to check cleanliness, orderliness and responsibility of the staff in maintaining the departments.

6.5.2 Based on the recommendations of the academic audit, what specific follow up measures have been taken by the institution to improve its academic and administrative performance?

Our results are relatively good and new courses are planned based on the feedback from administrative audit.

6.5.3 Is there a central unit within the institution to review the teaching –learning process in an ongoing manner? Give details of its structure, methodologies of operations and outcome?

Yes, the institution constituted Medical Education Unit, the MEU periodically review the teaching learning process and also give medical education training to faculty. Details of MEU members:

S.No.	FACULTY NAME	DESIGNATION	POSITION
1	Dr. Sukumaran Annamalai M.D, D.H.H.M.,	Dean- Medical College	Chair Person
2	Dr. Gurudatta S Pawar.,M.D.	Prof & HOD, Forensic Medicine	Co-ordinator
3	Dr. P. Thirumalaikolundu subramanian.,M.D.	Prof & HOD, General Medicine	Member
4	Dr. Nachalannamalai.,M.D.	Prof of Physiology	Member
5	Dr. T. S. Guga Priya.,M.D.	Asso. Prof of Anatomy	Member

6	Dr. Umapathy Sembian.,M.D.	Asso. Prof of Anatomy	Member
7	Dr. M. Muhil.,M.D.	Asso. Prof of Physiology	Member
8	Dr. S. Priya Banthavi.,M.D.	Asso. Prof of Pathology	Member
9	Dr. M. Vijayakumar.,M.S.,	Asst. Prof of ENT	Member
10	Dr. E. Kamala.,M.D.	Asst. Prof of Anatomy	Member
11	Dr. M. Rajajeyakumar.,M.D.	Asst. Prof of Physiology	Member
12	Dr. S. Krishna Kumar.,M.D.	Asst. Prof of Physiology	Member
13	Dr. Guru T Arun.,M.D.,	Asst. Prof of Radiology	Member

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

The recently constituted IQAC is to convene meetings and recommend quality assurance strategies which would be considered for implementation by the administration.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the institution for implementation?

The IQAC has been constituted in December 2016. The cell will convene periodical meetings and submit suggestions and recommendations for quality improvement.

6.5.6 Are external members represented in the IQAC? If so, mention the significant contribution made by such members.

The IQAC comprises of five external members. They are

- ✓ Dr. Thangaraj, Pro Vice Chancellor, SRM University, Former Vice – Chancellor, Tamilnadu Veterinary university
- ✓ Dr. Muthamilchelvan, Director, SRM University
- ✓ Dr. Vinayagam, Professor of Radiology, SRM Medical College, SRM University and
- ✓ Dr. Ashraf, Member, IMA Trichy with Dr. T.S. Sridhar, IAS (Rtd.) Ex. Officio member

6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

The institution regularly admits a number of students from the rural villages of southern districts of TamilNadu. However a systematic study and statistics is not made yet. The IQAC will study the academic growth of rural students achieved by the institution and prepare a report.

6.5.8 Are there effective mechanisms to conduct regular clinical audit of the teaching hospital? Give details.

The hospital conducts regular clinic audit where in patient details are discussed by designated persons on rotations. The faculty, residents and students participate in the programme. This programme ensures patient safety, improves skills soft faculty, residents and students.

Staff of nursing, pharmacy, laboratory and others has been trained at periodical intervals to ensure patient safety, timely intervention and documentation.

6.5.9 Has the institution or hospital been accredited by any other national / international body?

No.

6.5.10. Does the hospital have institutional and individual insurance schemes to cover indemnity claims?

Yes. There is state health insurance for common public, insurance for government employees and retired persons and also a few private insurances.

CRITERION VII: INNOVATION AND BEST PRACTICES

Summary

To face the latest developments and competitions at regional, national and international level, the institution has to develop innovative practices. The institution has introduced a number of innovative practices, keeping this in mind.

- ✓ Appropriate leadership, academic council, research board, various committees for quality enhancement like IQAC, TQM cell assure to achieve the institutional goals and objectives.
- ✓ Faculty recruitment, counseling system, orientation programmes, special coaching for slow learners ensures a fool proof system.
- ✓ Motivating undergraduates and postgraduates for research, faculty registration for Ph.D, online courses (NPTEL – Health research fundamentals), collaborative and consultancy research are some of the unique features and practices of the Institution.
- ✓ The YRC club and centre for yoga train students to satisfy professional and social expectation.
- ✓ Periodic tree planting is regularly done to make campus green covered. A separate green house is instituted for nurturing plant samplings.
- ✓ The institution invites eminent scholars, scientists and honors them.

