



Chettinad

Academy of Research & Education

(Deemed to be University Under Section 3 of the UGC Act 1956)

Accredited by NAAC with 'A' Grade



ANNUAL ACTIVITY REPORT

2018 - 19

www.chettinadhealthcity.com

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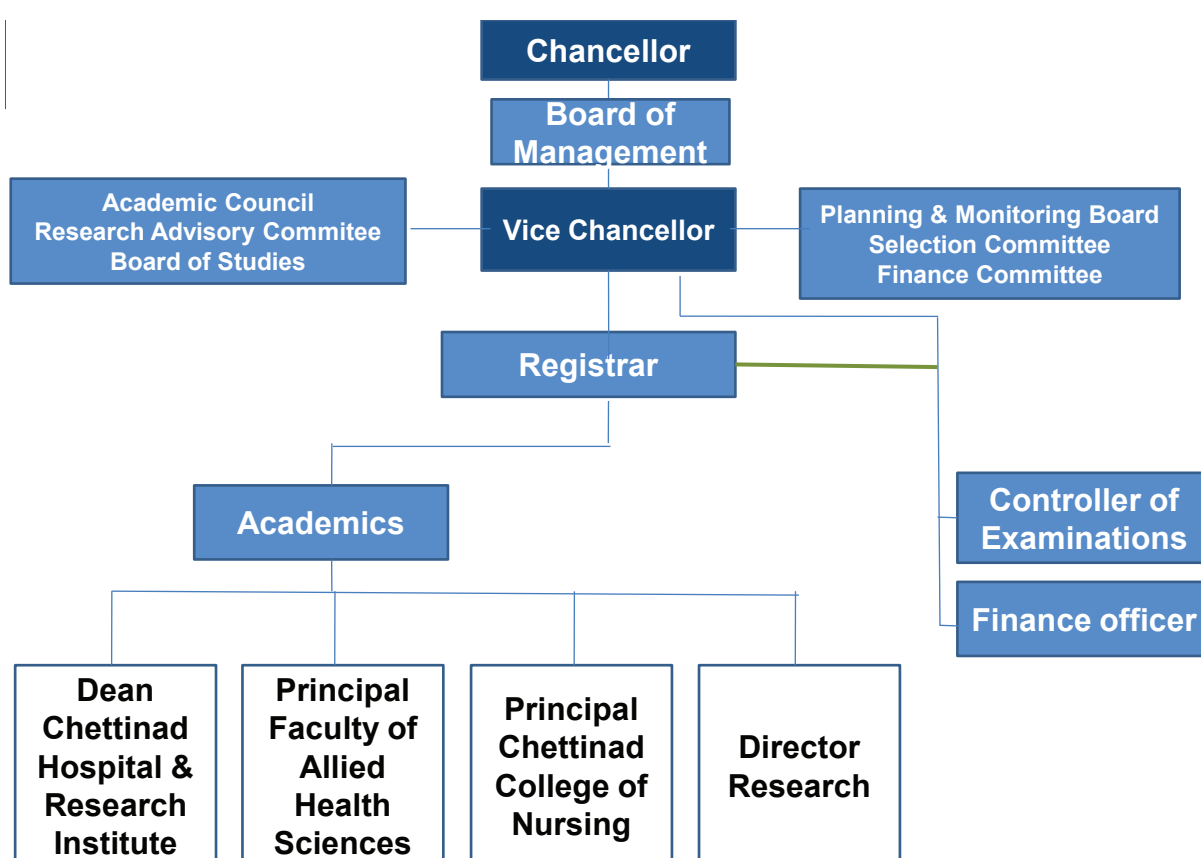
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ORGANOGRAM



ABOUT CARE

Chettinad Academy of Research and Education (CARE), was established and was conferred the status of Deemed to be University in the year 2008. CARE has been accredited with grade A by NAAC and accorded SIRO status by DSIR. In conformity with the motto of the University, Educate, Enlighten and Empower, the academic programs offered are professional, job oriented and innovative. CARE offers 59 academic programs in faculty of Medicine, Nursing , Allied Health Sciences (AHS). Program range includes 8 undergraduate, 43 post graduate, 1 postgraduate diploma, 7 super speciality courses and Doctor of Philosophy. Most of these courses are interdisciplinary and as per emerging needs.

Choice Based Credit System pattern is followed in many programs and is integrated with research projects that engage students in a deep dive through research. Potential of employment for students in industry is established through internships, live projects and industrial training. Course curriculum of all the schools is designed and periodically reviewed and revised with industry, practitioners and academic experts guidance to make the students work ready as well as world and future ready.

CARE has 2500+ students pursuing their UG, PG or PhD education in an academic year. First generation graduates from rural and semi urban areas contribute to a significant proportion of our students. Equal opportunity is provided for students of all categories including socially and economically backward classes. Deserving students are offered upto 100 % as scholarship. CARE offers excellent teaching with latest teaching aids. Mentorship programs offer the required academic and mental support to students through skills and simulation labs. In addition to freshers orientation, CARE offers wide range of value-added courses like BLS, ACLS, IPR & Ethics, Health Economics, Yoga, Complementary Medicine and Communication and IT skills. Anti ragging committee ensures the campus environment student friendly. Placement assistance is provided to students through counselling and placement cell.

The Intellectual Capital of CARE comprises of qualified, accomplished and committed teachers and a well-stocked Library having 20000+ books and 3000+ e-journals and data base that form the backbone of the CARE. Faculty update their knowledge on contemporary teaching learning techniques through faculty development programs, workshops and Continuous Learning Initiatives. The mission of CARE is to have talented faculty and students' pool to address key and emerging problems with implications for humanity in the current millennium. Research advisory committee and IPR Cell of CARE supports focused cohesive research and have on board faculty of international repute with the aim of improving research. Translational research focuses on thrust areas such as nanotechnology and biotechnology for innovation, import substitutions & diagnostics etc. CARE has established State of art instrumentation facility for biomedical research and a CPCSEA -approved animal house facility for testing.

CARE has started attracting extramural funding from Government agencies like DST, DST Indo-Italy, DST-ECR, DBT, CSIR, ICMR, RSSDI etc, for research projects on colorectal cancers, use of marine based compounds for drug discovery, nanoprobe for diagnostics and insulin resistance in diabetics respectively. To promote quality research, CARE offers JRF for full time PhD scholars, Post-doctoral fellowship and seed money for faculty research. Short research projects are incorporated in the undergraduate curriculum and medical undergraduates are encouraged to take up the ICMR Short term studentship. CARE has 1000 + research publications, has filed 30+ patents and organizes conferences, workshops and seminars as a regular and ongoing process during every academic year. For promoting and facilitating our research and training capabilities CARE has 40+ active MoUs with renowned academic institutions such as Linkoping University, Sweden, ReGenera Research Group for Aging Intervention & Milano Medical Health Aging Unit, Italy besides MOUs with industries.

The university publishes Chettinad Health City Medical Journal, a quarterly, international, indexed and peer reviewed scientific journal. CARE has a strong focus on E-Learning and has equipped students with laptops/ tablets and has Chettinad Learning Management System (LMS), a Networked Learning Environment (NLE), in which students can view instructional content, collaborate with educators, view their academic performance and access learning resources anytime from anywhere. CARE has inclusive administration and transparent evaluation processes. High bandwidth computing facility, central and departmental libraries cater to additional thirst for knowledge. The benefit of translational research of CARE to the society is widened through our extension activities that provide greater interface with society through field and service related programs. Commitment to society by CARE is well exemplified by the health promotion activities in the 12 villages adopted. CARE also collaborates with government and NGOs in all health initiatives in these villages.

Holistic development of students is ensured by participation in sports, games and cultural activities. To facilitate this, indoor stadium, swimming pool, football and cricket grounds, tennis and basket ball courts, 400m synthetic track and a gymnasium are available for the students. Student fest "Fusion Chettinad" is an annual event organised by the students every year that has participation of Pan Chennai & Pan Tamil Nadu students. Two state of the art auditorium with 1200 and 500 seating capacity, equipped with advanced acoustics are available in the campus. Our students have received several awards in inter-collegiate events. The university takes pride in its green campus. Use of renewable energy sources, water recycling, vehicle free green zones and cycles for in-campus mobility make the campus eco-friendly. The self-contained wi-fi enabled campus houses Hospital, academic and administrative blocks, hostel for girls, boys and apartments and villas for staff and faculty. Campus security is ensured through turnstile, CCTV camera and access control at strategic locations. In addition to the above, Bank Counters, ATMs, food courts, stationary shop, gymnasium and beauty parlour make life at CARE good and enjoyable.

Towards quality in higher education, CARE has focused on accreditation and recognition through reputed agencies like NAAC, NABL, DSIR, etc. With the unique advantage of interdisciplinary faculty, well established infrastructure, state of the art research facilities and innovative teaching, training and research programs, CARE is advantageously placed to pursue its journey of achieving excellence in "Teaching and Research in Interdisciplinary and Emerging Areas in Medicine and Health".

OUR VISION

A global centre for excellence in learning, teaching, research, health care and service to the community.

OUR MISSION

- ⚙ Create a nurturing and supportive environment to ensure a fulfilling, demanding and intellectually stimulating experience for the students.
- ⚙ Enable students to imbibe values, cultivate a desire for lifelong learning and maximize their potential.
- ⚙ Prepare students for employment in the global arena.
- ⚙ To establish a team of well qualified faculty that will enable the institution to grow holistically.
- ⚙ Provide the best state-of - art infra structure.
- ⚙ Offer quality health services to all strata of society.
- ⚙ To facilitate independent innovative research and translational research
- ⚙ To contribute to the social and economic development of the nation.

QUALITY POLICY

Chettinad Academy of Research & Education (CARE) shall strive hard to offer quality education in medicine and allied specialities, patient care and research of highest standards. CARE shall constantly review and upgrade all its policies and procedures to achieve the same.

RECOGNITION, ACCREDITATION & MEMBERSHIP

- ⚙ The Government of India declared Chettinad Academy of Research and Education as Deemed to be University as per MHRD Notification 4th August 2008 vide letter ref. No. F.9-48/2006-U.3(A).
- ⚙ Accredited with grade "A" by NAAC
- ⚙ Approved by MH&FW and MCI, New Delhi
- ⚙ Approved by INC, New Delhi
- ⚙ Annual NIRF Participation (Rank Band 101-150)
- ⚙ Accorded SIRO status by DSIR
- ⚙ CPCSEA approved Animal Ethics Committee
- ⚙ DCGI approved Human Ethics Committee
- ⚙ Registered with INFLIBNET
- ⚙ Member of the Asia Pacific Quality Network
- ⚙ Member of Association of Indian Universities
- ⚙ NABL accredited Clinical Laboratories

CARE AT A GLANCE

02

COLLEGES

08

PROGRAMMES
(UG)

50

PROGRAMMES
(PG)

01

PROGRAMMES
(PhD)

447

STUDENTS
(UG)

119

STUDENTS
(PG)

20

STUDENTS
(PhD)

350

FACULTY

45.42%

WOMEN FACULTY
MEMBERS

CARE AT A GLANCE

27,000+

BOOKS

6,000+

E - JOURNALS

16

STATE
REPRESENTATIONS
ON CAMPUS

35+

MOUs SIGNED

12

VILLAGES
ADOPTED

1,902

ALUMNI

1,180

HOSPITAL
NO. OF BEDS

07

SUPER
SPECIALITIES

40+

VALUE ADDED
COURSES

BOARD OF MANAGEMENT

The Board of Management shall be the Principal organ of Management and the final decision making apex executive body of the Institution Deemed to be the University. The following all the members of the team that is instrumental in materializing all that is envisaged by the founders.



Dr. T. Balasubramanian
Vice Chancellor, CARE
Chairman



Dr. (Ms) P. Selvie Das
Former Vice Chancellor of Mysore
University & Former UGC member



Dr. Revathy Maharajan
Nominee of the Trust



Dr. S. Giridhar
Associate Professor, Neonatology
Nominee of the Trust



Dr. P.V. Hayavadhana Rao
Nominee of the Trust



Dr. B. Santhakumar
Dean of Faculties, CHRI



Dr. Veena M Joseph
Principal of Faculties,
Chettinad College of Nursing



Dr. V. Raji
Former Vice Chancellor,
CARE



Dr. R. Radhakrishnan
Eminent Academician



Dr. R. Rajesh
Eminent Academician



Dr. D. Rajasekaran
Professor & HOD., Medicine



Dr. B. Balamurugan
Professor, Anesthesiology



Mrs. S. Jeyendrasaraswathi
Registrar, CARE
Secretary

FINANCE COMMITTEE

The Finance Committee is a body vested with the powers to consider the Annual Accounts and Financial estimates of the Institution Deemed to be University.

Dr. T. Balasubramanian	-	Chairperson
Dr.D.K.Paliwal	-	UGC Nominee
Mr.C.Muthukumar	-	Chartered Accountant
Mr. SP. Palaniappan	-	Chartered Accountant
Dr.P.Rajesh	-	Principal, CDCRI
Ms. R. Vijayalakshmi	-	Secretary

ADVISORY COMMITTEE

Dr. T. Balasubramanian	-	Chairperson
Dr. B. Santhakumar	-	Dean
Prof. Rajpal Singh	-	Representative of UGC
Dr. N. Chidambaram	-	Outside Expert

PLANNING AND MONITORING BOARD

The Planning and Monitoring Board shall be the Principal planning body of the Institution Deemed to be University and shall be responsible for the monitoring of the development program of the Institutions.

Chairperson

Dr. T. Balasubramanian

One Nominee of the UGC

Dr. Anuradha Banerjee

Three outside Eminent Experts

Dr. P. Kaliraj

Dr.H.Devaraj

Mr. V. Chandramoleeswaran

Seven Internal Members

Dr. R. Murugesan

Dr. K.Subramaniyan

Dr. Sripathi Kandula

Dr. Veena M. Joseph

Mr. M. Manickam

Dr. Koyeli Girigoswami

Mrs. R. Vijayalakshmi

Secretary

Mrs.S.Jeyendrasaraswathi

BOARD OF STUDIES

Every course / group of courses has a separate Board of Studies

Chairperson

Dr. B. Santhakumar Dean, CHRI

Dr. Sripathi Kandula Principal, FAHS

Dr. Veena M Joseph Principal, CCN

There shall be a Board of Studies for the following courses / group of courses / group of subjects

Under the Faculty of Medicine

For UG programs

M.B.B.S. Pre clinical courses

M.B.B.S. Para clinical courses

M.B.B.S. Clinical courses

For PG programs

M.D. Pre and Para clinical programs

M.D. Clinical programs

M.S. Clinical programs

D.M. Clinical programs

M.Ch. Clinical programs

PG Diploma in Clinical Embryology

Under the Faculty of Allied Health Sciences

For UG programs

B.Sc. 3 year programs

B.Sc. Medical Biotechnology

B.Sc. Medical Bionanotechnology

B.Sc. Medical Genetics

B.Sc. Counseling Psychology

B.Sc. (3+ 1 year) program

B.Sc. Allied Health Science

For PG programs

Board – I : 2 year M.Sc. Interdisciplinary programs

M.Sc. Marine Pharmacology

M.Sc. Clinical Research and Experimental Medicine

M.Sc. Human Nutrition

Board – II : 2 year M.Sc. Interdisciplinary programs

M.Sc. Medical Biotechnology
M.Sc. Medical Bionanotechnology
M.Sc. Tissue Engineering and Regenerative Medicine
M.Sc. Medical Genetics and Molecular Diagnostics

Board – III : 2 year M.Sc. Interdisciplinary programs

M.Sc. Occupational Health and Industrial Safety
M.Sc. Health & Yoga
M.Sc. Counseling Psychology

Board – IV : M.Sc. (2 year and 5 year Integrated) Allied Health Science programs**2 year programs**

M.Sc. Allied Health Science (Echocardiography and Cardiovascular Imaging Technology)
M.Sc. Allied Health Science (Radiology and Imaging Science Technology)

5 year Integrated programs

M.Sc. Radiology and Imaging Science Technology
M.Sc. Cardiac Technology
M.Sc. Renal Dialysis Technology
M.Sc. Medical Laboratory Technology
M.Sc. Respiratory Care Technology
M.Sc. Perfusion Technology
M.Sc. Neuroscience Technology

Under the Faculty of Nursing**For UG programs**

B.Sc. Nursing
Post Basic B.Sc. Nursing

For PG programs

M.Sc. Mental Health (Psychiatric) Nursing
M.Sc. Child Health (Pediatric) Nursing
M.Sc. Medical Surgical Nursing
M.Sc. Community Health Nursing
M.Sc. Obstetrics and Gynecology Nursing

ACADEMIC COUNCIL

The Academic Council shall be the Principal Academic body of the Institution Deemed to be University and shall have the control over, and be responsible for, the maintenance of standard of teaching, research and training, approval of syllabus, coordination of research activities, examinations and test conducted by the institutions Deemed to be University.

