

1079

UGC
EXPERT COMMITTEE REPORT
FOR CONFERMENT OF DEEMED TO BE UNIVERSITY STATUS TO

CHETTINAD ACADEMY OF RESEARCH & EDUCATION (CARE)
Rani Seethai Hall, No. 603, Anna Salai, Chennai – 600 006. Tamil Nadu

- I. Background of the Institution giving details of teaching, research and extension programme.

CHETTINAD ACADEMY OF RESEARCH & EDUCATION (CARE)

Establishment :

Dr. RAJAH SIR ANNAMALAI CHETTIAR was the person who founded the House of Chettinad in 1912 and established the Annamalai University in 1929 in the backward rural area of Tamil Nadu.

RAJAH MUTHIAH CHETTIAR CHARITABLE & EDUCATIONAL TRUST

The Trust has accomplishment of establishing number of education, academic and research activities.

The Medical Institution which is located at Kelambakkam, a rural area 30 kms. from Chennai in 95 acres of single piece of land adequate for field work, out-reach programmes and out-door & in-door health activities.

- a. Location and year of establishment:

(i) **CHETTINAD ACADEMY OF RESEARCH & EDUCATION (CARE)**
I.T.Highway, Kelambakkam, Kanchipuram District – 603 103.

(ii) Year of establishment – 30th March 2007

A New Trust in the Name of Chettinad Academy of Research & Education (CARE) has been established in 2007.

Pankaj Kumar
20/8/07
Ashutosh Kumar
20/8/07

Kthomas
20/8/07

Ratna
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1. Teaching Programmes :

Medical – MBBS., with Annual intake of 150 students
Nursing – B.Sc., (N) – Annual intake of 50 students

2. Academic Activities

1. Continue Medical Education (CME)
2. Seminars
3. Guest Lecturers
4. Symposium
5. Conference
6. Workshop
7. Work is on progress for Tele Conferencing

3. Research Programmes :

Research Activities in progress

- Etiology of Pelviureteric Obstruction in children - 30 Cases. (Dr.PV.Hayavadana Rao, Paediatric Surgery)
- Analysis of Biochemical Data for Metabolic Syndrome obtained from master Health check up Patients of Chettinad Hospital & Research Institute (Dr.Malligai et al Biochemistry)
- Etiology of surgical site infections (SSI) at CHRI with special reference to MRSA (Dr.Renu Mathew et al, Microbiology)
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- TranCept study Roche co. Ltd
- Victor study, Roche co. Ltd
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- Progis, Novartis India Ltd
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- Coverage Evaluation of Immunization Programme in Kanchipuram Dist (Dr.Murali et al, Comm. Med)
- Epidemiological profile of Snakebite and Treatment seeking behaviour among rural population of Kanchipuram Dist (Dr.Murali et al, Comm. Med)
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- Prevalence of Fungal Infection in Nasal Polyps (Dr.Srinivasan et al, ENT)
- Prevalence of Metabolic syndrome in young women with polycysticovarian syndrome (Dr.Nirmala et al, OBG)

Medical Education

1. Preservation and Mounting of Human Specimens by Plastination technique in the museum. (Dr.Sarala et al, Anatomy)
2. A Comparative evaluation in Museum mounting techniques (using Kaiserling and formalin). (Dr.Archana et al, Anatomy)
3. Integrated teaching of Biochemistry – Implementation & Evaluation (Dr.Malligai et al, Biochemistry)
4. Evaluation of opinion on the teaching of pharmacology in undergraduate medical curriculum (Dr.Ruckmini et al, Pharmacology)
5. Evaluation of drug information through mass media (Dr.Ruckmini et al, Pharmacology)

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Narasimhan
K. Ramesh

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4. Extension Programmes :

Name of the camp conducted	Date	Name of the Block	Name of the Village	Name of place conducted	Total
OBG Camp	Nov-06	Madras	Besent Nagar	Sree Sai Health Trust	41
Urban Camp	May-06	Chennai city	Thiruvotriyur		498
Eye Camp	Nov-06	Tirukazhukundram	Kikilamedu	Primary school	108
	Dec-06	Thiruporur	Periya Nemmeli	Dharmaraja Koil	37
School wise Medical camp	Oct-05	Thaiyur	Thaiyur	Primary and Welfare school	160
	Nov-05	Mahabalipuram	Mahabalipuram	Primary school	144
	Mar-06	Thiruporur	Vaniyanchavadi	Higher Secondary	867
	Dec-06	Thiruporur	Thiruporur	Primary school	1030
	Sep'06	Thiruporur	Kelambakkam, Thiruvandhai & Therkupattu	Primary school	471
	Oct-06	Thiruporur & St.Mount	Kottivakkam	Primary School & YMCA	513
	Nov-06	Thiruporur	KR Kuppam & Kanathur	Primary School & Middle school	472
Medical Camps	Oct-05	Thiruporur	Kayar, Kovalam & Mambakkam	Middle & Primary school	842
	Nov-05	Thiruporur	Pudupakkam, Pattipulam & Sembakkam	Primary & Adidravidar School	667
	Dec-05	Kattankulathur & Thiruporur	Keerapakkam, Mullipakkam, Semencheri, Vengoor & Velichai	Primar school, ACDS centre & Community hall	948
	Jan-06	Kattankulathur, Thiruporur & Town panchayat	Kandigai, Manamathy & Thiruporur	Community hall, Hr.sec.& Primary school	933
	Feb-06	Thiruporur	Nellikuppam	Ventra Rasiyamman kovil	231
	Mar-06	St.Mount & Thiruporur	Karappakkam, illalur, Alathur 7 Payanoor	Middle & Primary school	853
	Apr-06	Thiruporur & Vadanemeli	Vadanemeli	CSI Church	550

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June-06	Karumbakkam & Nellikuppam	Karumbakkam & Nellikuppam	Middle school & Community Hall	418
July-06	Orgadam, Semencheri & Meyyur	Orgadam, Semencheri & Meyyur	Middle & Primary school, Tsunami nagar	750
Aug-06	Thiruporur & Thiruporur town panchayat	Thandarai & Thiruporur	CSI & Hr.Sec. School	323
Sep-06	Thirukazhukundram, Thiruporur & St.Mount	Manamai, Navallur, Reddikuppam & Kottivakkam	Primary school & Navallur city light	539
Oct-06	Thirukazhukundram & St.Mount	Kottivakkam & Sadras	Primary school & Community hall	424
Nov-06	Kundrathur	Padappai	Hr. school	458
Dec-06	St.Mount	Karappakkam & Semencheri	Middle school & Community Hall	576
Jan-07	St.Mount & Thiruporur	Sholinganallur & Illalur	Hr.Sec.school - Sholinganallur & Illalur	325
Feb'07	Thiruporur & Thirukazhukundram	Padur, Kanathur & Mamallapuram	Middle & Primary Schools	414
Mar'07	Thiruporur	Madayathur	Primary school	115
Apr-07	Poonamallie, Thiruporur & Thirukazhukundram	Thirumazhisai, Nemeli & Sadras kuppam	Sundram School, Nemeli Hr.sec.school & Sadras kuppam community school	1203
May-07	Thiruporur, Lathur & Pavanjore	Muttukadu, Thandarai & Nergunapattu	Primary school & Kanniyamman Kovil	392
June-07	Sadra Primary Health centre	Pudhupattinam & Sembakkam	Hr. Sec. School	431

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Chettinad Hospital Speciality Camps – IN-HOUSE

Date	Speciality Camps	Total Patients	
19.01.07	Diabetics	119	Sirucheri
20.01.07	Children camps (polio drops given)	128	Kuthavakkam
22.01.07	Surgery camp	51	Sholinganallur
23.01.07	Ophthal Camp	53	Neykuppi & Sadras
24.01.07	ENT	20	Vitalapakkam
25.01.07	Ortho	30	Sirucheri
27.01.07	Gync. Clinic	46	Kanagapattu, Karanai & Sadras
29.01.07	Dental	30	Sirucheri
04.04.07	Bone Density camp	254	
05.04.07			

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II. Composition of the Expert Committee.