CRITERION VII: INNOVATION AND BEST PRACTICES

7.1 Environment consciousness

7.1.1 Does the institution conduct green audit of its campus?

Yes, the institution carries out green audit of the campus, which has large gardens, trees and lawn spread over the campus. Department of civil engineering is in-charge of all gardening activities and periodic monitoring is done,

- ✓ To evaluate the maintenance of plants.
- ✓ To identify and prepare additional areas for planting.
- ✓ To remove weeds
- ✓ To assess the functioning of waste water treatment plant and bio gas plant
- ✓ To regulate water quality

Students actively promote environment friendly activities. World Environment Day seminars, student plays and demonstrations. Students organized “Thooimai vetkai” campaign in the campus to promote cleanliness by avoiding plastic usage and promoting efficient waste management.

Saplings of various types of trees and plants are grown within the campus thereby fulfilling the planting needs.

7.1.2 What are the initiatives taken by the institution to make the campus eco friendly?

Energy conservation

- The institution is switching over from using electric bulbs to LED, CFL bulbs.
- The lights in the pathways are switched on late in the evening so that electricity consumption is reduced and security guards in the campus are given specific instructions.
- The buildings allow natural light into the lecture halls and other rooms which reduces the necessity to use electricity for light. Support staff from electrical department help in operating computers, projectors and air conditioners economically.
- Lesser use of elevators is stressed during CMEs to enhance physical activity.

Use of renewable energy

- Two bio gas plants operate in the campus. They utilize the food waste from the hostels and canteen and also sludge created from the waste water treatment plant for energy production, which is utilized in the mess kitchens.

Water harvesting

- Rain water is collected through storm water drains constructed in the campus and is pooled in two earthen ponds. The water improves the water

- table and serves as a recharging source for the bore wells located near the ponds.
- For roof top rain water harvesting, connecting pipes have been installed for directing the rain water to sumps.
 - Solar water heater is fitted in the students' hostel which reduces energy consumption.

Efforts for carbon neutrality

- The institute is located in a rural area surrounded by plains, trees and plants which provide good ventilation.
- Large numbers of plants and trees have been planted in the institute which has created a large green belt. This helps in reducing the carbon foot print.
- The generators in the institute are eco friendly with minimal pollution.
- Use of vehicles by the students within the campus is restricted to reduce the pollution.
- The institute provides bus facility for faculty, students and staff which encourages the use of common transport facility and reduces the use of individual vehicles.
- Pedestrian friendly clean pathways encourage physical activity and reduce use of vehicles.

Plantation-Botanical of Medicinal significance

- A large number of trees have been planted within the campus, along with small plants. Lawn area covers 5,60,000 sq.ft.
- Many of the trees have medicinal properties.
- Parts of Lagerstroemia flos reginae have anti-obesity, anti-fibrotic, antibacterial, anti inflammatory properties.
- Pulp of the fruit and root of Cassia Fistula has hepato protective, anti-inflammatory, antitussive, antifungal, wound healing and antibacterial properties.
- Neem oil, bark and leaf extracts are useful for intestinal helminthiasis, respiratory disorders, constipation.
- Leaves of Bauhinia purpurea has wound healing and anti microbial activity.

Bio-hazard waste management

- Bio hazards are treated by external private agency in an authorized common treatment facility at Sengipatti.
- The wastes are segregated at production site to ensure effective handling. Coded colour bags are provided in all parts of the hospital.
- The institute has established infection control and biomedical waste management committees which monitor the bio hazard waste management.

E-waste management

- EDP department looks after the maintenance of electronic items in the campus. The department manages the disposal of E-waste along with.

Effluent treatment and recycling

- Two Sewage Treatment Plants with the capacity to treat 12 lakh liters of waste water per day are operated in the campus. The treated water is used for gardening. The sludge is used for bio gas plant and also as manure for garden.
- An Effluent Treatment Plant is with working capacity of 10000 liter/day also is operated. Tamil Nadu pollution control board certifies the operation of the plants.

Recognition/ certification for environment friendliness

- Certificates for the quality of air and water are obtained annually from the Tamil Nadu pollution control board.
- Certification for bio-hazard waste management is also obtained every year from Tamil Nadu pollution control board.
- Certification for operating sewage treatment and effluent treatment plants are also obtained every year.

Any other

- Wet drilling is used to reduce air pollution from construction sites.
- Construction debris produced is used for filling low lying areas and for laying roads.
- Food waste from the hostel is utilized to produce energy in a biogas plant. This results in better waste management and helps in energy conservation.
- Active green club by students
- Efficient RO system provides good drinking water for the hospital, college hostels and residential buildings in the campus.

7.1.3 How does the institution ensure that robust infection control and radiation safety measures are effectively implemented on campus?