RESEARCH ADVISORY COMMITTEE

Chairperson

Prof. Dr. Sarman Singh

External Members

Prof. Dr. K.M. Paknikar

Prof. Dr. T. J. Pandian

Prof. Dr. D. Chandramohan

Prof. Dr. B. Gopalan

Prof. Dr. Latha Venkatesan

Prof. Dr. Muralidhar Kambadur

Prof. Dr. P. Kaliraj

Internal Members

Prof. Dr. T. Balasubramanian

Prof. Dr. R. Sabaratnavel

Prof. Dr. R. Murugesan

Prof. Dr. D.C. Mathangi

Prof. Dr. N. Meenakshi

Prof. Dr. D. Rajesekaran

Prof. Dr. N. Srinivasan

Prof. Dr. V.G. Ramesh

COMMITTEES

As per the norms of the UGC (Institutions Deemed to be Universities) Regulations the following committees were constituted.

The Grievance Redressal Cell for teaching staff

The Grievance Redressal Cell for Teaching Staff was constituted for the welfare of the teaching staff. They may address any grievance to the committee and the committee shall redress the same within 14 days.

Anti Ragging Committee

The Anti ragging Committee was constituted to monitor a strict vigilance to curb the menace or Ragging in the campus of the constituent Colleges.

The Grievance Redressal Cell for students

The Students Grievance Redressal Cell was constituted for the welfare of students, and to address if any grievance to the committee. The committee shall redress the same within 14 days. If the grievance is not redressed within the stipulated period of time or if they are not satisfied with the redressal, the petitioner may approach the Dean/Principal of the respective College who shall address the issue in consultation with the College Council. If not satisfied, the petitioner may approach the final authority of the University comprising of the Vice Chancellor and Registrar.

The Grievance Redressal Cell for Non teaching staff

The Grievance Redressal Cell for Non Teaching Staff was constituted for the welfare of the non teaching staff. They may address any grievance to the committee and the committee shall redress the same within 14 days.

Students Counseling Committee

The Students Counseling Centre was constituted for counseling the students and creating anti ragging awareness among the students.

Committee for Preventing Sexual Harassment of Woman

As per the guidelines of the University Grants Commission all efforts has to be taken to ensure the safety of Women and programs for Gender sensitization on campuses. With this objective in mind the Compliance Cell for preventing Sexual Harassment of Women was constituted. The committee shall meet at frequent intervals to discuss the complaints, if any, received and issues related to Gender discrimination and gender based harassment.

Career Counseling Cell

The Career counselling and Placement Cell was constituted for guiding the students for better career opportunities by placements in different industries/hospitals and other institutions.

Outreach Committee

The Outreach Committee was constituted to improve need based outreach programs pertaining to Health camps, awareness programs and training programs in and off campus.

International Students Cell

The International Students Cell was constituted to guide admission of International Students as per the Guidelines of the UGC and to act as an intermediary between foreign students and different stakeholders.

Library Committee

The Library committee was constituted to recommend various books and journals for the library based on the Academic requirements of the Colleges.

Disaster Management Committee

The Disaster Management Committee was constituted for the overall supervision and co-ordination of disaster management.

Equal Opportunities Cell

The Equal Opportunities Cell was constituted for the welfare of the deprived groups for learning and creating space for them to mainstream themselves. It is the duty of the Cell to oversee the effective implementation of policies and programmes for disadvantaged groups (SC/ST, OBC, Minorities, Jain, Physically challenged) to provide guidance and counseling with respect to academic, financial, social and other matters and to enhance the diversity within and outside the campus.

Institutional Human Ethics Committee

The Institutional Human Ethics Committee (IHEC), was constituted to ensure a competent and unbiased review and evaluation of all scientific and ethical aspects of the research projects they receive and ensure the ethical conduct of the same.

Institutional Animal Ethics Committee

As per the CPCSEA(Committee for the Purpose of Control and Supervision of Experiments on Animals) norms, Institutional Animal Ethics Committee (IAEC) has been constituted to supervise and evaluate all aspects of animal care and use program in the institution.

INTERNAL QUALITY ASSURANCE CELL (IQAC)

VISION

- ⚙ To ensure quality culture as the prime concern for the higher education institutions through institutionalizing and internalizing all the initiatives taken with internal and external support

PRIMARY AIM

- ⚙ To develop a system for conscious, consistent and catalytic action that improves the academic and administrative performance of the institution
- ⚙ To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices

GOALS

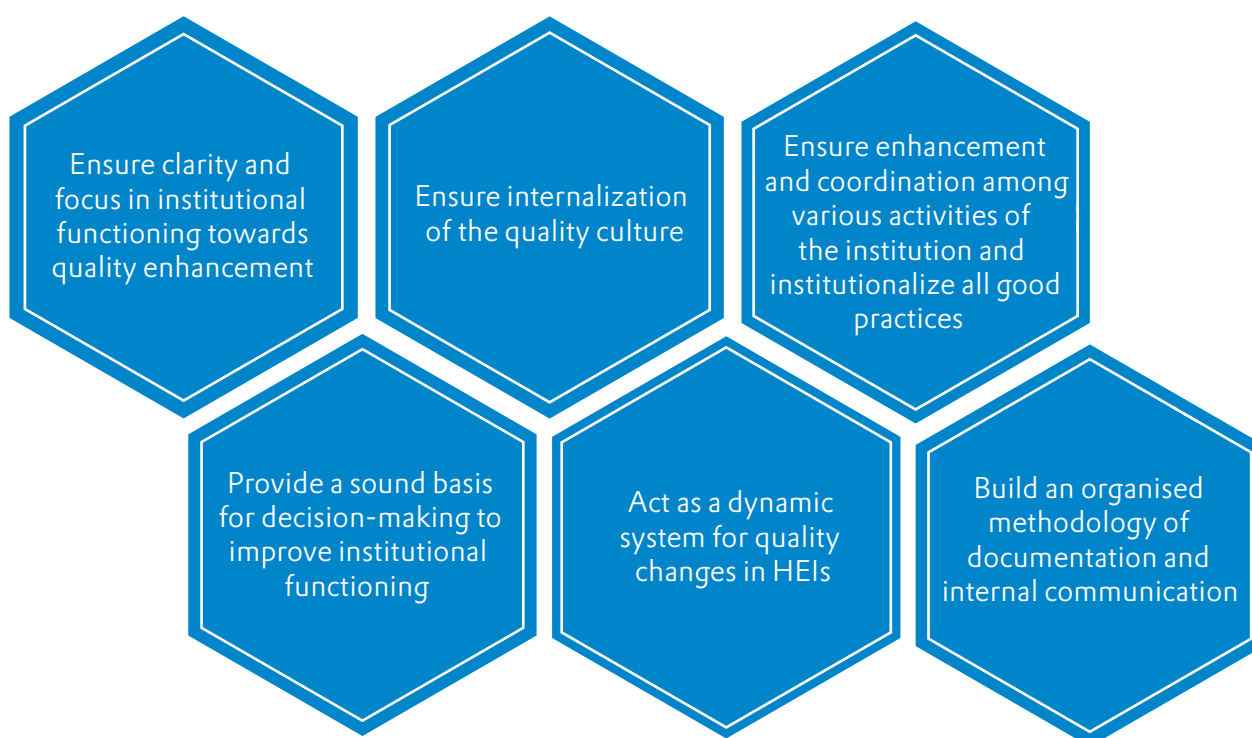
- ⚙ To develop and implement a quality system that improves the academic and administrative standards of the University and constituent colleges of Chettinad Academy of Research and Education
- ⚙ To design and execute procedures that will assist institutional functioning towards constant quality improvement

PLAN OF ACTION

- ⚙ Development and application of quality benchmarks/parameters for the various academic and administrative activities of the University
- ⚙ Conduct of periodical audit of academic and administrative activities of the University
- ⚙ Obtaining and analyzing feedback from various stakeholders leading to improvement in quality
- ⚙ Dissemination of information on the various quality parameters of higher education
- ⚙ Organization of workshops and seminars on quality-related themes
- ⚙ In terms of UGC Regulations 2010, IQAC shall act as the Documentation and Record-Keeping Cell of the University
- ⚙ Preparation of Annual Quality Assurance Report (AQAR) to be submitted to National Assessment and Accreditation Council
- ⚙ Conduct regular meetings of IQAC members

ROLE OF IQAC

- ⚙ Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks
- ⚙ Relevant and quality academic/ research programmes
- ⚙ Equitable access to and affordability of academic programmes for various sections of society
- ⚙ Optimization and integration of modern methods of teaching and learning
- ⚙ Establish credibility of assessment and evaluation processes
- ⚙ Ensuring the adequacy, maintenance and proper allocation of support structures and services
- ⚙ Sharing research findings and networking with other institutions in India and abroad
- ⚙ Departmental dynamic documentation
- ⚙ Collect, collate & validate the data
- ⚙ Establish quality culture
- ⚙ Internationalize quality in HE
- ⚙ Tap innovative ideas of the faculty
- ⚙ Self-assessment leading to continuous improvement
- ⚙ Create a system of multi-cornered feedback
- ⚙ Student participation in decision making
- ⚙ Departmental interactions with IQAC and its impact
- ⚙ Dry run inspection – annual internal quality audit



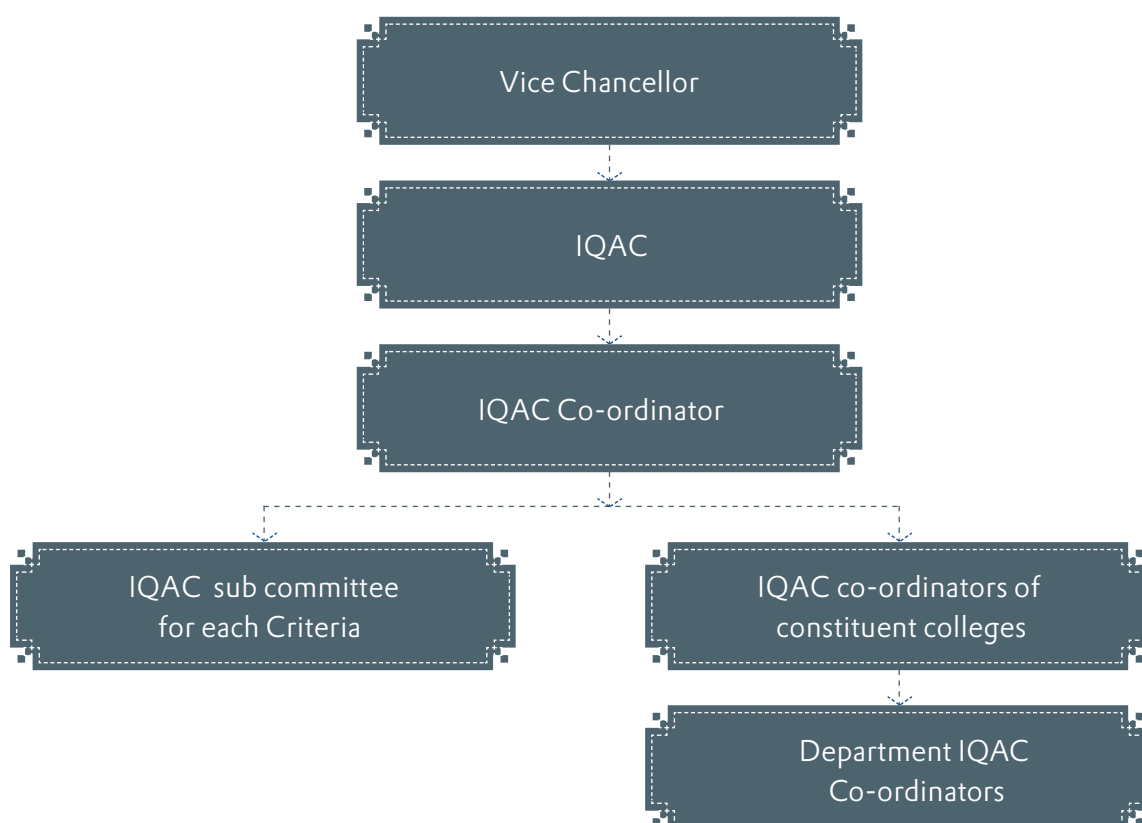
IQAC MEMBERS QUALITY & CREDENTIALIALS

- ⚙ Integrity and excellence in teaching and research
- ⚙ People from various backgrounds
- ⚙ Should be aware of the ground realities of the institutional environment
- ⚙ Commitment to improving the quality of teaching and learning
- ⚙ Senior administrators and persons-in-charge of institutional services such as libraries, computer center, estate, student welfare, administration, academic tasks, examination and planning and development
- ⚙ External experts
 - should be a person who is aware of the institution's objectives, limitations and strengths and is committed to its improvement
 - The local society representatives should be of high social standing and should have made significant contributions to society, particularly in education

TENURE OF MEMBERSHIP

The membership of members shall be for a period of two years.