1. Prof. D. Singh Chauhan, Member, UGC, Vice –Chancellor, Jaypee University of Information Technology, Waknaught, PO Domehar Bani, Tehsil Kandaghat – 173 215, Dist. Solan, Himachal Pradesh.
2. Prof. C.S. Dhull, Medical Superintendent, Post Graduate Institute of Medical Sciences, Rohtak, Haryana
3. Dr. Sesa Sayee, HOD, Surgery, Rajeshwari Medical College, Kharnpipura, Mysore Road, Bangalore.
4. Dr. (Mrs.) Ratna Prakash, Dean, Manipal College of Nursing, Manipal.
5. Dr. N.S. Hadke, Department of Surgery, Maulana Azad Medical College, Delhi.
6. Prof. Ashutosh Kar, A-50-/18, DLF City, Gurgaon, Haryana.
7. Prof. Arjun Das, Head, Department of ENT, Government Medical College, Sector -32, Changarh.
8. Dr. Pankaj Patel, Representative Medical Council of India, Ahmedabad.
9. Mrs.Kochu Therisamma Principal, College of Nursing Trivandrum.

Prof. Arjun Das could not attend the meeting. Shri.A.N.Sharma, Under Secretary, UGC, co-ordinated the visit of the committee.

Pankaj Patel
26/8/07

Ashutosh Kar

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III. Inspection Report

1.	Headquarter of the proposed Institute Applied for Deemed to be University Status with full address	: CHENNAI Chettinad Academy of Research & Education (CARE) Rani Seethai Hall, 5 th floor 603, Anna Salai, Chennai – 600 006.
2.	(a). Whether the separate society/trust has been registered in the name and style of the proposed deemed to be university. (b). If yes, name of the society/Trust promoting the proposed institute(s) for Deemed to be University Status which should be one for all Institutions if the proposal is for more than one Institutions.	: YES New Trust has been formed named as “CHETTINAD ACADEMY OF RESEARCH & EDUCATION (CARE)” On 30.03.2007 Document Enclosed -Annexure - 1
3.	Details of the individual institution i.e., year of establishment, No. of PG Departments, Faculty (Professors, Readers, Lecturers) etc.	: Chettinad Hospital & Research Institute Hospital - September 2005 College – August 2006 – MBBS Annual intake of 150 Chettinad College of Nursing – 2006 – B.Sc. Nursing – Annual intake of 50 PG Courses not yet commenced
4.	Whether Movable and immovable assets have been legally transferred in the name of the society/trust seeking recognition as Deemed to be University	: Yes Affidavit already submitted assuring that movable and immovable assets will be transferred soon after getting Letter of Intent Annexure – 2
5.	Territorial jurisdiction of the Institution(s)	: INDIA
6.	Thrust areas of the proposed institution(s) indicating special or innovative features.	: <u>Academic Activities</u> Ongoing Research Programmes Innovative Research Programmes in emerging Areas

ONGOING RESEARCH PROGRAMMES :

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Microbiology)

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INNOVATIVE PROGRAMMES IN EMERGING AREAS:**INNOVATIVE PROGRAMS**

- Marine Pharmacology -M.Sc. (2 Yrs)
- Bio robotics -PG Diploma (1 Yr)
- Medical Bio Nanotechnology -M.Sc. (2 yrs)
- Occupational Medicine & Industrial Health -M.Sc. (2 Yrs)
- Clinical Research & Experimental Medicine -M.D. (2 Yrs)
- Environmental Health -Certificate course (1 Yr)
- Allied Health Sciences -B.Sc.(4 Yrs)

Evaluation pattern*

- Semester Pattern
- Credit per Semester - 15 Credit points
 - Each Lecture period per wk - 1 Credit
 - Each Tutorial per wk - 1 Credit
 - Project work (3 contact hours)- 1 Credit
- Over all Credits - 60 Credits
- Grading System - 10 point scale of evaluation

*Excluding Marine Pharmacology & M.Sc.Occupational Medicine & Industrial Health which follow the following pattern

- Semester Pattern
- Credit per Semester
 - I Semester - 15 Credit points
 - II & III Semester - 17 credit points each
 - IV Semester - 23 Credits
 - Each Lecture period per wk - 1 Credit
 - Each Tutorial per wk - 1 Credit
 - Project work (3 contact hours)- 1 Credit
- Over all Credits - 72 Credits
- Grading System - 10 point scale of evaluation

**M.Sc., MARINE PHARMACOLOGY
CHOICE BASED CREDIT SYSTEM**

Semester -I

- MPCC -101 : MARINE BIORESOURCES & ENVIRONMENT
 MPCC-102 : MARINE MICROBIOLOGY
 MPCC-103 : BIOCHEMISTRY AND CELL BIOLOGY
 MPCP-104 : Practical - I (Covering courses 101, 102 & 103)

Semester -II

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- MPCC- 201 : IMMUNOLOGY
- MPCC-202 : GENERAL BIOTECHNOLOGY
- MPCC- 203 : MARINE PHARMACOGNOSY
- MPCP- 204 : Practical – II (Covering courses 201, 202 & 203)

Optional I

Semester –III

- MPCC- 301 : PRINCIPLES OF PHARMACOLOGY AND PHARMACEUTICS
- MPCC- 302 : PHARMACOTHERAPY AND PHARMACEUTICAL TECHNOLOGY
- MPCC- 303 : TECHNIQUES IN PHARMACOLOGY
- MPCP 304 : Practical – III (Covering courses 301, 302 & 303)

Optional II

Semester –IV

- MPCC- 401 : APPLIED PHARMACEUTICAL CHEMISTRY
- MPCC- 402 : PHARMACOLOGICAL MANAGEMENT, QUALITY CONTROL AND ETHICS
- MPCC- 403 : BIOINFORMATICS AND IPR
- MPCP 404 : Practical – IV (Covering courses 401, 402 & 403)

Optional III

Optional IV

SEMESTER – I

MPCC -101: MARINE BIORESOURCES & ENVIRONMENT

Objective: To understand biodiversity of flora and fauna associated with marine environment and to learn the methods of conservation and protection of the bioresources.

- UNIT I- Introduction to Marine Environment
- UNIT II - Marine Flora
- UNIT III - Marine Fauna
- UNIT IV - Growth & Reproductive Biology
- UNIT V - Marine Environment Protection

MPCC – 102: MARINE MICROBIOLOGY

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Objective: To provide knowledge on microorganisms that cause human diseases and to learn the possible methods of controlling microbial diseases

- UNIT I- Introduction to Marine Microbiology
- UNIT II - Identification of microbes, Biomedical Importance and Culture
- UNIT III - Seafood Microbiology
- UNIT IV - Screening of Industrially Active Compounds
- UNIT V - Etiology & Management of Human Parasitic Infections

MPCC - 103: BIOCHEMISTRY AND CELL BIOLOGY

Objective: To define the structure and functions of bio molecules as cellular components

- UNIT I- Bio molecules
- UNIT II - Metabolism and synthesis
- UNIT III - Cellular organisation
- UNIT IV - Cellular functions and Interactions
- UNIT V - Cell Cycle

MPCP 104 - (Covering courses MPCC 101, 102 and 103)

PRACTICAL - I

- * Identification of dominant plankters
- * Identification of dominant marine plants (seaweeds, seagrasses, sand dunes, saltmarsh and mangroves)
- * Identification of species of pharmacological importance in sponges*, cnidarians, corals, bryozoans tunicates, molluscs (pelecypods, gastropods and Cephalopods), crustaceans (prawns, shrimps, lobsters and crabs), echinoderms, fishes (Cartillagenous & teleost) and marine mammals.
- * Food and feeding habits – Gut content analysis (crustaceans and fishes)
- * Assessment of age and growth - tags, morphometry, otolith, scales, vertebrae
- * Reproduction – Gonadial maturity stages, GS index.
- * These animals which are not included in the Wild life act. 1972.