Infection control

- The institute has an active infection control and biomedical waste management committee with Dean as chairman, Medical Superintendent as president, Head of the microbiology department as member secretary and teaching and nonteaching staff members from various other departments. Samples from operation theatres, Intensive Care Units, CSSD in the hospital are collected and microbiologically analysed for environmental surveillance.
- Monthly infection control committee meeting discusses the issues brought out in the microbiological examination for improving patient and personnel safety.
- Hand hygiene audit and bio-medical waste management audit is routinely conducted. Promotion of hand hygiene and infection control is done through annual orientation programmes for CRRIS.
- Antimicrobial drug resistance of organisms from various samples are also tested and the results are discussed in the monthly meetings.
- Notifiable diseases are reported to the concerned authorities.
- The institute's CSSD when necessary is responsible for sterilization of instruments and materials used for treatment and investigation procedures.

Radiation safety

- Various radiation safety measures are implemented to reduce radiation exposure among the health care workers and also the patients. All the radiation related equipments are used based on the Atomic Energy Regulatory Board certification and its guidelines.
- Monitoring of radiation exposure for the teaching and nonteaching staff working in the field of radiation and health care workers who are working in the field of radiation are provided with Thermo luminescent Dosimeter (TLD badge). The amount of exposure to radiation is calculated from the badge once in every 3 months by Avanttec ltd located at Chennai. They are also provided with lead aprons, lead goggles, lead thyroid shield and lead gonadal shield to minimize the radiation exposure and tissue injury.
- Appropriate techniques to limit radiation exposure for the patients are also followed.

7.1.4 Has the institution been audited / accredited by any other agency such as NABL, NABH, etc.?

Yes. Department of microbiology is certified with External Quality Assurance System certification for bacteriology and serology by Indian association of Medical Microbiologists. Atomic Energy Regulatory Board certification is obtained for radiology department.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the institution.

NPTEL local chapter: The institute is recognized as a local chapter for online courses and programmes conducted by National Institute of Epidemiology (NIE), Indian Council of Medical Research. Through this collaboration the institute encourages faculty and students to undergo bio-medical research oriented training which helps to improve their knowledge and skills in the field of research. This also helps them to pursue research with confidence.

Division of Bionanotechnology (DBioNT): This research division is active in the fundamental science and technology of micro and nano systems and their applications in food and health. It has collaborations with other institutes such as SASTRA University, PSG Institute of Technology, Lady Doak College, and SRM University.

Skills oriented learning: Students are encouraged and permitted to use innovative methods and materials to provide health education to the community regarding health and social issues. Demonstrations, role plays, songs and poems are some of the methods used by the students during these sessions. These improve their knowledge about the diseases and also their communication skills.

Advocating social responsibility among students: A role model: Efforts are taken by the students to convert the urban health centre area towards attaining Swachh Bharat Mission of India. “Thooimai Vetkai” project is undertaken in partnership with Samayapuram town Panchayat which is the field practice area. Town Panchayat provides support by providing materials to make the area clean.

Yoga Research (Centre for Yoga Therapy Education and Research): The institute has a fully functional yoga lab which facilitates the practice of yoga among students. It conducts yoga research to identify the importance of yoga in preventing and controlling health problems.

Working towards sustainable development: The institute is a member of United Nations “Sustainable Development Solutions Network”. This provides opportunity to undergo certification courses in sustainable development and also to undertake projects in the related areas.

Educational Networking: The institute is registered as a member in World Directory of Medical Schools and Educational Commission for Foreign Medical Graduates (ECFMG).

MBBS students and CRRIs are trained in providing Basic Life Support and trauma support through BLS/ATLS programmes conducted every year by the department of general surgery and emergency medicine.

Innovative teaching:

Flipped class room method of teaching for students is adapted to help the students to learn medicine beyond the traditional class room way of teaching and to improve their learning and understanding of difficult topics.

Special evening classes are organized for those students who are poor in English. Peer assisted group learning is practiced in order to improve understanding and knowledge. Small groups undergo repetitive teaching sessions to improve performance.

Development of ingenious teaching module: Effective method for teaching chest X ray pictures are being developed.

Modular teaching for creative thinking:

Modules based on videos have been developed using case scenarios to improve critical thinking among MBBS students and CRRIs.

Mentorship program: Students are mentored by the faculty members for solving the problems related to their academic performance.

7.3 Best practices

7.3.1 Give details of any two best practices that have contributed to better academic and administrative functioning of the institution

Title: Teaching endoscopic and microscopic surgical procedures in the operations theatre for

small group of medical students through audio visual aids in the department of ENT

Video assisted teaching of surgical procedures-Live (Audio visual live relay)

Objectives:

- ✓ To promote the learning of surgical skills among students
- ✓ To provide better understanding of surgical procedures

Context:

Surgical procedures in the department of Oto-rhino-laryngology require good surgical skills and also knowledge of the anatomical structures in the surgical site. This knowledge and skills are necessary to avoid damages to the related anatomical structures during surgery and to improve the effectiveness of the surgery. Since the anatomical sites are small, it requires use of endoscopy and other fine instruments. Video assisted teaching serves as a good teaching method in this context, and also avoids entry of students in to surgical theatre there by reducing the chances of infection.