ORGANOGRAM



CARE MOUs

Sl. No.	List of MoU
1	MoU between ClinRx Laboratories and CARE
2	MoU for Shodhganga (INFLIBNET) between CARE
3	Clinical trial agreement between CHRI (Microbiology) and Wockhardt Ltd
4	MoU between CARE and Wockhardt Ltd
5	Leave & License Agreement between CHRI & AGS Transact Technologies Ltd.
6	MoU between CARE and CDCRI tie up hospital
7	MoU between Tamil Nadu Physical Education and Sports University, New Delhi and CARE
8	Equipment Placement Agreement between M/s. Instrumentation Laboratory India Pvt Ltd, New Delhi and CARE
9	MoU between CARE & Balaji Dental Craniofacial Hospital & Research Institute
10	MoU between CARE and Azidus Laboratories Limited
11	MoU between CARE and Alagappa University
12	MoU between CARE and Ansh Labs LLC, Texas
13	Agreement between CHRI and Reliance Life Sciences Pvt Ltd
14	MoU between CHRI and GK Shetty Builders
15	MoU between CARE & Academy of Maritime Education and Training (AMET)
16	Reagent Purchase Agreement between CARE and AK Enterprises
17	MOU between CHRI and CASA GRAND Pvt Ltd
18	MoU between CARE & Linkoping University, Sweden
19	MoU between CHRI & L & T Construction Pvt Ltd
20	MoU between CHRI and St. Joseph College of Engineering
21	MoU between CHRI and URC Construction Pvt Ltd

22	MoU between CARE and Aditya Jyot Institute of Vision Science & Research, Maharashtra
23	MoU between CARE and Mahalakshmi Lab & X-ray, Vellore
24	MoU between CARE and VIT, Vellore (Primary Health Centre)
25	MoU between CARE and Crescent Innovation and Incubation Council
26	MoU between CARE and BS Abdur Rahman Crescent
27	MoU between CARE and University of Calcutta
28	MoU M/S Metropolis Health Care Limited Mumbai, CARE
29	Agreement for collection, transportation, treatment and disposal of biomedical wastes by M/s. GJ Multiclave India Pvt Ltd and CARE
30	MoU between Michelin India and CHRI
31	MOU between CARE & ReGenera Research Group for Aging Intervention & Milano Medical Health Aging Unit Genomic & Biotechnology, Italy
32	Food Services Agreement by M/s. Sodexo Foods Solutions India Private Limited (Extension)
33	MoU between Dr. Ganesan's Hitech Diagnostic Centre Pvt. Ltd and CHRI Lab
34	MoU between Vimta Labs Ltd and CHRI Lab
35	MoU between Neolife hospital Pvt. Ltd and CHRI lab
36	MoU between Aarupadaiveedu medical college and Hospital and CHRI Lab
37	MoU between CARE & VISTAS (Vels) (Extension)

CONFERENCE / SEMINAR / WORKSHOP / GUEST LECTURE / CME / IQAC INITIATIVES

Sl. No.	Event	Dates	Description
1.	CME / Guest lecture	03.08.2018	Breast Feeding Foundation of life & Nourishment for life
2.	CME / Guest lecture	10.08.2018	CME on Epilepsy
3.	Conference	18.08.2018	CHETMEDICON 2018
4.	CME / Guest lecture	23.08.2018	Allergy Testing Program
5.	CME / Guest lecture	24.08.2018	Thyroid Disorders in Pregnancy
6.	CME / Guest lecture	24.08.2018	Respiratory Infections - Perspectives in Clinical Microbiology, Infection control and Antimicrobial Guidelines
7.	CME / Guest lecture	31.08.2018	Approach to soft tissue Lesions
8.	Workshop	06.09.2018	Workshop on Learning outcome oriented Course Design
9.	CME / Guest lecture	25.09.2018	Emerging Pneumonia Issues & Current dilemma" (EPIC)
10.	CME / Guest lecture	27.09.2018	Faculty Development Initiative for mapping of course outcome through internal assessment criteria
11.	Conference	30.09.2018	Chettinad International Fertility Colloquium
12.	Conference	05.10.2018 to 07.10.2018	SOUTH NEOCON, CHENNAI, 2018 - 12th Annual South Zone Neonatology Conference & 15th Annual Convention of National Neonatology Forum, Tamilnadu State Chapter
13.	CME / Guest lecture	10.08.2018	CHET Neuro-update - Department of Neurology - CHRI
14.	CME / Guest lecture	11.10.2018	Design of Value added programs for better placement Opportunities
15.	CME / Guest lecture	24.10.2018	Genitourinary Problems After Menopause
16.	CME / Guest lecture	24.10.2018	Internal Quality Assurance Cell - Clues for Anticancer Leads from Ocean Derived Molecules – A Long Road Ahead Current Trends in Skill Development
17.	CME / Guest lecture	02.11.2018	Precision Medicine : Does proper diagnosis of Diabetes make a difference in therapy?
18.	CME / Guest lecture	08.11.2018	Infections in Pregnancy
19.	CME / Guest lecture	14.11.2018	Interactive CME on World Diabetes Day

20.	CME / Guest lecture	14.11.2018	Women and Diabetes
21.	CME / Guest lecture	15.11.2018	Current Strategies in Prevention of Preterm Labour
22.	CME / Guest lecture	15.11.2018	Management of diabetes in Children and adolescents
23.	CME / Guest lecture	16.11.2018	Management of diabetes in special situation- Hypoglycemic events
24.	CME / Guest lecture	17.11.2018	Interactive session on Diabetes Mellitus
25.	CME / Guest lecture	17.11.2018	Women Empowerment
26.	Conference	17.11.2018	CHETPATHCON 2018
27.	CME / Guest lecture	20.11.2018	Management of diabetes in special situation- Sick days / hospitalised and ICU patients
28.	CME / Guest lecture	21.11.2018	Newer management devices in Diabetes
29.	Conference	01.12.2018	CHETANCON 2018
30.	Conference	14.12.2018 to 15.12.2018	National Conference on Quality Indicators and Benchmarks for Health Science Institutions
31.	CME / Guest lecture	21.12.2018	Competency based medical curriculum for medical graduates
32.	CME / Guest lecture	04.01.2019	Renal Disease – A Practical Approach
33.	Seminar	10.01.2019	Seminar on Tools for E-Learning content development
34.	CME / Guest lecture	18.01.2019	Flexor Tendon Injuries
35.	CME / Guest lecture	25.01.2019	Gender Equity under Indian Constitution
36.	CME / Guest lecture	30.01.2019	Current Trends In Koch's Disease In Tamilagam Stake Holders Of Its Control And Existency Of The Disease My Roadmap For Youngsters & Yesters For The Surgical Faternity
37.	Workshop	31.01.2019	Workshop on applying Blooms Taxonomy on Question paper setting
38.	Conference	07.02.2019 to 09.02.2019	Evolving Trends In Learning Physiology - 7th to 9th February 2019
39.	CME / Guest lecture	08.02.2019	Making of A Surgeon

40.	CME / Guest lecture	09.02.2019	Fluid Management
41.	Seminar	15.02.2019	Seminar on Feedback from stakeholders as an indirect measure of attainment
42.	CME / Guest lecture	19.02.2019	Approach To Goitre & Overview Of Carcinoma Breast
43.	CME / Guest lecture	07.03.2019	Thyrovision
44.	CME / Guest lecture	07.03.2019	Tools for automating Student Satisfaction Survey
45.	CME / Guest lecture	09.03.2019	Is Infertility Preventable?
46.	CME / Guest lecture	20.03.2019	Endocrine Emergencies Recognition and Treatment
47.	CME / Guest lecture	22.03.2019	Approach to Peripheral Vascular Disease
48.	Workshop	04.04.2019	Workshop on Sensitization of clinicians on availability of Extra Mural funding for research
49.	CME / Guest lecture	11.04.2019	Interactive session on Facing your first interview
50.	Seminar	18.04.2019	Seminar for students on Service with Empathy
51.	Workshop	24.04.2019	Sensitization on New RAF of NAAC
52.	CME / Guest lecture	25.04.2019	Environment Friendly ecosystem - Student Sensitization Program
53.	Workshop	30.04.2019	Workshop on Capacity Building
54.	Seminar	02.05.2019	Seminar on sensitization on Intellectual Property Rights for researchers
55.	Workshop	10.05.2019	Workshop - Scientific writing for Research Scholars and faculties
56.	CME / Guest lecture	17.05.2019	Cruelty and its forms
57.	CME / Guest lecture	17.05.2019	Motivational Talk on Life Long Learning
58.	Workshop	06.06.2019	Workshop on sensitization of students on SWAYAM Online Courses
59.	CME / Guest lecture	13.06.2019	Coaching program for PG NEET Examination
60.	Workshop	17.06.2019 to 19.06.2019	Curriculum Implementation Support Program in CHRI

61.	CME / Guest lecture	20.06.2019	Management and Leadership Program for Clinicians and Scientists
62.	CME / Guest lecture	21.6.2019	GUT Microbiome
63.	Conference	26.06.2019 to 27.06.2019	National Conference on Alcohol in Health, Disease and Research (AHDR 2019)
64.	Seminar	27.06.2019	Seminar on Quality of Research Publication and Plagiarism
65.	CME / Guest lecture	27.06.2019	Self defence
66.	CME / Guest lecture	04.07.2019	Coaching Program for CSIR UGC NET Examination
67.	Conference	05.07.2019	CHET VIROCON 2019
68.	Workshop	15.07.2019	Workshop on Bridging the gap - Industry and Institute
69.	Seminar	26.07.2019	Seminar on Alumni Engagement for Enriching Academic Outcome
70.	CME / Guest lecture	26.07.2019	Recent advances in sports medicine

INFRASTRUCTURE AND LEARNING RESOURCES

SELF CONTAINED CAMPUS

ECO FRIENDLY CAMPUS



Eco-Friendly Environment



CLEAN & GREEN CAMPUS

- ⚙ Around 50 Acres of Greenery
- ⚙ Over 7000 Trees
- ⚙ Over 100 Species of Plants and Trees
- ⚙ Nearly 10 Acres of Landscaping
- ⚙ Green walls (with plants)
- ⚙ Motor Vehicle Restricted Area
- ⚙ Cycles for Students and Patients' Attenders
- ⚙ Battery operated Car for visitors commuting

An Eco-friendly Campus is a place where education is coupled with environmental friendly practices to promote sustainable and eco-friendly practices. The green campus concept offers an institution the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of the mankind.

- ⚙ Saving Energy
- ⚙ Waste Water Management
- ⚙ Solid Waste Management
- ⚙ Rainwater Harvesting
- ⚙ Reducing the Hard Readout Material towards making Offices Paperless
- ⚙ Energy Audit

Are being adopted in this campus which contribute to Eco-friendliness.

TRANSPORT

Comfortable and convenient air-conditioned bus transport is provided to the students residing in & around the city of Chennai, for easy transportation to the institute and back. Pollution free battery driven vehicles are operated for transport within the campus. In addition bicycles are available for use within the green zone areas of the campus for students & faculty.



Air-Conditioned Bus



POLLUTION FREE BATTERY DRIVEN CARS AND BICYCLES FOR TRANSPORTATION INSIDE THE CAMPUS

Electric cars run on electrically powered engines and hence there is no need to power or lubricate the engines with hydrocarbons. The maintenance cost of these cars is very minimal compared to that of a conventional Fuel Operated or a Hybrid Car. Electric cars put curb on noise pollution as they are much quieter. Electric motors are capable of providing smooth drive with higher acceleration over longer distances. Increased transportation efficiency is the best place to start efforts to reduce emissions of carbon dioxide (CO₂), which is the primary cause for global warming.



Battery Cars & Bicycles

With a good cycle network with Park and Ride facility, cyclists may join or leave the bike bus at various points along the route. Commuting in cycle by the students has become popular, safer and enjoyable. Riding to various places in the campus boosts energy and a level of emotional security instilled after cycling, particularly for female students.

SAFE AND SECURE CAMPUS

Closed-circuit television (CCTV), also known as video surveillance is the use of Video Cameras to transmit a signal to a specific place, on a limited set of monitors. Through point-to-point (P2P), point-to-multipoint (P2MP), wired links every inch of the campus is monitored from Single Point. over 600 cameras have been installed in the campus.

Round the Clock Security Personnel : Nearly 68 Security Personnel have been deployed at various sensitive points all over the campus who manually check visitors, when needed and control movement of vehicles inside the campus. Scanners at appropriate places enable curtailing students carrying mobile phones inside the Lecture Halls and Class Rooms.



Complaint Management System : CMS of the Infrastructure is operated with a Common Complaint Desk enabled with a Hot Line which receives complaints, tickets raised, deputed specific personnel or Engineers to attend to it. The Complaint is closed after verifying with the complainant about the status as completed'.

TURNSTILE AND ACCESS CONTROL

The University area of the campus is completely cordoned off from the Hospital block wherein, only Students and Staff can gain entry into the University. 14 Nos. Turnstiles are installed at various locations of the line separating the Hospital and the University. Visitors and Contract Workers are prompted to register their identity and the place where they want to visit and whom to visit and will be allowed to gain access to the University area with proper guidance.



Turnstiles with Biometric Access Control

WIFI ENABLED CAMPUS

Our University Campus and Hostels are Wi-fi enabled. Students can access the internet at whatever place they are and make use of the LMS Facility as well.



WIFI Campus



GREEN ZONE AND TOBACCO FREE ZONE

Green Campus is a Cleaner, Safer and Healthier Place to Live and Work. Nearly 40% of the campus is maintained as Green Zone. No vehicles are allowed inside this area. Only Battery operated Cars are used to commute Patients. Electric bikes are used by the Maintenance Staff and Security Personnel to go on rounds within the campus.

Nearly 200 meters in the vicinity of the campus is demarketed as Tobacco Free Zone. Vendors and shops around the campus are advised not to sell tobacco products.

Infrastructure at CARE



புகையிலை இல்லா கல்வி நிறுவனம்
 இந்த கல்வி நிறுவனத்தின் வளாகத்திலிருந்து 100 மீட்டர் சுற்றளவிற்கு
 புகையிலை வாகனங்கள் சேமித்து வைப்பது, பயன்படுத்துவது மற்றும் விற்பனை செய்வது
 சட்டப்படி தடை செய்யப்பட்டுள்ளது
 (புகையிலை தடுப்புச் சட்டம் - 2003, பிரிவு - 6 (b))
Tobacco Free Zone
 Storage, Usage & Sale of Tobacco Products within 100 meters of this institution is banned
 (COTP ACT - 2003, Section - 6 (b))

Tobacco Free Zone



MULTI CUISINE FOOD COURT

A Multicuisine Food Court with 6 Food Counters, a juice Counter and a Coffee Shop is operated inside the premises. Students and Staff of our University make use of this facility. Along with this facility that is contiguous, there are counters of multiple food vendors. This provides a common area for self-service, a common dining area with a large screen television facility provides the users of Food Court entertainment while eating. Cafe Coffee Day Kiosk is operated inside the Campus with access to public.



Multi Cuisine Food Court

BANK AND ATM'S

The campus has a full fledged Bank – Axis Bank, with an Extension Counter where payment of Students' Fee is routed through. With the general Public being able to make use of this bank it becomes easier for the Patients' Visitors to make use of the ATM facility of this bank for the Hospital expenses. Besides, a HDFC ATM also functions inside the premises.



Bank & Atm's

UNISEX SALON

Men's Beauty Parlour, Ladies' Beauty Parlour and a Spa are housed inside a Unisex Salon, a facility that only the staff and students can make use of. In addition there is also a salon that functions inside the Boy's Hostel and a Beauty Parlour in the Girls' Hostel.



RAIN WATER HARVESTING

A 200 KL Pond is arranged in the North East Corner of the Campus to Conserve Rain Water. Nearly 14 RWH Pits have been established all around these replenish Campus. These 2 structures charge the Ground Water Level whenever it rains and during monsoon season.



WASTE WATER RECYCLING

Black Water from the Toilets and Grey Water from the Canteen and Laboratories are treated in our Sewage Treatment Plants (capacity of 2x600 KLD) - One of SURFACE AERATION TYPE and the other of MBBR TYPE. A total of 1.2 MLD of sewage is being treated per day with 1.1 MLD of Treated Water Generated. In this way all the sewage (100%) generated is being treated in the 1.2 MLD Capacity plant. The treated water of this plant is used entirely for the campus' Garden Watering. A part of this treated water is softened and is used as a make-up water for the Cooling Towers of our A.C. plant. The sludge generated out of treatment of Sewage is used as manure after drying. This way our campus makes best use of Recycled Water.