PRACTICAL - II

- * Sterilization, Preparation of culture media, agar slants, isolation, enumeration & identification of microbes, and maintenance of cultures.

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- Gram's staining, morphological, physiological, biochemical characterization of microbes, measuring growth rate, checking markers, penicillin selection for auxotrophy
- Estimation of faecal coliforms
- * Sea food quality –
 - i) Estimation of coagulase + ve *Staphylococci*
 - ii) Estimation of *Vibrio* spp
 - iii) Estimation of *Salmonella* spp
- * Isolation, enumeration and identification of important marine fungi and Actinomycetes
- * Isolation and identification of marine cyanobacteria and lichens

PRACTICAL – III

- * Estimation of total carbohydrates (Phenol – Sulphuric acid method), Proteins (Biuret / Lowry), Lipids (Chloroform: Methanol), amino acids (Ninhydrin method), vitamins and nucleic acids (DNA, RNA - Colorimetric)
- * Demonstration of fatty acid analysis using GLC
- * Determination of amylase activity in different pH
- * Chromatographic separation of sugars, amino acids (free and bound – Paper Chromatography) and phospholipids (TLC)
- * Cell division stages
- * Isolation of cellular organelles

SEMESTER II

MPCC- 201: IMMUNOLOGY

Objective: To understand the components and function of immune system and its role in human diseases and control.

- | | |
|----------|--|
| UNIT I- | Cells and organs of Immune system |
| UNIT II | - Antigen, epitopes and haptens. Immunoglobulins |
| UNIT III | - Immunity and vaccines |
| UNIT IV | - Antibody organization |
| UNIT V | - Immunology in health and disease |

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MPCC- 201: IMMUNOLOGY

Objective: To understand the components and function of immune system and its role in human diseases and control.

- UNIT I- Cells and organs of Immune system
- UNIT II - Antigen, epitopes and haptens. Immunoglobulins
- UNIT III - Immunity and vaccines
- UNIT IV - Antibody organization
- UNIT V - Immunology in health and disease

MPCC-202: GENERAL BIOTECHNOLOGY

Objective: To deal with the usage of biotechnological tools in Pharmacology

- UNIT I- Molecular Techniques
- UNIT II - Vectors
- UNIT III - Tissue culture
- UNIT IV - Operation and Sterilization of laboratory Bioreactor
- UNIT V - Bioreactors

MPCC - 203: MARINE PHARMACOGNOSY

Objective: To detail the biology of marine natural products and their evaluation

- UNIT I- Definition, origin and scope of pharmacognosy
- UNIT II - Potential natural products from marine flora and fauna
- UNIT III - Evaluation of Crude Drugs
- UNIT IV - Marine bio-toxins
- UNIT V - Design and formulation of drug dosage forms

MPCP 204(Covering courses MPCC 201, 202 and 203)**PRACTICAL - I**

* Observation of lymphoid organs in fishes (Thymus, spleen, anterior kidney, Gut)

* Observation of lymphoid organs in birds (Bursa of Fabricus, spleen)

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- * Observation of lymphoid organs of mammals (C.S. of lymph node, C.S. of spleen, C.S. of tonsil, C.S. of Peyer patches, C.S. of thymus, C.S. of bone marrow).
 - Smear preparation of lymphoid organ in fishes (anterior kidney and spleen)
- * Agglutination test (ABO blood group kit)
- * ELISA - testing of antigen & antibody reactions & identification - Western blotting.
- * Counting of lymphocytes
- * Immunoelectrophoresis – antigen and antibody reactions using kit
- * Dissection of the lymphoid organ from fishes and mammals.
- * Immunomodulation – Immune response of hemolymph from shrimp & crab against *Vibrio* spp.

PRACTICAL – II

- * Growth pattern of cells – MONAD cell
- * Enzyme kinetics – Michaelis Menten model
- * Demonstration of bioreactors – working principles and application
- * Transformation in bacterial model
- * Restriction – Digestion, gel purification of DNA
- * Gene cloning – analysis of recombinant plasmids blue and white colony screening
- * PCR techniques – primer designing through internet computation

PRACTICAL – III

- * Identification of drugs by morphological characters
- * Physical and chemical tests for evaluation of drug wherever applicable
- * Dissection and analysis of source organs from flora and fauna for extraction of drug
- * Identification of fibres and surgical dressings
- * Isolation of natural products such as caffeine, starch, emetine, fixed oils. TLC of alkaloids

SEMESTER III

MPCC – 301: PRINCIPLES OF PHARMACOLOGY AND PHARMACEUTICS

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Objective: To describe the drugs of different types, their interactions and efficiency in drug delivery.

- UNIT I- General pharmacological principles including Toxicology
- UNIT II -Pharmacology of the anti-inflammatory drugs
- UNIT III -Biopharmaceutics and Pharmacokinetics and their importance in formulation
- UNIT IV -Principles of the controlled release of drugs from. polymer systems
- UNIT V -Mechanisms of drug transport

MPCC - 302: PHARMACOTHERAPY AND PHARMACEUTICAL TECHNOLOGY

Objective: To explain the clinical therapy, evaluation, formulation, quality control, preparation & packaging and routes of drug administration

- UNIT I- Pharmaceutical care, application, interpretation of clinical data
- UNIT II - Biological evaluation & screening of drugs
- UNIT III - Toxicology
- UNIT IV - Drug quality control
- UNIT V - Pharmaceutical Technology

MPCC - 303: TECHNIQUES IN PHARMACOLOGY

Objective: To learn the techniques in extraction, structural and functional elucidation, isolation and identification of medicinal compounds

- UNIT I- Solvent extraction principles
- UNIT II - Theory and the use of scanning electron microscopes and transmission electron microscopes
- UNIT III - Principles and applications of adsorption chromatography
- UNIT IV - Gel electrophoresis & Other detection techniques
- UNIT V - Electrochemical methods of analysis

MPCP 304 - (Covering courses MPCC 301, 302 and 303)

PRACTICAL - I

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- * Experiments on isolated preparations
- * To record the concentration response curve (CRC)
- * To study the effect of physostigmine and d-tubocurarine on the CRC of acetylcholine using frog rectus abdominus muscle preparation.
- * To record the CRC of 5 HT on rat fundus preparation.
- * Cardiovascular systems
 - to study the inotropic and chronotropic effects of drugs on isolated frog heart.
- * To study the effects of drug on normal and hypodynamic frog heart.
- Identification test for organic compounds particular drugs and pharmaceuticals.
- * Limit test for chloride, sulphate arsenic, Iron and heavy metals.
- * Assay of inorganic pharmaceuticals involving each the following methods
 - Acid-base titration
 - Redox titration
 - Precipitation titration
 - Complexometric titration

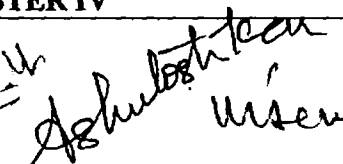
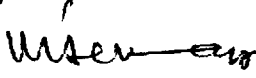
PRACTICAL – II

- * Basic test for identification of bacterial and fungal pathogens (serology, biochemical tests, germ tube test, KOH test etc)
- * Preparation of certain pharmaceutical dosages of forms, covering various manufacturing process
- * Testing of aerosols: Tests for output, drug concentration & dose delivered
- * Study of rheological properties of newtonian & non-newtonian systems at various environmental conditions
 - * Preparation and evaluation of powders, dry syrups and pills
- * Various staining procedures involved in histopathological studies
- * Tissue processing and sectioning

PRACTICAL – III

- * Effect of acetyl choline and adrenaline on the frogs heart
- * Effect of acetyl choline on *rectus abdominis* muscle of frog and guinea pig ileum
- * Effect of spasmogens and relaxants on rabbits intestine
- * Pharmacological activities: Local anaesthetics, Analgesic, Antipyretic, Antiinflammatory, CNS stimulant, CNS depressant.
- * To study different routes of administration of drugs in mice.
- * To determine the acute toxicity of a given drug (To calculate LD 50 value).