Practice: Instead of demonstrating and teaching surgical procedures using videos for large group of students, this method of teaching includes only a small group of students. Faculty explains the procedure in the viewing gallery to the students.

Evidence of success: Feedback from the students is obtained regarding the use of video assisted demonstration of surgeries. This increases the students' interest, knowledge and skills in the subject.

Problems encountered and resources required: The endoscopy and other instruments used for surgery should be IT friendly so that it can be connected to the screen in the viewing gallery. Electricity has to be maintained in the viewing gallery throughout the procedures so that continuity is kept.

2. OVCSPP project

Title of the practice: **Orphan Vulnerable Children Social Protection Project**

Objectives:

To identify the prevalence of HIV/AIDS affected and infected children in the district

To Empower the children affected with HIV/AIDS through focused interventions in health, education and community care

Context: HIV/AIDS is a disease affecting a large group of population in the country. In India, children below 15 years of age constitute seven percent of the estimated 2.09 million HIV infected individuals in 2011. The children born to the HIV affected parents are infected with the virus during birth. HIV infected children face the additional challenges of dealing with the infection, frequent illness and the need to adhere to anti-retroviral treatment. Some children are neglected by the society since their parents have HIV/AIDS and some group of children are orphaned by loss of their parents due to the disease. They often have poor health and low self esteem and are likely to drop out from school. This project focuses on identifying the children infected and/or affected due to HIV/AIDS. Mapping is done to identify such children. The objective is to provide health care and community care to the children.

1. **Practice:** The project is undertaken in collaboration with KHPT (Karnataka Health Promotion Trust) which works in the field of HIV, tuberculosis and others. This project provides medical students an opportunity to discuss with the children and helps in better understanding of health, social and economic problems associated with the disease.
2. **Evidence of success:** Prevalence of affected children was identified by the KHPT. Mapping of the areas was completed. Sensitization of the staff involved in the project was done. Discussion with the HIV affected children was also done to understand their health issues, treatment effects and problems in maintaining treatment adherence, social and economic problems encountered by them. IMNCI-HIV training was done to provide knowledge about integrated services.
3. **Problems encountered and resources required:** Identifying the core group of interested faculty was done. The project requires additional manpower to coordinate with camp activities and training of the faculty and staff about the disease process in the children. Fund is required for the payment of field staff, camp activities, training and its materials, specific investigations and transport. The project also necessitates coordination with the NGOs (Non Governmental Organizations), CBOs (Community Based Organizations) and social workers working in the field of HIV/AIDS.

SWOC analysis

Strengths

- Vast, peaceful and beautiful campus in the National Highway (NH-45)
- Experienced, qualified and efficient faculty
- Well planned and huge infrastructure facility
- Excellent student support, with hostel, library, scholarships, research and health care
- Transparent admission policy
- Clearly defined vision and mission
- The institute has an experienced team of faculty who has served as executives in various national and international journals and associations.
- Effective teaching Learning process
- Continuous academic assessment monitoring
- Methodological and Transparent evaluation
- Strong Research culture with significant Publications
- Community oriented extension activities
- Sports and fine arts facility
- Students' redress cells
- Guidance and Counseling
- Adjunct faculty to visit and teach specialized subjects
- Good numbers at publications
- Sponsored students projects and grants

Weakness

- Faculty exchange with reputed Universities
- Sponsored projects and grants
- Patents
- Most of the research projects in the institution are internally funded with some support from regional and national agencies. The members of faculty are continuously trying to acquire extramural funding for the research activities.
- Areas for improvement are identified by IQAC and action initiated for continuous improvements. Weakness gets rectified on continuous basis.

Opportunities

- There are opportunities for tie up with institutions, organizations, super speciality hospitals, companies and industries for faculty exchange and collaborative research.
- Inviting more national and state experts for sharing knowledge with faculty members and students may provide wide opportunity to expand the institution to greater heights.
- Collaboration with industries should be explored for developing innovative and interdisciplinary low cost model for learning, healthcare delivery and research.

Challenges

- Maintaining the competitiveness of the system in quality at lowest cost
- Getting fund resources to foster the research of national relevance and need is the challenge.
- Creating the attitude and mindset among all stakeholders towards a feeling of Ownership regarding the institution.



CHENNAI MEDICAL COLLEGE HOSPITAL & RESEARCH CENTRE

(A Unit of SRM Group of Educational Institutions)

Irungalur (Near Samayapuram), Trichy - Chennai Highway, Trichy - 621 105



Declaration by Head of the Institution

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place : Irungalur
Date : 24.03.2017


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