Waste Water Recycling



RO PLANT

A 5 KL / Hr. RO Plant is under operation in our Campus. On an average 750 Bubble Top Bottles are bottles in this plant and is used in our premises. This plant also caters the needs of Drinking Water of other Group Companies.



RO Plant



ESCALATORS

Two sets of Escalators, one in Hospital Block and the other in College Block serve Patients and Students. The Hospital Block connects the Ground Floor of the General Hospital and the 2nd Floor of the Super Speciality Hospital. This not only saves lengthy walk but also reduces over-crowding of the 4 elevators in the vicinity of this facility. The College Block Escalator enables students and staff to reach 2nd floor from the Ground Floor.



Hospital & College Block Escalators

AMBULANCE

Our Hospital is supported with 24 x 7 Ambulance Service with 4 Tempo Traveller Ambulances and 4 OMNI Ambulances. Besides, a Dental Ambulance forms a part of this fleet which is used for Camps.



In Campus Hospital & Ambulance

FACILITIES

Well qualified, experienced and dedicated professionals and a magnificent infrastructure are hallmark of this campus.



Lecture Theatre

Lecture Theatres

Seven state - of - the - art lecture theatres, with seating capacities varying between 100 and 300 each, are equipped with the latest audio visual aids. CARE has 11 Lecture theatres, 50 Demo Halls.

Well stacked Library

Spread over 34625.68 sq.ft., the library is well-stocked with the latest editions of professional books (both Indian and International), magazines and journals. In tune with the times, a virtual library with internet access, Medlar search facilities, media resource services, computerized database access and E-access are also available for journals and –e books.



Well stacked Library

⚙ Text Books - 27782

⚙ Print International Journals - 156

⚙ Print National Journals - 125

⚙ E-journals - 6,015

⚙ E-Books - 150000

⚙ CD & Video - 1237

⚙ Virtual Library & No. of computers and internet speed

⚙ Uninterrupted power back up

⚙ Library management software

- 50 (100MBps)

- Available

- Autolib



Laboratories

Laboratories

All basic science departments, Nursing & Allied health sciences departments have well equipped and well ventilated laboratories to provide the students hands on training in respective specialities. A total of 29 Laboratories is available to the students for training purpose. CARE also has state-of-the-art Central Research Laboratory for the best of research in medical sciences thereby becoming a model for Bio-Medical teaching and Translational Research.



Museums

Museums

Each Department maintains its own well-catalogued museum as an effective medium for self learning.

Digital Library and Resource Centre

Chettinad Hospital & Research Institute maintains an excellent bank of digital learning resources including multimedia CDs. High-speed internet access also is offered to students. Our Digital Library is provided with 40 Computer terminals and Internet facility with adequate Books, Journals (National and International), E-information Resources viz DVDs are also present. Online access to Books and Journals and Virtual Library facilities are available.



Digital Library



Acoustic Modeled Auditorium

Acoustic Modeled Auditorium

An air-conditioned auditorium with acoustics of International Standards and a seating capacity of over 1500 is available for all special functions of the University. In addition, a Mini auditorium with a seating capacity of about 400 is also available.

Learning Management System (LMS)

A web- based high-level, strategic solution for planning, delivering and managing all learning / teaching events including online, virtual classrooms, and instructor led course to facilitate "anytime, anyplace" access to learning content.



LMS



Internet Access

Internet Access

Broadband connectivity with a speed of 155 mbps is available throughout the day within the campus. The entire campus is a Wi-Fi enabled. All the medical students are provided with laptops / tablets.

Hostel

The University offers a comfortable living accommodation within the campus, with separate hostels for boys and girls. The hostel mess provides hygienic multi cuisine to suit diverse tastes and preferences, truly making it a home away from home.



Hostel



Utility Center

Utility Center

To meet all the basic needs and stationery requirements of the students, a utility shop is available within the campus that sells stationery and other day to day requirements of the community.

Sports

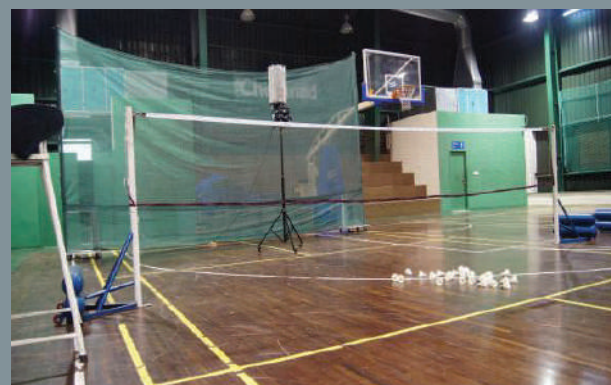
The Chettinad Sports training facility aims to help players improve their sports skills and participate in competitive tournaments in College & at University level. The facility has equipment to provide effective training to student players to improve their performances.



Sports

Sports Facilities

Indoor Sports Courts



Outdoor Sports Courts



Outdoor Sports Pitches



Athletics Tracks





Skills Labs

Skills Labs

Strengthens the competency based healthcare training. It serves as a prototype demonstration & learning facility for medical students & Junior doctors so that they develop desired competencies.

Research Facility

The University focuses on multidisciplinary / interdisciplinary / transdisciplinary research by encouraging the faculty of Allied Health Sciences and the faculty of medicine to interact with each other and solve problems using interdisciplinary approach. The main objective has been “from Bench to Bedside” research with the allied and basic sciences faculty working on issues identified by the clinical departments and developing simple cost - effective solutions. Facilitating in this process is the Central Research Facility comprising of specialty labs like In vivo animal imaging laboratory, Bionanotechnology and high through-put screening laboratory, High performance computing lab for biomarker discovery & drug designing, Tissue culture laboratory, Molecular Diagnostics laboratory, Microbial Genomics Laboratory, Genographic Laboratory, Preclinical laboratory (Neuropharmacology and Clinical Pharmacology).



Research Facility



Examination Hall

Examination Hall

Three spacious and comfortable Examination Halls, with seating capacity varying between 100 and 375 each, are available for smooth and seamless conduct of examinations.

Swimming Pool

A swimming pool is provided in the Boys' Hostel where the inmates of the Hostel make use of the facility in the evenings. A separate Trainer is employed to train and guide the students who use this facility.



Swimming Pool



Gymnasium

Gymnasium

Gymnasium and Yoga Centers are present in the Girls and Boys hostels.

Smart Assist Parking System

A smart assist parking facility is available with separate parking for students, faculty and visitors. the facility has a separate 2 wheeler parking.

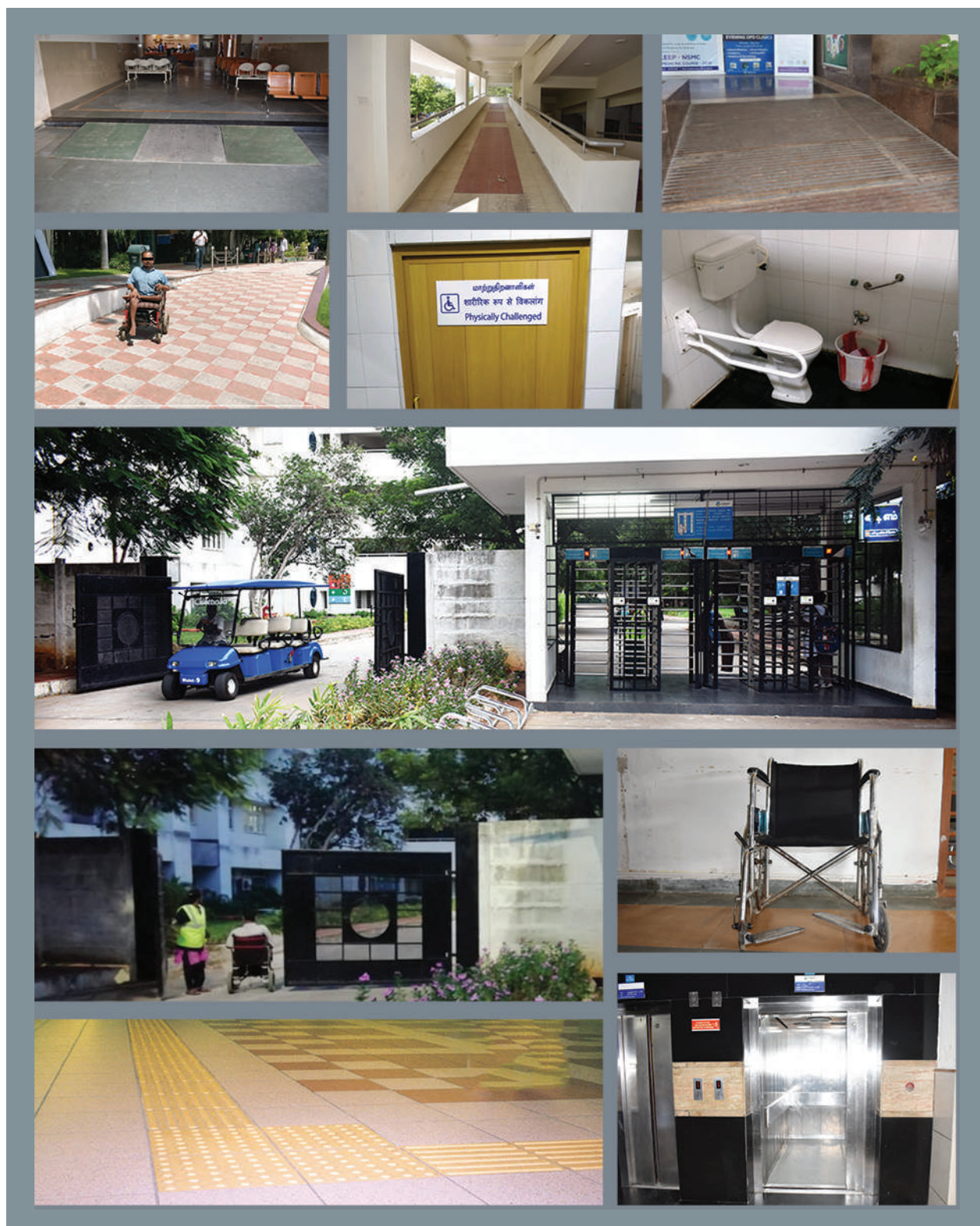


Car & Bike Parking

Infrastructure

Facilities	Available
Residential Accommodation for Faculty - Villa & Apartment	50
Guest House	15
Hostel facilities	692
Boy - Rooms (no. of students)	318 (665)
Girls – Rooms (no. of students)	374 (780)
Non Teaching staff quarters	40
Dormitory (Capacity)	63 (200)
Auditorium (Capacity)	2 (1200 & 500)
Lightning arrestors in all buildings, Uninterrupted Power & Water, Secured Campus with Wi-Fi	

FACILITIES FOR DIVYANGJAN



EXAMINATION & EVALUATION

Examination:

Examination wing is an independent, fully computerized and automated section with the following features functional:-

- a. Database of students
- b. Database of Rules and Regulations of all courses
- c. Database of Panel of Examiners - Updated list
- d. Preparation of Question papers
- e. Preparation of Hall Tickets
- f. Appointment of Examiners
- g. Preparation of Tabulated Mark Register (TMR)
- h. Compilation and declaration of final results
- i. Convocation related data

Evaluation:

a. Internal assessment:

Continuous internal evaluation system is in force. Assignments, Project Work, Seminar and other components of learning methods are also considered for Internal Assessment.

b. End of semester/year examination:

The Examinations (both Theory and Practical) are conducted at the end of each semester / year. All the students pursuing degree programmes (postgraduates, undergraduate and diploma) undergo external evaluation at the end of each semester/year. With regard to practicals and projects, the internal examiners also evaluate the students along with the external examiners. The question papers for the relevant subject are set by external experts of the respective specialty. Answer sheets are encoded with bar coding system before forwarding it to the evaluators and later decoded for preparing tabulated mark register.

Results

Our students have shown consistent performance with excellent results since the inception of this institution.

NATIONAL ACADEMIC DEPOSITORY (NAD)

Chettinad Academy of Research and Education has entered into a Service Level Agreement (SLA) with CDSL Ventures Limited, Mumbai. All the students of Chettinad Academy of Research and Education, needs to register themselves through the Student Registration Portal of CVL (<https://cvl.nad.co.in/NAD/home.action>).

INFORMATION TECHNOLOGY

Sl. No.	Department	Software used
1.	Teaching & Learning	Chettinad Learning Management System
2.	Library	AUTOLIB
3.	Library	Library Management System
4.	Examination	Examination Management System
5.	Hospital Information System, Laboratory Information System, Patient Care	Integrated Hospital E.R.P. System for all transactions from patient entry to exit and reporting.
6.	Purchase, Indent, etc.,	SAGE ACCPAC 500 ERP V 5.5 A
7.	Finance & Accounts	SAGE ACCPAC 500 ERP V 5.5 A
8.	Radiology Imaging Services	PACS system - MEDDIFF (Archival & Retrieval of Radiology Images- Internet Accessible)
9.	Lecture , Demo Halls and Auditorium	Hall Reservation System
10.	Infrastructure	ACCPAC - Complaint Management

FACULTY OF MEDICINE

MISSION

- ⚙ To provide quality healthcare to all patients, within their means.
- ⚙ To become eminent 'Centre of Excellence' in academics.
- ⚙ To create medical innovations through translational research in both basic and clinical sciences.
- ⚙ To inculcate the values of trust, honesty and ethics among our medical fraternity.

VARIOUS DEPARTMENTS

BROAD SPECIALITIES

- ⚙ Anatomy
- ⚙ Physiology
- ⚙ Biochemistry
- ⚙ Pathology
- ⚙ Pharmacology
- ⚙ Microbiology
- ⚙ Community Medicine
- ⚙ Forensic Medicine
- ⚙ General Medicine
- ⚙ Pediatrics
- ⚙ TB and Chest
- ⚙ Dermatology
- ⚙ Psychiatry
- ⚙ General Surgery
- ⚙ Orthopedics
- ⚙ Obstetrics and Gynecology
- ⚙ ENT
- ⚙ Ophthalmology
- ⚙ Sports medicine
- ⚙ Anesthesiology
- ⚙ Radiology

SUPER SPECIALITY DEPARTMENTS

- ⚙ Neurology
- ⚙ Neurosurgery
- ⚙ Cardiology
- ⚙ Cardio Vascular & Thoracic Surgery
- ⚙ Medical Gastroenterology
- ⚙ Neonatology
- ⚙ Urology
- ⚙ Reproductive medicine

OTHER SERVICES OFFERED

- ⚙ Physiotherapy
- ⚙ Blood bank (Pathology)
- ⚙ Dialysis
- ⚙ Pharmacy
- ⚙ ICU
- ⚙ Emergency

CENTRES

Urban Health Centre, Karapakkam.

The Chettinad Urban Health Training Centre is located at Karapakkam, 15 kms away from CHRI. The hospital consists of a two-floor building with high-end infrastructure, located in the prime city area, surrounded by various IT companies, Educational Institutions and Residential population. The Centre covers a total of five field practice areas of Thoraipakkam, Shollinganallur, Injamabakkam, Semmenchery and Karapakkam. It covers a population of 1,61,311 over a 10 km radius.