SEMESTER IV

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MPCC – 401: APPLIED PHARMACEUTICAL CHEMISTRY**Objective: To explain chemistry and metabolic processes of drugs**

- UNIT I- Nomenclature, classification and Stereochemistry of drugs
- UNIT II - Cardio Vascular drugs
- UNIT III - Structure, synthesis and metabolism of Chemotherapeutic agents
- UNIT IV - Toxicity Evaluation
- UNIT V - Introduction to nanotechnology, nanoparticles in marine organisms

MPCC – 402: PHARMACOLOGICAL MANAGEMENT, QUALITY CONTROL AND ETHICS**Objective: To describe the storage methods, trade, quality assurance and code of ethics**

- UNIT I- Pharmaceutical Management
- UNIT II - Management support systems
- UNIT III - Quality control aspects
- UNIT IV - Principals of ethics, Concept of a Profession and their Regulatory Councils
- UNIT V - World Health Organization - Ethical Issues

MPCC – 403: BIOINFORMATICS AND IPR**Objectives : To explain the technical know - how of information that can be collected from web sources involved in patenting of novel drugs.**

- UNIT I - Bioinformatics
- UNIT II - Human Genome Project and Databases
- UNIT III - Alignments, Phylogenetics and Protein Prediction
- UNIT IV - Molecular visualization & Drug Discovery
- UNIT V - IPR Issues and Patenting

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MPCP 404 - (Covering courses MPCC 401, 402 and 403)**PRACTICAL - I**

- * Proximate analysis of marine drugs to determine extractive values, ash values, insoluble matter, foreign matter, swelling factor etc.
- * Toxicity studies in marine biological resources
- * Microbial production of antagonistic agents
- * Biochemical analysis (Blood and Urine) - Glucose, Urea, Creatinine and Cholesterol
- * Estimation of vitamins and hormones in shell and finfishes
- * Spectral analysis of nano particles

PRACTICALS - II

- * Stability studies of marketed formulations as per ICH guidelines
- * Experiments on process validation
- * Drug monitoring progress or reaction by using TLC
- * Drug quality checking
- * Radio isotope handling
- * Bio safety guidelines

PRACTICALS - III

- * Prepare flat file in NCBI, DDBJ & EMBL format for the given query Sequence
- * Search the similar DNA sequence of the query DNA using BLAST
- * Retrieve a query sequence from NCBI and predict the secondary structure of the query using PDB & PEP TOOL
- * Retrieve a query sequence from NCBI and predict the tertiary structure and Motifs of the query using PDB, CATH & SCOP
- * Retrieve a query sequence from EMBL and predict the 2D structure of the query using SWISS-PROT
- * Find out the exon and introns for the given DNA sequence using GENESCAN / GENETOOL
- * Homology Modeling and Molecular docking
- * Method of Patenting

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**B.Sc Allied Health Sciences
(4 Years Degree Program)**

Basic Aim to start B.Sc(AHS) Course

- To Train Students in a technological aspects of medical care with the good scientific foundation to competently assist physician or surgeon.
- These Graduates play a vital role in determining the quality of health care

Courses which can be offered

- B.Sc. Allied Health Sciences – Anesthesia Technology
- B.Sc. Allied Health Sciences – Cardiac Technology
- B.Sc. Allied Health Sciences – Clinical Laboratory Technology
- B.Sc. Allied Health Sciences – Radiology and Imaging Science Technology
- B.Sc. Allied Health Sciences – Renal Dialysis Technology

Eligibility for Admission

A candidate desiring to join the four year programme leading to the B.Sc. Allied Health Science degree course should have a pass in the HSC/CBSE/ISC or equivalent examination with one of the following subject combinations:

- Physics, Chemistry, Biology and Mathematics (or)
- Physics, Chemistry, Botany and Zoology

COURSE FORMAT

Duration : 4 Years (3years of Course Work & 1 year internship)

Given in 8 Semester

Outline for the courses to be offered for eight Semesters

(Note: courses offered for I and II semesters are common to all branches)

First semester:

- Anatomy
- Physiology
- Biochemistry
- Psychology
- English
- Elements of Health care Principles

Second Semester:

- Micro biology
- Pathology
- Pharmacology
- Sociology
- Community Medicine
- Bio Physics

• (At the beginning of the Third Semester students should be assigned one of the five branches of specialization)

Third Semester:

- Applied Anatomy & Physiology related to concerned Technology
- Pharmacology related to concerned Technology
- Physician's office management and computer in relation to medical care
- Introduction to Clinical Methods
- Clinicals

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Fourth Semester:

- Concepts of disease and outline of clinical evaluation related to concern technology
- Basic Principals of Hospital Management
- Epidemiology and Statistics
- Clinicals

Fifth Semester:

- Concerned Technology – Part I
- Hospital products ,promotions and public relations
- Clinicals

Sixth Semester:

- Concerned Technology – Part II
- Cardio- Pulmonary resuscitation and first aid techniques
- Clinicals

Seventh & Eighth Semester -Compulsory Internship & Project Work

- Post Graduate Diploma Course – 1 yr

- Course Objectives:

This course will through light in the usage of Nanorobotics in medical field especially in therapeutics and surgery to the students.

- Eligibility: M.B.B.S. Graduate
- No. of Students / yr: 15
- PAPER I – Introduction to Nanotechnology & Robotics
- PAPER II – Application of Nano Robotics
- PAPER III - Nano Robotics in Surgical Application

Medical Bio Nano Technology

- Post graduate course – M.Sc. 2 yr
- Course Objectives:
This course is to provide an introduction to the theory and practice of Medical bio nanotechnology. It will also provide holistic approach covering the basic physics of the behaviour of molecules and molecular interactions and the experimental techniques used to characterise bio-nano systems.
- Eligibility: Graduate in science Degree
- No. of Students / yr: 15

SEMESTER I

- MBNC 101 -Cell Biology & Medical Bio-Chemistry
 MBNC 102 -General Bio technology & Bio-informatics
 MBNC 103 -Human Physiology & Immunology

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MBNP 101 -Practical (Covering courses 101 – 103)

SEMESTER II

MBNC 201 -Medical Microbiology & Infectious diseases
 MBNC 202 -Physics for Bio-Nanotechnology & Bio-Physical Techniques
 MBNC 203 -Somatic and germ line engineering
 MBNP 204 -Practical (Covering courses 201-203)

SEMESTER III

MBNC301 -Bio-Sensors, Disease diagnosis, Bio-Photonics and Bio-imaging
 MBNC302 -Bio-Nano Robotics & Bio Materials
 MBNC303 -Nano Toxicology & Macro Molecules
 MBNP304 -Practical (Covering courses 301 to 303)

SEMESTER IV

MBNC 401 -Project work

Occupational Medicine & Industrial Health

- Post graduate course – M.Sc. 2 yr
- Course Objectives:
 - To train individuals to work in industrial environment
 - Right person for the right job
 - Predict & Manage Industrial accidents
 - Provide Psychological counseling
- Eligibility: MBBS, BPT, BOT or Graduate in science Degree (With zoology as major or allied)
- No. of Students / yr: 20