Through the UHTC, general medical care as well as specialist care is provided to the people. Our therapeutic services include General Outpatient consultation, Speciality consultation, Laboratory, Day Care and Referral Services.

Our Preventive Services comprises of Field visits, Health education sessions, Health day celebrations and collaboration with the Chennai Corporation.

We also conduct training for the health workers, students in various aspects of preventive and social medicine, and also in Research.

Envisioning the future of our establishment in terms of services offered:

- ⚙ Extending school health services to private schools
- ⚙ Providing health services to migrant population in and around OMR.
- ⚙ Tie up with two more existing NGOs to provide better health care to the community.
- ⚙ Incorporating Swachh Bharath Abhiyan.
- ⚙ Health education campaign on Lifestyle and BCC to all the colleges in OMR.
- ⚙ To conduct more research activities in the untapped populations of coastal area.

Rural Health Centre - at Poonjeri

The rural health centre at Poonjeri is located about one kilometre away from Mahabalipuram on the East Coast Road (ECR) and 20 kms away from the Kalpakkam Nuclear Power Station, which is accessible to many villages situated on ECR to Old Mahabalipuram Road. It has been providing preventive, promotive and curative health care services to the rural population for about one last decade and it functions 24 hours a day.

This centre covers 2 blocks under Kanchipuram district, Tamilnadu i.e Thiruporur and Thirukalukundram. It caters to the healthcare needs of about 12 villages belonging to the respective blocks with a total population of about 40,000 people

Services offered at Rural Health centre

- ⚙ Outpatient services.
- ⚙ Specialty clinics (NCD clinic, Well baby clinic, Geriatric clinic etc.)
- ⚙ Family Health Advisory Program (FHAP)
- ⚙ School Health Program
- ⚙ Community based teaching and training program for UG and PG medical and paramedical students.
- ⚙ Community based research activities

PROGRAMS OFFERED

UNDER GRADUATE COURSES

- ⚙ MBBS

POSTGRADUATE COURSES

M.D. Pre and Para Clinical (3 years)

- ⚙ M.D. (Anatomy)
- ⚙ M.D. (Physiology)
- ⚙ M.D. (Biochemistry)
- ⚙ M.D. (Microbiology)
- ⚙ M.D. (Pharmacology)
- ⚙ M.D. (Pathology)
- ⚙ M.D. (Community Medicine)

M.D./M.S. Clinical Courses (3 years)

- ⚙ M.D. (General Medicine)
- ⚙ M.D. (Anesthesiology)
- ⚙ M.D. (Dermatology, Venerology and Leprosy)
- ⚙ M.D. (Respiratory Medicine)
- ⚙ M.D. (Pediatrics)
- ⚙ M.D. (Psychiatry)
- ⚙ M.D. (Radio-diagnosis)

- ⚙ M.S. (Otorhinolaryngology)
- ⚙ M.S. (Orthopedics)
- ⚙ M.S. (Ophthalmology)
- ⚙ M.S. (General Surgery)
- ⚙ M.S. (Obstetrics and Gynecology)

SUPERSPECIALTY COURSES (DM/MCh Courses -3 years)

- ⚙ D.M. (Cardiology)
- ⚙ D.M. (Neurology)
- ⚙ D.M. (Neonatology)
- ⚙ M.Ch. (Cardio Vascular and Thoracic Surgery)
- ⚙ M.Ch. (Neuro Surgery)
- ⚙ M.Ch. (Urology)
- ⚙ D.M. (Medical Gastroenterology)

POST GRADUATE DIPLOMA COURSE

- ⚙ PG Diploma in Clinical Embryology

FELLOWSHIP PROGRAMS

- ⚙ Fellowship in Neonatology

KEY HIGHLIGHTS

Medical College

Chettinad Hospital and Research Institute (CHRI) is a constituent college of Chettinad Academy of Research and Education, which is a deemed to be university, located at Kelambakkam, Chennai. It has been in the forefront of providing medical education in India. CHRI's vision is to enable Health-care for All.

Established in 2006, the medical college has been providing quality education, and it continues to be a preferred destination for aspiring students from all over the country. CHRI initially commenced with an approved intake capacity of 150 students which has been enhanced to 250 seats since 2019 onwards. CHRI offers programs at all levels including 1 undergraduate (MBBS), 19 Postgraduate (MD/MS), 7 super specialty (DM/ MCh) and 1 Post Graduate diploma course in clinical embryology.

Dedicated and experienced faculty, excellent infrastructure, state of the art lecture theatres, well stocked library, museums, laboratories and skill and virtual labs, that provide hands-on experience to the students are some of the highlights of this institution.

Students at Chettinad CHRI get the opportunity to interact with, and learn from, some of the best professionals in their chosen area. The academic team of professionally competent faculty has a passion for teaching and they use various modalities of teaching and evaluation to support their didactic lectures; like seminars, small group discussions, quizzes, participating in outreach activities etc. They are supported by a highly efficient Learning Management System (LMS) that has been developed in-house. This gives the students anytime anywhere access to study material. Faculty regularly updates their knowledge by attending Faculty development programs, CMEs, workshops and conferences. Eminent scholars and researchers are regularly invited to give guest lectures.

The students who have graduated from this institution have been successfully practicing medicine in India and beyond its shores.

At CHRI, we mould our students into wholesome individuals and globally competent medical practitioners who are empathetic, ethical and possess leadership qualities.

HIGHLIGHTS

- ⚙ Recognized by MCI
- ⚙ Competency based curriculum adapted to contemporary requirements
- ⚙ Value based courses
- ⚙ Highly skilled and dedicated faculty with a passion to their profession
- ⚙ Mentoring and student support in co-curricular and extracurricular activities
- ⚙ Hands-on training in management of medical emergencies
- ⚙ Central Research Lab with state-of-the-art equipment and ample clinical material
- ⚙ Opportunities for Translational interdisciplinary research
- ⚙ Fully equipped Skills & Practical Labs and Museums
- ⚙ Ultramodern, NABL accredited diagnostic labs
- ⚙ Outreach programs to inculcate a sense of social responsibility
- ⚙ Active implementation of government programs and health schemes
- ⚙ Well stocked Library
- ⚙ Digitally enabling the learners with LMS support
- ⚙ Placement assistance

FELLOWSHIPS INTRODUCED

- ⚙ Fellowship in Neonatology

CURRICULUM REVISION UNDERGRADUATE MEDICAL CURRICULUM

The curriculum adopted for existing medical programs are as recommended by the concerned statutory bodies. The relevance of the programs to the individual and the society at large is highlighted by the facts that they offer 100% employability and offer value added courses that impart transferable and life skills focusing on entrepreneurship/skill development, environment and sustainability, human values and professional ethics.

The CARE Medical curriculum though adhere to its statutory body (MCI), is designed to train not just doctors, but physician leaders who are as comfortable taking on transformational health challenges as they are caring for patients. The goal of this transformation is to design and implement a curriculum that would graduate physicians who will lead the transformation of health care for individuals and society in need, while being locally and globally responsive in areas of education, healthcare delivery and research".

Every aspect, from the team-based learning to the innovation and leadership is designed to focus students on the distinct challenges of 21st century health globally and to engage students' creativity in solving those challenges. Students have the benefit of receiving a core curriculum and the opportunity to pursue individualized paths to professional destination, created for each student based on experience and interest.

The curriculum's overarching goals serve as the foundation for our curriculum and define its content. Emphasis is placed on goals that meet the growing needs of a changing society and medical practice. A strong foundation in science provides special opportunities for students to participate in creative endeavors that foster the lifelong pursuit of scholarship.

- ⚙ Enhanced integration of basic and clinical sciences. Four core subjects integrate basic and clinical science to build an understanding of system and organ-based content. In parallel, one longitudinal subject spanning three successive years also integrate basic, clinical and experimental sciences.
- ⚙ Longitudinal clinical experiences where students are directly involved in patient care from the beginning of medical school, with an emphasis on interprofessional education, team-based care, and knowledge of the healthcare system.
- ⚙ Inclusion of topics critical to contemporary practice, such as health disparities, social justice, prevention, quality and safety, and interprofessional education.
- ⚙ Integrated formative assessment that provides students with frequent, meaningful, and actionable feedback about their performance that they can use to improve their learning.

- ⚙ Introduction of a more robust program evaluation, including the use of peer and student evaluation of the quality of teaching; a validated method for evaluating outcome data and enabling change; and careful attention to the assessment of the learning environment.
- ⚙ A year of internship that begins after the clinical sciences in the curriculum, integrates across disciplines and provides opportunities for greater continuity with patients, teams and mentors.
- ⚙ Enhanced flexibility to ensure that students have sufficient research time, opportunities to complete electives and sub-internships, study for further eligibility tests, go on residency interviews and participate in other experiences based on students' individual career choices.

We believe that providing outstanding care for our future patients requires learning with, from, and about other healthcare professional students early in our training. We accomplish this by working together to develop clinical skills, knowledge and attitudes.

The learning activities will be guided by core competencies in the areas of Values / Ethics for Interprofessional Practice, Roles/Responsibilities, Communication and Teams & Teamwork. Medical students will learn and work with interprofessional students from allied health sciences, nursing, pharmacy, nutrition, and social work among others during their time at Medical college.

The plan for an innovative, highly integrated educational program incorporates guided, self-directed learning, new technologies, inter-professional education and health care delivery systems education. Generous opportunities with sufficient flexibility to pursue translational, health care redesign and basic science research and scholarship are integrated into the program.

New Department started in CHRI – Department of Sports Medicine with MCI approval for MD Sports Medicine for the year 2020-21

TEACHING PEDAGOGY

Teaching Learning Methods The teaching faculty of CHRI forms the backbone of this reputed institution. They are highly qualified, well experienced and dedicated to their profession. In addition to the didactic lectures, practical demonstrations, they use various innovative modalities of imparting knowledge to the students such as integrated teaching which has become a major part of the curriculum, small group discussions, bed side clinics, quizzes, participation in outreach activities, role play, problem-based learning.

Medical education is more learner-centric, patient-centric, gender-sensitive, outcome oriented and environment appropriate. The result is a competency-based curriculum which conforms to global trends.

Problem Based learning is followed in paraclinical & Clinical departments extensively with real and virtual clinical scenarios.

Hybrid Problem Based Learning model for teaching Attitude Ethics Communication skills is adopted.

Evidence based medicine is practiced with emphasis on alignment and integration of subjects both horizontally and vertically while respecting the strengths and necessity of subject-based instruction and assessment.

A significant attempt has been made in the competency based undergraduate curriculum to provide the orientation and the skills necessary for life-long care of the patient. In particular, the curriculum provides for early clinical exposure, electives and longitudinal care.

Skill acquisition is an indispensable component of the learning process in medicine. The curriculum reinforces this aspect by necessitating certification of certain essential skills.

The experts and the writing group have factored in patient availability, access, consent, number of students in a class etc in suggesting skill acquisition and assessment methods; the use of skills labs, simulated and guided environments are encouraged.

The importance of ethical values, responsiveness to the needs of the patient and acquisition of communication skills is underscored by providing dedicated curriculum time in the form of a longitudinal program called Attitude, Ethics and Communication (AETCOM) competencies.

Greater emphasis has been placed on collaborative and interdisciplinary teamwork, professionalism, altruism and respect in professional relationships with due sensitivity to differences in thought, social and economic position and gender.

In addition to the above an attempt has been made to allow students from diverse educational streams and backgrounds to transition appropriately through a foundation program.

Dedicated time has been allotted for self-directed learning and co-curricular activity.

CHRI has a robust Learning Management System, students & faculty can access all the teaching material from anywhere with individual password.

ELECTIVES

Electives provide opportunities for students to acquire diverse learning experiences. Two, four-week blocks of elective time, have been created to allow students to a) rotate in a pre- or a para – clinical / work under the supervision of a researcher, and b) rotate in a pre-specified specialty / work in a rural or urban community clinic under supervision.

SPORTS AND EXTRACURRICULAR ACTIVITY

Protected time for sports and extracurricular activity has been carved into the curriculum to allow students to preserve work life balance and prevent burn out.

GRADUATE ATTRIBUTES

At CHRI, the medical undergraduate student is provided adequate training so as to enable the emerging medical practitioner to function in the following roles appropriately and effectively, simultaneously keeping in line with the statutory requirements.

- ⚙ Health Promotion and Disease Prevention: Clinician who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.
- ⚙ Team work: Leader and member of the health care team and system with capabilities to collect, analyze, synthesize, communicate health data and to make critical decisions.
- ⚙ Communication skills: Communicator with patients, families, colleagues and community.

- ⚙ Updating Knowledge: Lifelong learner committed to continuous improvement of skills and knowledge.
- ⚙ Professional, who is committed to excellence, is ethical, responsive and accountable to patients, community and profession.
- ⚙ Personal development, ability to self-reflect, analyses own strengths and weaknesses and initiate necessary action.

PROFESSIONAL ETHICS

CHRI also inculcates the core values of ethics in the medical profession into the minds of the undergraduate learners so that they can function appropriately to uphold the honor and dignity of their profession while rendering service to humanity with full devotion and altruism.

They are trained to practice methods of healing founded on scientific basis only and should win the confidence of the patient entrusted in their care.

They are also encouraged to constantly update their knowledge by participating in professional programs

They are taught the importance of documentation and to maintain the medical records pertaining to patients as per the protocol, and to prescribe medicines rationally and as per the generic name.

The physicians are discouraged from indulging in unethical behavior and expose those physicians who indulge in such ethical behavior while abiding by the laws of the country.

VALUE ADDED COURSES

CARE has always ensured that its students stay well-informed of the latest industry standards and requirements. Keeping this in mind, CARE IQAC takes initiative in introducing value added programs which are designed to bridge the gap between the academia and industry in the course structure. This event is organized to create an opportunity to develop courses, the purpose of which is to impart professional knowledge with relevant certifications to increase student's employability. The students will be offered a bouquet of programs with options to choose as per their career aspirations.

CARE has Interdisciplinary and Innovative Value-added courses providing more employability and entrepreneurship opportunities for students.

- ⚙ Biostatistics & Research Methodology
- ⚙ Bioinformatics
- ⚙ Biosafety/bioethics
- ⚙ Computational Biology
- ⚙ Pharmaceutical chemistry
- ⚙ Mathematics
- ⚙ Promoting positive health, prevention & rehabilitation of Psychosomatic lifestyle ailments through Yoga
- ⚙ Upanishads- Acitireya, Taitreya
- ⚙ Pathanjali yogasutras

- ⚙ Principle of Ayurveda, Naturopathy
- ⚙ Product design, management & Entrepreneurship
- ⚙ Introduction to computers
- ⚙ English & Communication skills
- ⚙ Environmental sciences & Community Medicine
- ⚙ Basic Principles of Hospital Management
- ⚙ Health Care Management
- ⚙ Hospital Products, Promotions, Sales & Public Relations/Physicians Office Management
- ⚙ Regulatory affairs in Clinical Research
- ⚙ Molecular Diagnostics
- ⚙ Chemical Weapons of Mass destruction & Disarmament Personalized medicine
- ⚙ Disaster Management
- ⚙ Basics in Medical Physics and Electronics

MENTOR-MENTEE

Student Mentoring is another main activity that complements the teaching learning process at CHRI. CHRI follows a very disciplined Mentor program for both UG/PG students. Every Student is allotted a faculty mentor at the beginning of the program, whom they approach for advice on a personal note and with regard to academics. Research mentoring is also encouraged. In medical program students have mentors across all phases as they progress so as to facilitate better learning in all phases.

Mentoring templates are available and details are uploaded in LMS

Regular attendance, mid semester marks, continuous assessment marks are monitored to assess the progress of mentee. Counseling suggestions, motivation for professional enrichment, extracurricular activities, research activities are carried out by mentors. Periodic communication to parents through e-mail, report cards, SMS, and Parents Teacher Meetings are followed.

EXAMINATION REFORMS INTRODUCED

Regular and well-structured Formative and internal assessment has been streamlined to achieve the objectives of the curriculum.

Assessment pattern includes regular MCQs, short answer questions, well-structured long questions to assess the depth and width of students' learning.

Objective Structured Practical & Clinical Examinations with Mini-Clinical Examinations, Logbook, Portfolio and Reflective Narratives are other patterns of assessment.

Online Quiz, Image Quiz, Role plays, Direct Observation of Procedural skills & 360-degree evaluation are other formative assessment methods. Summative assessment is carried out after every semester or year depending on the course and follows respective statutory body wherever necessary.

University follows a computerized standard transparent procedure in conducting examinations with foolproof system for evaluation of theory and practical/clinical examinations.

COE office has a blueprint of the examination of all courses and programs with a detailed list of UG/PG Examiners.

FACULTY ACHIEVEMENT

Name of the Faculty	Designation	Department	Name of the award	Award Description*	Name of the Central Govt. Agency / Pvt / International agencies from where award has been received	Govt./ PVT	Year of receiving award
Dr. Sumathy .S	Professor & HOD	Biochemistry	Chaired Session/ Co-organizer	Judge for poster presentation	40th Annual Indian Association of Biomedical Scientist	PVT	2019
Dr. Sumathy .S	Professor & HOD	Biochemistry	Invited speaker at Ehrlich lab PVT	Lab professional week -CME	Ehrlich lab PVT	PVT	2019
Dr. Sumathy .S	Professor & HOD	Biochemistry	Panelist at Chetmedicon	Panelist at Chetmedicon- 6th annual Conference	Chettinad Academy of Research and Education	PVT	2019
Dr. Sumathy .S	Professor & HOD	Biochemistry	Organized CME - Thyrovizion	Faculty/ organized	Chettinad Academy of Research and Education	PVT	2019
Dr. Sumathy .S	Professor & HOD	Biochemistry	Invited participant	Helix-19	Govt.Stanley medical college , chennai.	Govt	2019
Dr. Sumathy .S	Professor & HOD	Biochemistry	Invited participant	Curriculum implementati on support programme	Chettinad Academy of Research and Education	PVT	2019
Dr. Sumathy .S	Professor & HOD	Biochemistry	Organized/ Faculty-workshop	Molecular techniques in diagnosis and research	Chettinad Academy of Research and Education	PVT	2019
Dr. Sumathy .S	Professor & HOD	Biochemistry	Invited participant	Conference on Quality Indicators & Bench marks for Health sciences	Chettinad Academy of Research and Education	PVT	2018
Dr. Sumathy .S	Professor & HOD	Biochemistry	Invited participant	National symposium on Evolving trends in Learning physiology	Chettinad Academy of Research and Education	PVT	2018
Dr. Sumathy .S	Professor & HOD	Biochemistry	Invited participant	IQMA TN Chapter 2019	Sri Ramachandra Institute of Higher Education & Research, Chennai	PVT	2019

Dr. Sumathy .S	Professor & HOD	Biochemistry	Invited participant	Chetancon 2018	Chettinad Academy of Research and Education	PVT	2019
Dr.L.Karpagavel	Professor	Biochemistry	value added course	Completed Course in National Diabetes Complication Program	Royal College Of Physicians	PVT	2019
Dr.L.Karpagavel	Professor	Biochemistry	Chaired SesVSION	chaired pencil sketching	UG students Bioethics Convention 2019	PVT	2019
Dr.L.Karpagavel	Professor	Biochemistry	Resource Person	Molecular techniques in diagnosis and research	Chettinad Academy of Research and Education	PVT	2019
Dr.L.Karpagavel	Professor	Biochemistry	Organized Member CME - Thyrovizion	Faculty/organized	Chettinad Academy of Research and Education	PVT	2019
Dr.Ansar Khalifullah	Associate professor	Biochemistry	Organized/ Faculty-workshop	Molecular techniques in diagnosis and research	Chettinad Academy of Research and Education	PVT	2019
Dr.Ansar Khalifullah	Associate professor	Biochemistry	Organized CME - Thyrovizion	Faculty/organized	Chettinad Academy of Research and Education	PVT	2019
Dr Anuradha	Associate professor	Biochemistry	Organized/ Faculty-workshop	Molecular techniques in diagnosis and research	Chettinad Academy of Research and Education	PVT	2019
Dr.Venkat Siddarth C	Assistant Professor	Biochemistry	Chairing the session	Chaired session in Under graduate BDS students Bioethics Essay writing competition held on 23rd-24th October 2019 conducted by CDCRI - Bioethics committee	UG students Bioethics convention 2019	pvt	2019
Mr Murugavel S K	Assistant professor	Biochemistry	Resource person-workshop	Molecular techniques in diagnosis and research	Chettinad Academy of Research and Education	PVT	2019
Dr Santhini	Assistant professor	Biochemistry	Organized/ Faculty-workshop	Molecular techniques in diagnosis and research	Chettinad Academy of Research and Education	PVT	2019

Mr Vinoda Kumar HR	Tutor	Biochemistry	Organized/ Faculty-workshop	Molecular techniques in diagnosis and research	Chettinad Academy of Research and Education	PVT	2019
Dr.R.Vijayashree	Professor	Pathology	Speaker	Invited speaker	Chettinad Medical College	Pvt	2018
Dr.R.Vijayashree	Professor	Pathology	Chairperson	Chairperson	Sri Ramachandra Medical College	Pvt	2018
Dr.Sushma Nayar	Professor	Pathology	Speaker	Invited speaker	Shri Sathya Sai Medical College	Pvt	2018
Dr.Sushma Nayar	Professor	Pathology	Speaker	Invited speaker	Sri Ramachandra Medical College	Pvt	2019
Dr.R.Vijayashree	Professor	Pathology	Speaker	Invited speaker	Chettinad Medical College	Pvt	2019
Dr.R.Vijayashree	Professor	Pathology	Speaker	Invited speaker	SRM University	Pvt	2019
Dr.R.Vijayashree	Professor	Pathology	Chairperson	Chairperson	Sri Ramachandra Medical College	Pvt	2019
Dr.R.Vijayashree	Professor	Pathology	Panel discussion	Invited participant	CHRI, Chet Medicon	Pvt	2019
Dr.R.Vijayashree	Professor	Pathology	Chairperson	Chairperson	Kilpauk Medical College	Govt	2019
Dr.Rajesh Kanna	Professor	Pathology	Chairperson	Chairperson	Meenakshi Medical College	PVT	2019
Dr.Jayanthi S	Professor	Microbiology	World championship award	For publication in Journal of Laboratory Physicians	International agency	PVT	2018
Dr.Priyadarshini Shanmugam	Professor and HOD	Microbiology	International conference on virology – HIV Updates - Virocon 2018	For chairing scientific session	PVT	PVT	2018
Dr.Priyadarshini Shanmugam	Professor and HOD	Microbiology	Panel discussion		CHRI – department of General medicine	Pvt	2019
Dr Ravivarman G	Professor and HOD	Dept. of Community medicine	AHDR- CHRI	Session chair	CHRI- Dept. of Pharmacology	Private	2019
Dr. D.R.Vedapriya	Professor	Community Medicine	Resource Person	Certificate	Chettinad college of nursing	Private	25/10/2019
	Professor		Co-Chairing	Certificate of	JIPMER	Govt	24th June

Dr K R Sowmiya	Professor	Community medicine	Guest Speaker at CDE, CHRI-NACO	Invited Speaker	Chettinad Dental College	PVT	2018
			Guest Speaker at CDE, CHRI-NACO	Invited Speaker	Chettinad Dental College	PVT	2019
			Panel-discussion: Madras medical college	Invited Speaker	MMC, Chennai	Govt .	2018
Dr. Buvneshkumar	Assistant Professor	Community Medicine	Nodal Person	Recognition for conducting a Nationwide quiz competition on World Health Day at Chettinad Hospital and Research Institute	Indian Association of Preventive & Social Medicine	PVT	2019
			Invited Speaker	Guest speaker on Geriatric Depression	India CLEN	PVT	2018
Dr Y Vishnu Vardhan	Assistant Professor	Community Medicine	Guest Speaker at CDE, CHRI	Invited Speaker	Chettinad Dental College	PVT	2019
DR. RINI SHAH	Assistant Professor	Paediatrics		Paed endo 2019 quiz award-2nd prize	IAP, Endocrine society Tamilnadu Pudducherry	PVT	2019
Dr. K.Stephen Sudhakar	HOD	Ophthalmology	DelegateQuiz	2nd place in delegate quiz	Aravind Eye Hospital	PVT	2018
Dr. K.Stephen Sudhakar	HOD	Ophthalmology	Delegate Quiz	1st place in delegate quiz	Tamil Nadu Ophthalmic Society	PVT	2019

STUDENT ACHIEVEMENTS 2018 - 19

Name of the Student / Name of the Team Members	UG / PG / PhD	Name of the award	Award Description*	Name of the International institution / organization from where award has been received	Govt./ PVT	Year of receiving award
Rohith Viswanath	UG	Certificate of appreciation	Paper presentation- 6th International Congress on Bacteriology and Infectious Diseases in USA	International	PVT	2018
Raamabarathi	UG	First prize- Dissertation competition	Best presenter award	Association of Anatomists	Govt	2019
Sarmita Pal	UG	ICMR STS award	Any other	ICMR	Govt	2018
Shruti	UG	ICMR STS award	Any other	ICMR	Govt	2018
Sruthi Rajeev	UG	First place - Poster Presentation	Best presenter award	Chettinad Hospital and Research Institute	PVT	2018
Aksharasrri	UG	Dr.M.M.Cooper Merit Award- 2019	Any other	Association of Anatomists	PVT	2019
Aksharasrri	UG	Dr.T.S.Ranganathan Memorial Award	Any other	Association of Anatomists	PVT	2019
Swathi Priyadarshini	UG	Third prize- Poster presentation	Best presenter award	Endocrine Society	Govt	2019
Kaaviya A	UG	Third Prize- Embryology Model making	Any other	Vinayaka Mission Kirupananda Variyar Medical College	PVT	2019
Abishek	UG	Consolation prize- Gross Anatomy Drawing	Any other	Vinayaka Mission Kirupananda Variyar Medical College	PVT	2019

Aditim Jain	UG	Consolation prize-Histology drawing	Any other	Vinayaka Mission Kirupananda Variyar Medical College	PVT	2019
Karthik Ganesh	UG	Third Prize-Histology Drawing competition	Any other	Vinayaka Mission Kirupananda Variyar Medical College	PVT	2019
Harshini	UG	Second place-Poster presentation	Best presenter award	Saveetha Medical College	PVT	2019
Karunya Varshini	UG	Third Prize-Embryology Model making	Any other	Vinayaka Mission Kirupananda Variyar Medical College	PVT	2019
Muthu Malini V	UG	ICMR STS award	Any other	ICMR	Govt	2018
Rivan Fathima.R	UG	Third prize-Poster presentation	Best presenter award	Saveetha Medical College	PVT	2019
Sibi Sai	UG	Third prize-case presentation	Best presenter award	Saveetha Medical College	PVT	2019
Swaraj Paul	UG	First prize-Poster presentation	Best presenter award	Saveetha Medical College	PVT	2019
Teena Kazi Angel	UG	First prize-case presentation	Best presenter award	Saveetha Medical College	PVT	2019
Uniqca Jitracs	UG	Best oral presentation	Best presenter award	Sree Balaji Medical College	PVT	2019
Dr. Tanuja Lella	PG/Pharm	Best poster prize	Best presenter award	CHRI	PVT	2019
Dr.Ajay Prakash	PG/Paeds	T.Rajagopal Award		MADRAS PEDICON		2019
Dr Deepak Dubey	PG/Path	Second place-Poster presentation	Best presenter award	Chettinad Hospital and Research Institute	PVT	2018

Dr. Sowmya.D	PG/Path	First place -Oral paper presentation	Best presenter award	MVJ Medical College and Research Hospital	PVT	2019
Ms.Prabina	Ph.D	3rd Prize	Best Paper - National conference on "EMERGING TRENDS IN VIRAL DISEASES	National	PVT	2018
Dr. Tanuja Lella	PG/Pharm	Best poster prize	Best presenter award	CHRI	PVT	2019

COMMUNITY ENGAGEMENT AND OUTREACH PROGRAMS

CHRI strongly believes that healthcare related community outreach programs play a vital role in improving and extending the reach of health care through activities such as education on health and hygiene, basic screening of the health of the community, management of clinical cases and simultaneously provision of facilities to access the hospital services. Through these activities the health outcomes of the individuals and of the community can be improved.

It also provides an opportunity to hand back to the society from which we have gained a lot. Our extension activities provide greater interface with society through field and service-related programs. Commitment to society by CHRI is well exemplified by the health promotion activities in the villages adopted and collaboration with government and NGO in health initiatives in these villages.

All this has been possible through the dynamic participation of faculty, students and NSS volunteers, making them good citizens with societal commitment and empathy.

Total Number of camps/ outreach programs	324
Total Population Covered	2,30,000
Total patients benefitted	23,003

CHETTINAD FREE COMMUNITY MEDICINE (COMMENCED IN APRIL 2019)

In adherence to the philanthropic tradition of the Chettinad family a free OP block functions at CHC campus. This out-patient department at CFCM provides free medical examination and baseline laboratory and radiological investigations for the needy patients hailing from nearby villages. Free food is provided to the patients. They are also provided free transportation from their villages to the hospital and back. These patients are regularly followed up. In-patient care for these patients is also provided free of cost.

SCHEMES IMPLEMENTED

Dr. Muthulakshmi Reddy Scheme – This state government sponsored scheme has been implemented in our hospital to benefit the antenatal women, wherein free antenatal screening, checkup and free delivery are being conducted.

DBCS (District Blindness Control Society)– This scheme comes under the ambit of the National Program for Control of Blindness (NPCB). Free cataract surgeries and other ophthalmic procedures are being performed for patients who are hailing from the nearby villages in Kanchipuram District, under this scheme.









FACULTY OF ALLIED HEALTH SCIENCES

MISSION

- ⚙ To develop allied health care professionals with sound theoretical foundation and hands-on training to become future leaders in health care arena
- ⚙ To educate, train and develop the next generation translational researchers
- ⚙ To become a global centre of excellence in biomedical research.
- ⚙ To create an impact in care services by allied health science programs.
- ⚙ To develop a futuristic approach in the various activities.
- ⚙ To offer a holistic and integrated learning experience to the students.
- ⚙ To offer research component in the curriculum right from the UG programs.

PROGRAMS OFFERED

FAHS offers following innovative and interdisciplinary UG, PG and 5 yrs. Integrated PG Programs.