SEMESTER I

MOMC101 -Introduction to Occupational Health care
 MOMC102 -Anatomy
 MOMC 103 -Physiology & Biochemistry
 MOMC 104 -Practical (Covering courses 101 – 103)

SEMESTER II

MOMC 201 -Occupational diseases (Paper I)
 MOMC 202 -Occupational diseases (Paper II)
 MOMC 203 -Hospital Management
 MOMC 204 -Practical (Covering courses 201-203)

SEMESTER III

MOMC301 -Psychology

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- MOMC302 -Epidemiology
 MOMC303 -Industrial economics
 MOMC304 -Practical (Covering courses 301 to 303)

SEMESTER IV

- MOMC 401 - Environmental Pollution
 MOMC 402 - Industrial/Labour Law & Ethics
 MOMC 403 - Hazard Management
 MOMC 404 - Practical IV (Covering courses 401,402 & 403)

Environmental Health

- Certificate course – 1 yr
- Course Objectives:
 To identify environmental health issues of importance to individuals, communities and Nation
- Eligibility: Graduate in science Degree
- No. of Students / yr: 15
- Paper –I - Basics of environmental health
- Paper-II - Types of Hazards & diseases produced including prevention
- Paper-III - Title: Control measures ,Law & Legislation

Clinical Research

- MD – 2 yr
- Course Objectives:
 To improve the clinical research abilities of the medical graduates
- Eligibility: Medical graduates
- No. of Students / yr: 10

SEMESTER I

- MCRC 101 -Ethics & good practices in clinical research
 MCRC 102 -Governing rules & regulatory authorities for drug development & approval
 MCRC 103 -Drug development process including preclinical toxicity studies
 MCRC 104 -Basics of biostatistics & soft ware applications in clinical research

SEMESTER II

- MCRC 201 -General Pharmacology

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- MCRC 202 -Systemic Pharmacology
- MCRC 203 -Clinical trial designs and methodology
- MCRC 204 -Applied biostatistics

SEMESTER III

- MCRC301 -Advanced clinical trial design
- MCRC302 -Clinical data management
- MCRC303 -Pharmacovigilance & safety reporting
- MCRC304 -Bioanalytical equipments & GLP

SEMESTER IV

- MCRC 401 -Project work

7.	Date(s) of visit of the Expert committee	19 th & 20 th August 2007												
8.	Is the proposal under De Novo Category: if yes please give justification.	<p>Yes - Under De Novo Category</p> <p>The Medical college (MBBS) started with getting MCI approval for 150 students in MBBS program - 2006. ANNUEXURE-3</p> <p>The Nursing college (B.Sc., Nursing) was started in 2006 approved by Nursing Council of India.</p>												
9.	Whether accredited by NAAC, if yes, rating?	N.A – only MCI, NCI standards and norms applicable.												
10.	Whether the proposed institution(s) is affiliated to any university under section 2 (f)/12B of the UGC Act? If yes, the name of the University.	Yes, Affiliated to The Tamilnadu Dr. M.G.R Medical University ANNUEXURE - 4												
11.	Whether the affiliating University willing to examine and confer degree or other awards of students already enrolled with the institution(s) seeking Deemed to be University Status.	Yes												
12.	Source of finance and quantum of funds available- From fees; From State Govt From UGC From other sources (details)	<table border="1"> <thead> <tr> <th colspan="2">Trust, 2006- 2007</th> </tr> </thead> <tbody> <tr> <td>Hospital Income</td> <td>1,39,30,306</td> </tr> <tr> <td>Medical College Fee</td> <td>6,83,67,405</td> </tr> <tr> <td>Nursing College Fee</td> <td>1,66,500</td> </tr> <tr> <td>Hostel Fee</td> <td>36,80,400</td> </tr> <tr> <td>Pharmacy</td> <td>1,02,33,673</td> </tr> </tbody> </table> Nil Nil Nil	Trust, 2006- 2007		Hospital Income	1,39,30,306	Medical College Fee	6,83,67,405	Nursing College Fee	1,66,500	Hostel Fee	36,80,400	Pharmacy	1,02,33,673
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Hostel Fee	36,80,400													
Pharmacy	1,02,33,673													
13.	Whether the institution(s) is financially and academically viable to run the institution(s) as Deemed to be University.	Yes												

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14.	Receipt and expenditure of the institution(s) for the last 3 years	Yes
Medical - Income in Lakhs		
Income	Particulars	2006 - 2007
	Op. Registration Income	10.43
	Lab Income	24.13
	Radiology Income	16.25
	Treatment Charges	21.41
	Inpatients Income	74.16
	Ambulance Income	3.64
	Pharmacy Revenue	36.00
	Rent Income	6.67
	College Fees Collection Account	600.00
	Other Income	41.93
	Total Income	834.62
Medical - Expenditure in Lakhs		
Expenditures	Particulars	2006-2007
	Salary Expenses	771.22
	Students Mess Expenses	17.04
	Consumables	89.74
	Inspection Fees	5.55
	Electricity Expenses	166.30
	Repairs & Maintenance Cost	63.50
	House Keeping Charges	79.13
	Security Charges	24.89
	Biomedical Waste Disposable Exps.	1.20
	Misc. Expenses*	71.60
	Printing & Stationery Expenses	31.02
	Travelling Expenses	73.98
	Preoperative Expenditure including salary, power	100.00
Total Expenses	1495.17	
Note: * Includes the following expenses – Work shops – 2.00 Lakhs , Books – 17.04 Laksh, & Journals – 4.00 Lakhs Conference – 1.00 Lakhs, Seed Money for Research – 10.00 Lakhs		
Nursing – Cash Flow Statement		
	Details	2006 - 2007
Receipt	Recurring Revenue (Fees)	1.46
Payments	Recurring Expenses Less Depreciation	52.34

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15	Whether the permission from the concerned state Govt. has been obtained if yes, please attach a copy of the permission letter/views of the state Government.	State Government has been Already approached for Permission - Copy of the letter to Secretary to the Government of Tamilnadu, Ministry of Health & Family Welfare dated 04.07.2007 is enclosed. Reply not yet received. Enclosed - Annexure - 5
16.	Details of UG/PG courses started/ to be started	UG Courses : 1. MBBS., - 2006 Annual intake of 150 Students. 2. B.Sc. , Nursing, -2006 Annual intake of 50 Students. Courses to be Started : 1. B.D.S - Annual intake of 100 Students DCI Inspection already completed - The Tamil Nadu Dr. M.G.R. Medical University Provisional Affiliation certificate awaited. 2. B.Pharm 3. PMR (BPT & MPT) 4. DNB 5. M.Sc., Nursing 6. DMLT
17.	Whether the institute has Rs.5 Crore Corpus Funds for Engineering Technology, Rs.3 Crore for Science & Social Science and Rs.5 Crore Corpus Funds for conducting both types of Programmes. Please specify and indicate the amount after verifying the Corpus Fund.	Yes Copy Enclosed - Annexure - 6
18	Whether various authority and bodies of the institute are in accordance with the provisions of the UGC Guidelines.	Yes Original Affidavit Enclosed. Annexure - 7

INFRASTRUCTURE: (give details)

19	Details of Buildings 1. Permanent	Yes Details of the Buildings ANNEXURE - 8
20	Land if acquired, Whether documents verified/land registered in the name of the university and its location.	Yes
21.	No. of Laboratories; give details	5 Nos. Bio-Chemistry Microbiology Clinical Pathology Blood Bank Central Research Lab Every ward is provided with side labs.

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22.	Whether students already admitted, if yes give details course-wise	<p>Medical MBBS - 150 students per year 2006 - 150 students admitted 2007 - admission in progress</p> <p>Nursing Nursing - 50 students per year 2006 - 6 Students admitted 2007 - Admission in progress</p>
23.	Hostel facilities, give details	<p>Separate Hostel accommodation for Boys & Girls</p> <p>Medical: Boys Hostel : 150 Students Total No. of Accommodation : 50 Rooms with triple sharing basis</p> <p>Girls Hostel : 150 Students Total No. of Accommodation : 50 Rooms with triple sharing basis</p> <p>Junior Resident Accommodation : Boys Hostel : 60 Persons Total No. of Accommodation : 30 Rooms with Double sharing basis</p> <p>Girls Hostel : 60 Persons Total No. of Accommodation : 30 Rooms with Double sharing basis</p> <p>Nursing: Girls Hostel : 102 Persons Total No. of Accommodation : 34 rooms with Triple sharing basis</p>
24.	No. of class rooms	<p>With 180 seating capacity - 3 (A/C) With 100 Seating capacity - 4 (A/C)</p>
25.	Whether institute has auditorium	Yes

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26	Area in Sq. meters	Total Area - 24,000 Sq.ft
27.	Number of Journals; a. National b. International	Medical National Journal - 28 Nos International - 12 Nos Nursing National Journal - 7 Nos International - 4 Nos.
28	Is it digital Library	Yes
29	Does it have reprographic and bar-coding facilities	Yes
30.	Whether Equipments, Books and Journals are worth Rs.50 lakhs	Yes
31.	Books/Equipment - give details	Hand out with CD Enclosed - Annexure - 9A + 9B

FACULTY AND OTHER STAFF

32	Whether teaching staff appointed, if yes give details	Yes Appointed Medical Nursing - ANNEXURE - 10
33.	Whether the institute have five departments - each department having one professor two readers and adequate number of Lecturers along with necessary supplementary staff. If so, please give details department - wise.	The Institution has 19 departments Medical Pre and Para clinical 1. Anatomy 2. Physiology 3. Biochemistry 4. Pathology 5. Microbiology 6. Community Medicine 7. Forensic Medicine 8. Pharmacology Clinical 9. General Medicine a. Dermatology b. TB & Chest c. Psychiatry 10. Paediatrics 11. General Surgery a. Ophthalmology b. ENT 12. Orthopaedics 13. Obstetrics & Gynaecology 14. Anaesthesia 15. Radio Diagnosis

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		16. Physical Medicine Rehabilitation 17. Nephrology 18. Reproductive Medicine 19. Paediatric Surgery Nursing Fundamentals of Nursing Maternity Lab & Paediatrics Community Health Nursing Nutrition Computer
34.	Whether the institute is giving pay scale to teachers as prescribed by UGC. If not, is the institute proposed to bring teachers pay scales at par with University teachers?	Yes
35.	Whether Non-teaching staff appointed, if yes, give details	Yes - ANNEXURE - II
36.	Is the Deemed University is running distance Education Programme, if yes, has it been approved by DEC/UGC.	Not Applicable
37.	Whether the institution established any off campus or study centre or admission centre outside the state of its jurisdiction please specify, if so, has it been approved by UGC	Not Applicable
38.	Whether the institution has undertaken any research activities. If so, please give details.	Yes Academic Activities 1. CME 2. Seminars 3. Guest Lecturers 4. Symposium 5. Conference 6. Workshop 7. Work is on progress for Tele Conferencing Research Activities: 1. On going research programmes 2. Innovative Programmes in Emerging Areas

Community Health Centre Out Reach Programmes

RHC - Pooncherri

UHC - Sholinganallur

Health Centre - MEPZ, Tambaram

Health Camps

Ranjana
Shubashree
Uiserani
Kthomian
Patna
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Bhandu

1. Primary Health Centre :

- Kelambakkam

Health Sub Centre

1. Chengalmal - 3 Km
2. Kovalam - 7 Km
3. Muthukadu - 10Km
4. Navaloor - 3 Km
5. Pudupakam - 6 Km
6. Mambakkam - 5 Km

2. Out Reach Programmes :

Days	I	II	III	IV	Remarks
Monday	Pudhupakkam	Kolathur	Panankattupakkam	Velichai	AN Clinic
Tuesday	Sengammal	Kelambakkam	Sathankuppam	Koil maniyam	Review meeting
Wednesday	Semmenchery	Kovalam	Kovalam	Kunnakadu	Immunisation
Thursday	Muttukadu	Kanathur Reddykuppam	Egattur	Kazhipattur	School Health
Friday	Mambakkam	Melakottaiyur	Ponmar	Sonalur	RTG / STG
Saturday	Navalur	Siruchery	Thazambur	Padur	Lap Survey

3. Health Camps :

- Hypertension Camp
- Diabetic Camp
- Immunization Camp
- Cardiac Alert Camp
- Prevention of Blindness
- Prevention of Deafness
- Prevention of Burns
- Early Detection of Cancer
- Adolescent care camp
- Dental Camp
- Skin care Camp

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Ratna
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• Geriatric Camp		
39.	Whether the faculty members organized or attended international / National Conferences / Workshops, if so, give details	Yes - ANNEXURE - 12
40.	Other facilities available at the institute(s) (give details) which are necessary to support Deemed to be university status	1) Central manifold 2) Animal House 3) Mortuary 4) Laundry 5) CSSD 6) Biomedical Waste Management 7) Ambulance Services 8) Central Clinical Lab 9) Blood Bank 10) Diet Kitchen 11) Radio diagnosis 12) Pharmacy 13) Generator 14) Pneumatic Chute System for transporting the specimens for Investigations 15) Helipad 16) Power House 17) Sports Activities <ul style="list-style-type: none"> i) Indoor Games <ul style="list-style-type: none"> a) Table Tennis b) Chess c) Carrom Board d) Gymnastics e) Body Building ii) Out Door Games <ul style="list-style-type: none"> a) Hockey b) Football c) Basket Ball d) Volley Ball e) Cricket f) Volleyball g) Tennis h) Shuttle i) Badminton etc.
41	Fee structure: Give Details	Medical College MBBS., - Tuition Fee Rs. 3,00,000/- per year Nursing College B.Sc., (Nursing) - Tuition Fee Rs. 30,000/- per year
42	Admission Policy/Procedure in brief	Students are admitted as per Tamilnadu State Government Policy. 65% - Government Quota 20% - Management Quota 15% - NRI Quota. Minimum Age limit - He/she shall complete the age of 17 years on or before 31 st December of

1. Ashu
 2. Ashuloshkar
 3. Usharani

K. Harinarayan

Rishab
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		<p>the Year of Admission to the Course.</p> <p>Minimum Eligibility Criteria for admission to Medical Courses in Govt/ Unaided non minority & unaided minority Institute in Tamil Nadu MBBS</p> <p>OC. Minimum of 60% marks in Biology or Botany & Zoology taken together, 60% marks in each of Physics, Chemistry. Aggregate should not be less than 140 out of 200</p> <p>BC. Minimum of 60% marks as in Item No.1, above aggregate should not be less than 130 out of 200.</p> <p>MBC. Minimum of 55% marks in Biology taken together 55% in each of Physics & Chemistry. Aggregate should not be less than 120 out of 200.</p> <p>SC. Minimum of 40% marks in Biology taken together 40% in each of physics & Chemistry. Aggregate should not be less than 80 out of 200.</p> <p>For the year 2006 a Common Entrance Test conducted by Tamilnadu Private Professional Colleges Association under the permanent Committee and the students were admitted under single window system.</p> <p>For the year 2007, As per the Court Order, the permanent Committee has decided not to conduct the Common Entrance test for admission will be made by qualifying marks.</p>
43.	Examination system in brief	Yes

EXAMINATION SYSTEM

MEDICAL

1st Year

1. Commencement of Examination :

- August 1st / February 1st
- Theory examinations not to be held on Saturdays and Sundays. If the date of commencement of the examination falls on a public holiday, the next working will be the date of commencement of examination.