UG Programs

- ⚙ B.Sc. Medical Biotechnology
- ⚙ B.Sc. Medical Bionanotechnology
- ⚙ B.Sc. Medical Genetics
- ⚙ B.Sc. Counselling Psychology
- ⚙ B.Sc. Allied Health Science (3 + 1 yr Hands on training)

PG Programs (2 years)

- ⚙ M.Sc. (AHS) Radiology and Imaging Science Technology
- ⚙ M.Sc. (AHS) Echocardiography and Cardiovascular Imaging
- ⚙ M.Sc. Clinical Research & Experimental Medicine
- ⚙ M.Sc. Marine Pharmacology
- ⚙ M.Sc. Medical Bionanotechnology
- ⚙ M.Sc. Occupational Health & Industrial Safety
- ⚙ M.Sc. Medical Biotechnology
- ⚙ M.Sc. Health & Yoga Therapy
- ⚙ M.Sc. Counselling Psychology
- ⚙ M.Sc. Human Nutrition
- ⚙ M.Sc. Tissue Engineering and Regenerative Medicine
- ⚙ M.Sc. Medical Genetics & Molecular Genetics

Integrated PG Programs (5 years)

- ⚙ M.Sc. Radiology and Imaging Science Technology
- ⚙ M.Sc. Cardiac Technology
- ⚙ M.Sc. Renal Dialysis Technology
- ⚙ M.Sc. Medical Laboratory Technology
- ⚙ M.Sc. Respiratory Care Technology
- ⚙ M.Sc. Perfusion Technology

Ph.D Programme

KEY HIGHLIGHTS

- ⚙ FAHS offers very good hands on training to the students.
- ⚙ Interdisciplinary and innovative nature of the academic programs facilitate horizontal mobility and make students highly employable
- ⚙ Good interaction and collaboration with faculty of medicine enables effective translational research.
- ⚙ Students take up research projects even at the UG level.
- ⚙ Well trained faculty members with Ph.D. degree and many of them possess postdoctoral research experience abroad.
- ⚙ FAHS offers very good ecosystem for Research and innovation.

COLLABORATIONS AND RECOGNITIONS

Sl.No.	Title	Collaborators	Faculty of Allied Health Sciences Collaborators
1.	Engineered nanomaterials for biomedical imaging	Radiology Dr. Abubacker Sulaiman Farook Dr. Alex Daniel Prabhu	Dr. Agnishwar Girigoswami
2.	Genetic predisposition of LEPR Gene polymorphisms in type Diabetes mellitus	General Medicine Dr. Rajasekaran	Dr. V. Ramakrishnan Mr. R. S. Akram Husain (PhD) Aswathi. P
3.	Association of MTHFR gene polymorphism in Preeclampsia and Recurrent pregnancy loss	Gynaecology, CSSH Dr. Prema Jayaprasad	Dr. V. Ramakrishnan Mr. R. S. Akram Husain (PhD) Keerthana. S
4.	Genetic predisposition of Human Epithelial Growth Factor Receptor 2 Gene polymorphisms with Fibroadenoma susceptibility	Gynaecology, CSSH Dr. Prema Jayaprasad	Dr. V. Ramakrishnan Mr. R. S. Akram Husain (PhD) Aswathi. P
5.	Association of BDNF gene polymorphisms in stroke- A pilot study	Neurology Dr. K. Subramaniyan	Dr. V. Ramakrishnan, Mr. R. S. Akram Husain (PhD), Anushree M Nair, R. Chandrasudan, Madhushri A. S., Remasri K. T.
6.	Assessment of anticancer properties of cyclic peptides from Ascidians against xenotransplant induced melanoma in Zebrafish model	Pathology, Dr. Vijayashree,	Dr. R. Saravanan
7.	Antimicrobial activity of alkaloids from mangroves against MDB	Pathology, Dr. Vijayashree,	Dr. R. Saravanan
8.	A study on the association of FSHR and IL 10 gene polymorphism with PCOS condition	Obstetrics and Gynaecology Dr. Nalini,	Dr. S. Gowtham Kumar Subbaraj, Anolin Jemi A, Goussalya D, Jancy M. S, Soundarya R.
9.	Improved Sensitivity of Susceptibility Weighted Imaging (SWI) compared to Gradient Echo Sequences (GRE)	Radiology Dr. Krishnamoorthy A Dr. Einstein A Dr. Alex Daniel Prabhu A	Dr. Karunanithi Rajamanickam Prof. Murugesan Ramachandran Punitha P, M.Sc
10.	Effect of Mesoporous Nano Water Reservoir on MR Relaxivity	Radiology Dr. Abubacker Sulaiman Farook	Dr. Koyeli Girigoswami
11.	Label Free Ultrasmall Fluoromagnetic Ferrite-clusters for Targeted Cancer Imaging and Drug Delivery	Radiology Dr. Abubacker Sulaiman Farook	Dr. Koyeli Girigoswami

12.	Haemozoin causing platelet destruction	Pathology Dr. Susma Nair	Dr. Koyeli Girigoswami
13.	Development of a Polymer Conjugated Coumarin Based Homocysteine Sensing Marker	Cardiology Dr.M.Chokkalingam	Dr Shoba Narayan Hemalatha S MSc
14.	Exploring blood-based biomarkers for parkinson's disease using system biology approach based on risk factors	Neurosurgery Dr.V.G.Ramesh	Dr. Shiek Fareeth Ahmed Dr.R.Murugesan & Athira Anirudhan
15.	Association of cardiac biomarkers with echocardiographic indices of LV function in patients with or without coronary artery disease	Cardiology Dr. Chokalingam	Dr. Shiek Fareeth Ahmed, Dr.R.Murugesan & Monisha
16.	Serum metabolites and their association with coronary artery disease	Cardiology Dr. Pradeep G Nayar	Dr. Shiek Fareeth Ahmed, Dr.R.Murugesan & M. Muumina
17.	Association of serum and urine metabolites across trimesters of healthy pregnancy	OBG & GYN Dr. Vijayalakshmi	Dr. Shiek Fareeth Ahmed, Dr.R.Murugesan, & Abitha . A, Anushiya. R, Prema B.K, Vidhya. P
18.	Effect of anti -diabetic drugs on the levels of serum brain- derived neurotrophic factor in Type 2 Diabetes mellitus	General medicine Dr. Rajasekaran	Dr. Shiek Fareeth Ahmed, Dr.R.Murugesan & V. Cathrine, P. Deboral Habsa Hassan, V. Hariharan
19.	Estimation of level of cardiac biomarkers in type II diabetes patients with and without coronary artery disease	Cardiology Dr.Ashok	Dr.R.Murugesan, Dr.Shiek Fareeth Ahmed, &Naziyaagulnaaz A S
20.	Circulatory micro RNA as biomarker for cardio vascular diseases	Cardiology Dr. Chokkalingam	Dr. Moorthi Aravind, Jayasuriya, Jebaraj, Udaykumar Jebaraj, Udaykumar

EVENTS ORGANIZED

Sl.No.	Programmes	Date	Speakers/Judges
1.	Seminar on "Interaction of auditory pathways-in disorders and wellness"	17/12/2018	Dr. Srinivasa Prasad
2.	One day workshop on "Best practice in Scientific Publishing"	24/01/2019	Dr. Bhavik Sawhney, Associate Editor, Biomedicine Springer Nature
3.	National Science Day celebration	28/02/2019	Prof. R Murugesan, Director –Research, CARE Prof. Rukumani, HOD. Dept. of Pharmacology, CHRI Prof. J. Vigneshwaran, Associate Prof. General Medicine, CHRI & Prof. K. Senthil Kumar, Dept. of Surgery, CHRI
4.	Corporate Counselling	20/02/2019	Dr. Vasuki Mathivanann,
5.	<i>Matribhasha Diwas</i> (International Mother Language Day Celebration)	21/02/2019	Prof. R Murugesan, Director –Research, CARE Prof. Sripathi Kandula - Principal FAHS & Prof. N Srinivasan Convener - Research, CARE
6.	The Basic and Applied Sciences of Stem Cells in Modern Medicine	19/03/2019	Dr. Rajesh Ramasamy, University Putra, Malaysia

CURRICULUM REVISION

The following programmes curriculum was revised during 2018-2019

- B.Sc. AHS - Endoscopy and Urology
- B.Sc. AHS - Operation Theatre and Surgical Technology
- B.Sc. - Dermato-Cosmetology
- B.Sc. - Counseling Psychology
- B.Sc. - Allied Health Sciences

TEACHING PEDAGOGY (TOOLS & TECHNIQUES)

The Allied Health Sciences Department is unique because of its strategic placement within CARE along the Medical College and Hospital. The FAHS as a research-intensive faculty provides to our students an outstanding education and enriches the intellectual, economic and cultural life of our students, blended in a medical college like atmosphere. That our knowledge should be of benefit to the health of common man is centric to our education system.

The strengthening of the current curriculum is part of our strategic plan to

- a. Enhance our students' experience by enriching both the teaching and learning environment
- b. Deepen the research attitude and contribution to society
- c. Hone the attributes that are essential to the overall development and career prospects for the students

DETAILS OF THE INNOVATION IN TEACHING

Innovation in teaching has been a constant process. Major aspects developed and practiced are

- a. Internal mechanism to understand the difficulties faced by students in terms of language, speed at the lectures are conducted, other pressures faced by students such as those relating to stay-away from home etc. are being understood through student coordinator – student informal / formal interactions. Accordingly, such students are motivated and additional support for their effective understanding of the subject provided
- b. In addition to regular class-based tests, seminars and assignments which are targeted towards enhancing the self-learning capabilities have been adopted and evaluations of such student outputs have formed a part of the continuous internal evaluation

- c. Every course syllabus has been broken down into modules with the unit 1 designed to create an interest in the student for the subject. As the units progress, students dig deeper into the subject, with effective understanding of the current status of the subject in the final chapters. Each unit has been provided with sufficient scope for students to self-learn and understand more through open source literature. The module design and the self-learning also enable the students to design their own short projects in their final semester.
- d. In each module, teaching staff clearly indicate to the students why assessments are conducted after a specific module, the importance of each module, the vastness of the module and additional knowledge that the students are likely to get by reading.

The following methodologies are used in innovative teaching plan

1. **Audio Visuals** : use of audio and visual aids available from open source and also prepared by the teaching staff are employed for every course work.

SIMULATIONS BASED TEACHING FOR PG PROGRAMS

S.No	Courses	Simulations	Tools
1	MBT / MBNT Biomolecules & Analytical Techniques	Molarity, pH scale, Acids and base solutions, Simplified MRI, LASERMALDI-TOF, 2D PAGE, Chromatography	PhET
2	MTERM-Anatomy, Physiology & Embryology	Organization of the Human Skeleton, Nervous system, Circulatory system, Muscle Physiology, Respiratory System, Electrocardiogram, Pavlov's Dog, Urinary System, Eating and Exercise simulation	Biodigital
3	MGMD- Medical Genomics	Human genome, cancer pathway	JOVE
4	MBT / MGMD / MTERM-002C Cell Culture Technology	Cell cycle, Transient transfection and cell division of mammalian cells, Cell and Its Organelles, control of Cell cycle, cell staining simulation tool, Membrane channels, Molecular motors	Bioalive
5	MBNT/ TERM Introduction to Nanomaterials	Band gap, 2D Materials, 3D Atom probe, Atomic force microscopy, Absorption spectra, Miller index	PhET
6	MTERM Regenerative Biology	Biology of the cell, Principles of Regenerative Biology	Cells alive
7	MBT / MGMD / MBNT 003C Molecular Biology	DNA- The Double Helix, Genetic code, Lac operon, DNA Stretching, DNA to Protein, DNA Replication	PhET

8	MGMMD -Microbial Genetics	Conjugation experiments with E. coli, Chromosomal gene sequencing, F Plasmid insertion and transformation	GENMAP
9	MTERM - Stem Cell biology	Embryonic stem cells, creation of stem cell line, stem cell transplant, stem cell niche, stem cell heart repair, iPS cells	EdHead
10	MTERM-Principles of Tissue Engineering	Tissue Engineering of a Human 3D in vitro Tumor Test, Introduction to Tissue Engineering, Tissue Engineering for Life	JOVE
11	MGMMD-Genetic Basis of Cancer	prostate cancer initiation and progression, Molecular genetics, gene expression basis.	Cells alive
12	MBT-Advanced Medical Microbiology	Parasites, Virtual Microscopy for Bacteria, Viruses, Fungus and parasites, Influenza Virus Haemagglutination	Bioalive
13	MBNT Biosensors	Luminescence, magnetic electronic devices, electrical and optical properties, image processing	PhET
14	MBT Genomics and Proteomics	Gene therapy, Protein Interactions, DNA Microarray, Pharmacogenomics	Biodavidson
15	MBNT Nano Enabled drug delivery systems	Nanobioapplications, multilayered nanoparticles, nanostructure	Nanohub
16	MTERM Immunological aspects of Tissue Regeneration and Transplantation	The Bridge Between Transplantation and Regenerative Medicine, Tissue engineering: transplanting organs	Jove
17	MBNT Biomedical applications of Nanoscale Technology	Nanodevices, Nanomedicine	Nanohub
18	MBT / MGMMD / MBNT/ MTERM Recombinant DNA Technology	Gene Expression, DNA Sequencing, PCR, Gene switch	PhET
19	MBNT MEMS and BioMEMS	biomimetics, microsystems, biomems simulator	Nanohub
20	MGMMD Stem cell technology	Embryonic stem cells, creation of stem cell line, stem cell transplant, stem cell niche, stem cell heart repair, iPS cells	EdHead
21	MBNT Nanoparticles for diagnostic imaging	imaging, magnetic nanoparticles, nano-assembly, microcantilevers, quantum dots	Nanohub
22	MBT Structural Proteomics and Computation	Genetic Network analyzer	GNA
23	MTERM Stem Cell Therapy in Tissue Engineering and Regenerative Medicine	Cartilage tissue engineering with mechanical shear and compression, Tissue Engineering Scaffold Visualization	Jove

24	MGMD Clinical Cytogenetics	Ultrasound Examination and Amniocentesis, Array CGH and Karyotyping, Linkage Maps	Cells alive
25	MGMD Molecular diagnostics	cell staining simulation tool, Flow cytometry, Karyotyping	Invitrogen
26	MTERM Clinical applications of Tissue Engineering	3D Dental Implant Surgical Simulator, Characterization & Behaviour of Nanocomposites	Jove
27	MBT Immunology	ELISA, Blood Typing, Immune System	Nobel
28	MBNT / MTERM / MBT / MGMD Bioinformatics	Molecular Dynamics simulations of proteins, docking, Network visualization, Molecular 3D visualization, SNP Detection, Gene expression analysis	statgen
29	MBNT Nanotoxicology	carbon nanotubes, carrier concentration, biological networks, meta materials, molecular structure	Nanohub
30	MBT / MBNT IPR, Biosafety & Bioethics	Ethics of Human cloning, Biosafety	The ethical simulator
31	MTERM / MBNT Nanoparticles for therapeutics	quantum dots, electromagnetic resonance, EPR, Ion channels, morphology	Nano hub
32	MBT / MBNT / MGMD / MTERM Biostatistics and Research Methodology	Introductory statistics, Sampling Distribution, ANOVA, Binomial Distribution, Goodness of Fit, Histogram, Normal Distribution, Sampling Distribution, t-Test	Statbook