2. Timings of Examinations :

- Phase - I - professional examination

P. Jagan *Ashubh* *Ushen* *Ethornau* *20/8/07*

- At the end of one academic year
- b) Phase – II – Professional examination
At the end of 1 ½ years from the commencement of Phase II
- c) Phase – III – Part I professional Examination :
At the end of one year of Phase III
- d) Part II professional (Final professional) examination
At the end of 2nd year of Phase II

3. Exemption in passed subjects :

Candidates who fail in an examination but obtain pass mark in any subject, shall be exempted from re-examination in that subject.

4. Carryover of failed subjects :

- a) Passing in First MBBS professional examination is compulsory before proceeding to phase II training
- b) A student who fails in the II MBBS professional shall be permitted to carry the failed subjects to Phase III of the M.B.B.S Course but shall not be allowed to appear in III MBBS Professional part I examination unless he/she passes all the subjects of the II MBBS professional examination is compulsory before entering part II of Phase II (final year) of the course
- c) Passing in III MBBS Professional (part I) examination is not compulsory before entering for Part II training; however passing of III MBBS Professional (Part I) is compulsory for being eligible to appear for III MBBS professional (part II) examination.

2nd Year

1. Commencement of Examination :

- a. August 1st / February 1st
- b. Theory examinations not to be held on Saturdays and Sundays. If the date of commencement of the examination falls on a public holiday, the next working will be the date of commencement of examination.

2. Timings of Examinations :

- a. Phase – I – professional examination : At the end of one academic year
- b. Phase – II – Professional examination : At the end of 1 ½ years from the commencement of Phase II
- c. Phase – III – Part I professional Examination : At the end of one year of Phase III
- d. Part II professional (Final professional) examination : At the end of 2nd year of Phase II

3. Exemption in passed subjects :

Candidates who fail in an examination but obtain pass mark in any subject, shall be exempted from re-examination in that subject.

4. Carryover of failed subjects :

- a. Passing in First MBBS professional examination is compulsory before proceeding to phase II training
- b. A student who fails in the II MBBS professional shall be permitted to carry the failed subjects to Phase III of the M.B.B.S Course but shall not be allowed to appear in III MBBS Professional part I examination unless he/she passes all the subjects of the II MBBS professional examination. Passing in II MBBS professional examination is compulsory before entering part II of Phase III (final year) of the course

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3rd Year

1. Commencement of Examination :

- a. August 1st / February 1st
- b. Theory examinations not to be held on Saturdays and Sundays. If the date of commencement of the examination falls on a public holiday, the next working will be the date of commencement of examination.

2. Timings of Examinations :

III MBBS part I examination shall be conducted at the end of one academic year of study in Phase III

III MBBS part II examination shall be conducted at the end of two academic years of study in Phase III.

3. Exemption in passed subjects :

Candidates who fail in an examination but pass in one or more individual subjects shall be exempted from re-examination in the passed subjects

4. Carryover of failed subjects :

1. A student who fails in the II MBBS at the end of Phase II shall be permitted to carry the failed subjects to phase III of the MBBS course but shall not be allowed to appear in III MBBS Part I examination unless he/she passes all the subjects of the II MBBS examination. Appearing for III MBBS Part examination is compulsory before entering part II of Phase III i.e., the final year of the course.
2. Passing in III MBBS part I examination is not compulsory before entering for Part II training ; however passing of III MBBS part I examination is compulsory for being eligible to appear for III MBBS part II examination.

NURSING

Internal Assessment Marks

The Internal Assessment should consist of the following points for evaluation:-

1. Theory
2. Practical/Clinical
3. Viva

The Uniform dates for submission of internal assessment marks are as follows:

For the subjects of one year duration:

At the end of January, April & June for 100 Marks and the aggregate of Final internal assessment marks on or before 10th July.

For the subjects of 18 months duration:

At the end of January, June & December for 100 marks and aggregate of Final Internal assessment marks on or before 10th January.

The aggregate of Final Internal Assessment Marks submitted on or before 10th July/10th January as per scheme of examination shall be taken by the University as Internal Assessment Marks and a Minimum of 35% of marks is mandatory for permitting the candidates to University Examinations.

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Cut - off Dates for admissions to examinations:-

1. 30th September of the Academic year Concerned
2. The candidates admitted up to 30th September of the academic year shall be registered to take up their 1st year Examination during August of the Next Year.
3. All kinds of admissions shall be completed on or before 30th September of the academic year. There shall not be any admission after 30th September even if seats are vacant.

Attendance Required for admissions to examinations:-

1. No candidates shall be permitted to any one of the parts of B.Sc., Nursing (Basic) Degree Course Examination unless he/she has attended the course in the subject for the prescribed period in an affiliated institution recognized by this University and has produced the necessary certificate of study, attendance and progress from the head of the institution.
2. A candidate is required to put in a minimum 75% of attendance to both theory and practical separately in each subject before admission to the examination.
3. A candidate lacking in the prescribed attendance and progress in any one subject in theory and practical in the first appearance shall be denied admission to the entire examination.
4. Failed candidates who are not promoted to the next phase of study are required to put in a minimum 75% of attendance during the extended period of study before appearing for the next examination.
5. Attendance earned by the students should be displayed on the notice board of the college at the end of every 3 months and a copy of the same should be sent to the university and parents of the students concerned who are lacking minimum attendance.
6. A candidate must have 100% attendance in each of the practical/Clinical area before award of degree.

44.	Whether the institute is following standards/norms prescribed by statutory councils like AICTE, MIC etc. as the case may be in respect of professional courses.	Yes - MCI, NCI
45	Whether the institute has given necessary undertakings/assurance as per UGC Guidelines; please attach the same.	Affidavit Enclosed Annexure - 13

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 Rashad
 20/8/02

OBSERVATIONS OF THE COMMITTEE**MEDICAL COLLEGE:**

Chettinad Hospital and Research Institute was started in the the year 2006 with an annual intake of 150 students with the approval of Medical Council of India and Central Government of India and was also permitted to admit students in the 2nd year by the Medical Council of India and Central Government of India vide their letter No. F. NO. U.120122/213/2005-ME(P-II) dated 28th March 2007.

At present the college has 150 students in 1st year and 150 students in second year.

In the first year Anatomy, Physiology, Biochemistry are taught to the students. During the second year Pathology, Microbiology and Forensic Medicine are taught.

Inspection was carried out physically in each department by the Team of Inspectors. The following observations were made,

1) Anatomy: The inspection team visited the Department including, Museum, Cold storage, Dissection hall, Demo room administrative rooms and the departmental library. All the infrastructures were available as per the norms of MCI. Actual teaching was inspected and the inspection team interacted with the students and faculty members and it was found satisfactory. The strength of the faculty members – Professors, Associate Professors , Lecturers and Tutors were Physically verified and it was as per MCI norms except that one post of Associate Professor in Anatomy was vacant. The institute administrators has promised to fill this post on priority basis shortly. The office space for the faculty member was also inspected and it was found adequate as per MCI norms.

2) Physiology: The Department including, Lab, Demo room administrative rooms and the departmental library was inspected by the Inspection team. All the infrastructures were available as per the MCI norms. The strength of the faculty members – Professors, Associate Professors, Lecturers and Tutors were Physically verified and it was found as per MCI norms except that one post of Associate Professor in Physiology was vacant. The institute authorities has promised to fill it on priority basis very shortly. The office space for the faculty member was also inspected and it is available, as per MCI norms.

Parthasarathy
Dr. H. S. Subramanian
Dr. S. S. Srinivasan
Dr. S. S. Srinivasan
Dr. S. S. Srinivasan

Dr. S. S. Srinivasan
 28/8/07

3) Biochemistry: The Department including Lab, Demo room administrative rooms and the departmental library was inspected by the Inspection team. All the infrastructures were available as per the MCI norms. The strength of the faculty members – Professors, Associate Professors, Lecturers and Tutors were physically verified and it was found as per MCI norms. The office space for the faculty member was also inspected and it is available as per MCI norms.

4) Pathology: The Department including Lab, Demo room administrative rooms and the departmental library was inspected by the Inspection team. All the infrastructures were available as per the MCI norms. The strength of the faculty members – Professors, Associate Professors, Lecturers and Tutors were physically verified and it was found as per MCI norms. The office space for the faculty member was also inspected and it was found adequate as per MCI norms.

5) Microbiology: The Department including Lab, Demo room administrative rooms and the departmental library was inspected by the Inspection team. All the infrastructures were available as per the MCI norms. The museum in the Microbiology Department was excellent. The strength of the faculty members – Professors, Associate Professors, Lecturers and Tutors were physically verified and it was found as per MCI norms. The office space for the faculty member was also inspected and it is available, as per MCI norms.

6) Pharmacology: The Department including Lab, Demo room administrative rooms and the departmental library was inspected by the Inspection team. All the infrastructures were available as per the MCI norms. The strength of the faculty members – Professors, Associate Professors, Lecturers and Tutors were Physically verified and it was available as per MCI norms except one Pharm. Chemist and the Institution authorities has promised to fill up the vacant position on priority basis shortly. The office space for the faculty member was also inspected and it is available, as per MCI norms.

7) Forensic Medicine: The Department including Lab, Demo room administrative rooms and the departmental library was inspected by the Inspection team. All the infrastructures were available as per the MCI norms. The strength of the faculty members – Professors, Associate Professors, Lecturers and Tutors were physically verified and it was found as per MCI norms. The office space for the faculty member was also inspected and it is available as per MCI norms. Autopsy room facilities are adequate.

Prof. A. B. ...

Dr. ...

Abulhasan Khan

Usha ...

Approved

[Signature]

Dr. ...
28/8/02

[Signature]

8) Community Medicine: The Department including, Lab, Demo room administrative rooms and the departmental library was inspected by the Inspection team. All the infrastructures were available as per the MCI norms. The strength of the faculty members – Professors, Associate Professors, Lecturers and Tutors were physically verified and it was found as per MCI norms. The office space for the faculty member was also inspected and it is available as per MCI norms. The rural and urban health centres facilities are adequate and both centres are being used for outreach programmes by the institute.

9) Central Library: The Central Library was inspected by the team members. The total no. of books were 7000 and above. There were 28 national Journals and 12 International Journals. The space of the Central Library is adequate as per MCI norms. The strength of the Library staff including Librarian/Assistant Librarian are as per MCI norms. They have Binding Room, Computer Room and has units with Internet facility. They have got e-journals and periodical subscription and they also have free access to 625 journals.

10) Central Research Lab: The Central Research Lab is adequately equipped and functional.

11) Hospital: The total number of beds at present are 415 and are adequate at present. The hospital is well equipped and it has all the facilities such as Infrastructure, Equipments, Emergency Services, Clinical Material and Labs as per requirement. The Lab work load is adequate and proportionate to the clinical workload of the department. The other supporting departments like Anaesthesia, Radio-Diagnosis etc.c, are fully equipped and the faculty and staff is adequate in strength.

12) Salary and allowances: All the faculty staff and paramedical employees are being paid salary higher than the salary paid to their counter part in Government/Public institutions elsewhere.

13) Hospital Data: It is available in Annexure - 14 which is attached herewith.

14) Hostel: The team of inspectors visited the hostel blocks of Nursing and Medical students. Physical inspection of each room was done and found satisfactory. The hostel also has adequate facilities such as dining room, reading room and gymnasium. The wardens of the hostels were present during the inspection.

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2) COLLEGE OF NURSING : B.SC NURSING COURSE

Chettinad Academy of Research & Education
(CARE)

I. Infrastructure Facilities:

a. Education:

- i. Curriculum- Following the Curriculum of MGR University of Health Sciences
- ii. Teaching – Learning Process
- All the records are complete and satisfactory
- iii. Evaluation process
-All the records are complete and satisfactory

b. Practice

- A Medical college Hospital of 415 bed strength with excellent learning materials is available for the practice of hospital nursing
- Infrastructural facilities are adequate and satisfactory

c. Community Outreach Programmes

- The teachers and students participate in health camps of the institution
- The materials for learning and practice are adequate and satisfactory

II. Students' admission detail

- a. Prerequisites are in accordance with the norms of MGR University of Health Services
- b. Attendance register, leave records are present and satisfactory
- c. Hostel :
 - i. Facilities are satisfactory
 - ii. Suggested to have book rack for each student

19/11/2017
Aswathy
M. S. S. S.

Thommas

20/8/17

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III. Faculty Detail

- a. Recruitment & selection process – satisfactory
- b. Qualification & experience are as per INC regulation
- c. Personal file documents are as per INC regulation
- d. Job description & Job policies are as per the university regulations

IV. Supporting Facilities

a. Physical Facilities

- Presently one floor of the academic block is exclusively allotted to College of Nursing
- Classrooms and labs set up are according to INC norm
- Library facilities are adequate. Computer & internet facilities are available
- Audio Visual aids are adequate
- Departments – are spacious and well – set up
- Total space area – 56,720 sq.ft

(More than INC requirement)

V. Shared facilities available and satisfactory

- a. Central library
- b. Auditorium
- c. Basic Health Sciences labs
- d. Recreation Facilities

VI. Suggestions

- a. Few teaching staff need to register their additional professional qualification to Tamil Nadu State Nursing Council
- b. To conduct few more research activities,

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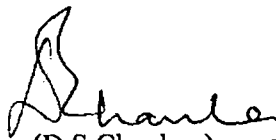
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Recommendation of the Committee:

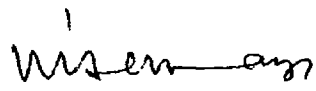
The following factors have been taken into consideration by the Committee on arriving at the final recommendations:

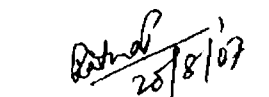
- The Medical and Nursing Colleges established in a rural area. The hospital attached to the colleges caters the needs of the poor people.
- Availability of required infrastructural facilities
- Various laboratories are equipped with most modern and upto date instruments/equipments and accessories in a short span of time.
- Sound financial viability.
- Interaction with faculty students and staff.
- Verification of relevant documents

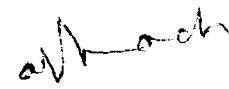
The Committee unanimously recommends that Deemed to be Univesity status under De-Nova category be conferred to Chettinand Academy of Research and Education (CARE) which includes Medical and Nursing Colleges together initially for a period of five years with a provision of annual review.

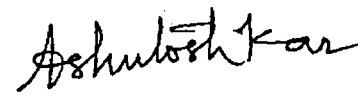

(D.S. Chauhan)
20/8/07

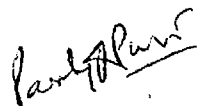

(C.S. Dhull)

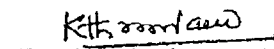

(Sesa Sayee)


(Mrs.) Ratna Prakash


(N.S. Hadke)


(Ashutosh Kar)


(Pankaj Patel)


(Kochu Therisamma)