ANIMATIONS BASED TEACHING FOR PG PROGRAMS

Sl. No.	Courses	Animations	Tools
1	MBT / MBNT Biomolecules & Analytical Techniques	Carbohydrates, bioenergetics, spectroscopy, centrifugation MRI, LASER MALDI-TOF, 2D PAGE, Chromatography	McGraw Hill
2	MTERM Anatomy, Physiology & Embryology	Organization of the Human Skeleton, Nervous system, Circulatory system, Muscle Physiology, Respiratory System, Electrocardiogram, Pavlov's Dog, Urinary System, Eating and Exercises simulation	Wiley
3	MGMD Medical Genomics	Human genome, cancer pathway	Jove

4	MBT / MGMD/ MTERM Cell Culture Technology	Cell cycle, cryopreservation, monoclonal antibodies production, cell culture reactors, Transient transfection and cell division of mammalian cells, control of Cell cycle, applications of cell culture	McGraw Hill
5	MBNT / TERM Introduction to Nanomaterials	Band gap, 2D Materials, 3D Atom probe, Atomic force microscopy, Absorption spectra, Miller index	Nnaohub
6	MTERM Regenerative Biology	stem cells-limb regeneration, Human embryonic development	EdHead
7	MBT / MGMD / MBNT Molecular Biology	DNA Replication, Transcription, DNA Repair, Post transcriptional modification, DNA- The Double Helix, Genetic code, Lac operon,	Sumanas
8	MGMD Microbial Genetics	Conjugation experiments with <i>E. coli</i> , Chromosomal gene sequencing, F Plasmid insertion and transformation	Genmap
9	MTERM Stem Cell biology	Mesenchymal stem cells, Hematopoietic stem cells, epigenetics, stem cell lineage, Embryonic stem cells, creation of stem cell line, stem cell transplant, stem cell niche, stem cell heart repair, iPS cells	Wiley
10	MTERM Principles of Tissue Engineering	Tissue engineering for life, 3D animation Nanofibers in tissue engineering	jove
11	MGMD Genetic Basis of Cancer	Genetic Basis of Cancer, Molecular basis of cancer	cells alive
12	MBT Advanced Medical Microbiology	virus replication, lifecycle retro virus, bacterial motility, bacterial growth kinetics, Influenza Virus Haemagglutination	McGraw Hill
13	MBNT Biosensors	Luminescence, magnetic electronic devices, electrical and optical properties, image processing	Nnaohub
14	MBT Genomics and Proteomics	Gene therapy, Protein Interactions, DNA Microarray, Pharmacogenomics	Utah
15	MBNT Nano Enabled drug delivery systems	Nanobioapplications, multilayered nanoparticles, nanostructure	Nanohub
16	MTERM Immunological aspects of Tissue Regeneration and Transplantation	Stem cell transplantation medical animation, Stem Cell Basics	JOVE

18	MBT / MGMD / MBNT / MTERM Recombinant DNA Technology	Cdna library, BAC, YAC, Protein purification using his tag Gene Expression, DNA Sequencing, PCR, Gene switch	McGraw Hill
19	MBNT MEMS and BioMEMS	biomimetics, microsystems, biomems simulator	Nanohub
20	MGMD Stem cell technology	Embryonic stem cells, creation of stem cell line, stem cell transplant, stem cell niche, stem cell heart repair, iPS cells	EdHead
21	MBNT Nanoparticles for diagnostic imaging	imaging, magnetic nanoparticles, nano-assembly, microcantilevers, quantum dots	Nanohub
22	MBT Structural Proteomics and Computation	Genetic Network analyzer	GNA
23	MTERM Stem Cell Therapy in Tissue Engineering and Regenerative Medicine	What is stem cell therapy? StemCellShorts - Stem cells animation parts 1, 2 & 3	EdHead
24	MGMD Clinical Cytogenetics	Ultrasound Examination and Amniocentesis, Array CGH and Karyotyping, Linkage Maps	cells alive
25	MGMD Molecular diagnostics	Host pathogen interaction, Production of erythropoietin using rDNA technology, Flow cytometry, Karyotyping, Gene therapy, SiRNA, Tissue and organ transplantation	HHMI
26	MTERM Clinical applications of Tissue Engineering	visualization of MSC cells inside TCP scaffold in a perfusion, Nanoengineering	JOVE
27	MBT Immunology	Complement cascade, auto immunity, immunity and vaccines, ELISA, Blood Typing, Immune System	McGraw Hill
28	MBNT - / MTERM- / MBT- / MGMD- Bioinformatics	Molecular Dynamics simulations of proteins, docking, Network visualization, Molecular 3D visualization, SNP Detection, Gene expression analysis	STATGEN
29	MBNT-Nanotoxicology	carbon nanotubes, carrier concentration, biological networks, meta materials, molecular structure	Nanohub

30	MBT - / MBNT - IPR, Biosafety & Bioethics	Ethics of Human cloning, Biosafety	Dnatube
31	MTERM- / MBNT Nanoparticles for therapeutics	quantum dots, electromagnetic resonance, EPR, Ion channels, morphology	Nanohub
32	MBT - / MBNT - / MGMD - / MTERM - Biostatistics and Research Methodology	Introductory statistics, Sampling Distribution, ANOVA, Binomial Distribution, Goodness of Fit, Histogram, Normal Distribution, Sampling Distribution, t-Test	Statbook

2. Group Discussion: For every course work, some components of the syllabus after introductory lectures by the teaching staff are opened up for group discussion amongst students. The teaching staffs initiate the discussion and also take sufficient care to enhance the communication and language skills of the students.

3. Student Seminars : In addition to classroom-based teaching and discussions, some topics are selected for self-learning by students. These are broad based topics through which students are exposed to literature survey and open source search to prepare for seminar presentations.

4. Journal Clubs : Students are initiated into literature search using appropriate keywords. On selection of a journal article, students are educated on the construction of the articles, experimental techniques demonstrated, results and discussions made based on known facts from literature and hypothesis. This helps the students to prepare the discussions for their project work and also in the construction of their dissertation

5. Quiz Programs : Quiz programs are organized regularly on the course work to understand the level of understanding of the students. They are quizzed on the fundamental aspects and principle involved with various processes

6. Problem Solving Approaches : Students are provided with problems that would test their aptitude towards problem solving. This involves case studies as well as application-based issues for which students are asked to work out solutions

7. Creative Learning: Passion for learning is brought through creative learning.

PROFESSIONAL ETHICS

- ⚙ Students are given first priority for their studies, empowerment and character building
- ⚙ Commitment to teaching by providing information about cutting edge technologies and basic knowledge to the students.
- ⚙ Learn current technologies and new innovations in the field of science and technology.
- ⚙ Have a healthy relationship with the students and their parents to make them feel at home when they are in our institution.

MENTOR-MENTEE

- ⚙ To meet with student periodically
- ⚙ To answer general questions about the University, to address students concerns about future, industry/R&D excitements
- ⚙ To put them in touch with other students from the area of study, including alumni
- ⚙ To give them a better idea about how to handle university study
- ⚙ To provide them with information throughout the semester about the services available to students
- ⚙ To be a friendly face for them on campus
- ⚙ To address their concerns (interpersonal relation, professional relation, etc.) through proper forum
- ⚙ To identify students communication level
- ⚙ To direct the students to the concerned faculty for any clarification with respect to class subjects

FACULTY ACHIEVEMENTS

Sl. No.	Name of the Faculty	Name of the award	Award Description
1	Dr. Surajit Pathak	Travel Award to Schenzen, China 2019	International Travel AMWC China, 2019
2	Dr. Surajit Pathak	Accommodation	Accommodation
3	Dr. Surajit Pathak	Registration	Invited Speaker
4	Dr. Antara Banerjee	Travel Award	Travel Award to Taipei, Taiwan 2019
5	Dr. Antara Banerjee	Accommodation Award	Accommodation in Grand Hyatt, Taipei, Taiwan 2018
6	Dr. Antara Banerjee	Registration Award	Registration for AMWC 5th Aesthetic & Anti-aging medicine world congress
7	Dr. Antara Banerjee	Invited Speaker	Invited speaker for AMWC Asia, Taian Dermatological Society.
8	Dr. Koyeli Girigoswami	Chaired Scientific Session	International Conference on Stem Cells and Cancer Therapy held at Saveetha Dental College, Poonamalli, Tamilnadu
9	Dr Shoba Narayan	Guest Lecture	Certificate for delivering lecture on Nano for better therapeutics: Turning weakness and challenges into oppurtunities
10	Dr. Surajit Pathak	International Travel	AMWC 16th Aesthetic & Anti-aging medicine world congress, 2019
11	Dr. Surajit Pathak	International Travel	AMWC 5th Aesthetic & Anti-aging medicine world congress, 2019
12	Dr. Surajit Pathak	Accommodation in La Medidian, Monaco, Montecarlo 2018	Accommodation
13	Dr. Surajit Pathak	Accommodation in Grand Hyatt, Taipei, Taiwan 2018	Accommodation
14	Dr. Surajit Pathak	Invited Speaker	Registration
15	Dr. Surajit Pathak	Invited Speaker	Registration
16	Dr. Weslen Vedakumari	Research Fellowship	Summer fellowship
17	Dr. Weslen Vedakumari	Best Poster Award	Best Poster
18	Dr N Srinivasan	Prof. B.B. Kaliwal Gold Medal oration 2018 award	Best Orator Award
19	Dr. Surajit Pathak	Travel Award to Monaco, Montecarlo 2018	International Travel AMWC 15th Aesthetic & Anti-aging medicine world congress, 2018
20	Dr. Surajit Pathak	Travel Award to Taipei, Taiwan 2018	International Travel AMWC 4th Aesthetic & Anti-aging medicine world congress, 2018
21	Dr. Surajit Pathak	Accommodation in La Medidian, Monaco, Montecarlo 2018	Accommodation

22	Dr. Surajit Pathak	Accommodation in Grand Hyatt, Taipei, Taiwan 2018	Accommodation
23	Dr. Surajit Pathak	Invited Speaker	Registration
24	Dr. Surajit Pathak	Invited Speaker	Registration
25	Dr. Surajit Pathak	Invited Speaker	Registration
26	Dr. Antara Banerjee	Invited Speaker	Invited Speaker, BIOTRENDS, 4th Edition, IIT Madras, Chennai
27	Dr. Antara Banerjee	Judge, Paper Presentation	Judge (for Paper Presentation), BIOTRENDS, IIT Madras
28	Dr. Koyeli Girigoswami	Invited Speaker	Invited Speaker 'One Day Seminar on Challenges and Opportunities in Green Nanotechnology' held at VELS Institute of Science and Technology, Chennai
29	Dr. Koyeli Girigoswami	Resource Person	Resource Person at 'One day Workshop on Electro Chemotherapy for Cancer Treatment' held at B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai
30	Dr. R. Saravanan	Guest Lecture	Drugs from marine mollusc, School of Biological Sciences, VIT, Vellure
31	Dr R Murugesan	NIH Collaborative work	Research work

STUDENT ACHIEVEMENTS

Sl. No.	Name of the Student / Name of the Team Members	UG / PG / PhD	College Name	Name of the award	Award Description
1	B. Jayavardhini	PG	FAHS	TNSCT Project Scheme Award	Fabrication of sericin based nanocomposites with angiogenic property for treating ischemic diseases
2	Sushmitha S	PhD	FAHS	Lady Tata Memorial Trust Fellowship	Junior Research Scholarship
3	Geeva	PhD	FAHS	Indian Council of Medical Research Senior Research Fellowship	Senior Research Fellowship-45/25/2019-Nan/BMS

4	Madhumala Gopinath	PhD	FAHS	Visiting Research Scholar	Received Travel and accommodation benefits along with full access to the lab and other facilities related to experiments at department of IKE Under the ONGOING Collaborative Doctoral program.
5	Subitha P	PhD	FAHS	Lady Tata Memorial Trust Fellowship	Junior Research Scholarship
6	B. Jayavardhini	PG	FAHS	Summer Research Intern Fellowship	Summer Research Intern Fellowship
7	P.Sharmiladevi	PhD	FAHS	First Prize	E Poster
8	Athira Anirundhan	PhD	FAHS	Beat Oral Presentation	Oral Presentation on sepsis diagnosis

LIST OF PATENTS – FIRST EXAMINATION REPORT RECEIVED

Sl. No	Inventors	Title	Filing Date and Reference No	Publication Date	First examination report date
1.	Sanjay K M, Koyeli G, Agnishwar G, Murugesan R.	Denaturation of Amyloids by Lumbrokinase	09/10/2015 5412/CHE/2015	14/04/2017	23/07/2019
2.	Shoba N, Surajit P, Rachel Karena, MoorthiA, Srinivasan N, Murugesan R.	A method and development of a nanoscaffold for delivery of agents for stem cell differentiation	11/01/2017 201741001087	13/07/2018	02/07/2019

LIST OF PATENTS – PUBLISHED

Sl. No	Inventors	Title	Filing Date and Reference No	Publication Date
1.	WeslenVedakumariS, Jayalakshmi R, Murugesan R.	Fabrication and use of novel nanoscaffolds	03/01/2018 201841000243	05/07/2019
2.	Ramakrishnan V, Bhavani.	Method and testing the use of ESR1 gene polymorphisms in infertility	03/01/2018 201841000248	05/07/2019
3.	Antara B, Ganesan J, Pathak S, Sushmitha S, Murugesan R.	Methods, effects and application of inhibition of Wnt β catenin signaling pathway in mesenchymal stem cells	03/01/2018 201841000240	05/07/2019
4.	Surajit P, Sushmitha S, Antara B, Ganesan J, Murugesan R, Marotta F.	Method and process of conditioned medium derived from mesenchymal stem cells	03/01/2018 201841000251	05/07/2019
5.	Shoba N, Rathi Usha K, Geeva.	Design Development and Use of pH - Sensitive multifunctional gold nanorods	03/01/2018 201841000245	05/07/2019
6.	RamakrishnanV, Pallavi Kesavan, Aiswarya P.S, UmamaheshwariV.	Genetic Polymorphisms Associated with Migraine (Headache), Methods of detection and uses thereof	01/07/2019 201941026210	12/07/2019
7.	Sathyaraj Weslen Vedakumari, RaveendraRubiya, Keerthivasanly swariya, Shalini Thomas, Venkatesan Divya, RMurugasen.	Angiogenic nanocomposites for tissue repair and regeneration	01/07/2019 201941026201	12/07/2019
8.	SathyarajWeslenVeda kumari, Shalini Thomas, Keerthivasanlyswariya, Raveendran Rubiya, BhoopathyJayavardhini, Ramachandran Murugasen.	Nanostructured Magnetic Sericin - Method and process of fabrication of and uses thereof	01/07/2019 201941026203	12/07/2019

9.	Saravanan Ramachandran, Jeneesha George, Gomathy V, Janani priya V, Manigandan Venkatesan, Ramachandran Murugasen.	Extraction and formulation of agar from brown seaweed & use of their anticancer properties	01/07/2019 201941026209	12/07/2019
10.	Karunanithi Rajamanickam, Sharon Jebamalar, Joy Sebastian Prakash J, Ramachandran Murugasen.	Method and Process for Producing Functional Connectivity Index From RS- FMRI For Autism Spectrum Disorder (ASD) And Uses Thereof	01/07/2019 201941026202	12/07/2019
11.	SSJ ShiekFareeth Ahmed, Murugesan.R, Gnanakkumaar, AthiraAnirudhan, Muumina M, Monisha Ganesh K M.	Method and non-invasive process for screening of coronary artery disease using Fourier Transform Infrared Spectroscopy.	01/07/2019 201941026208	12/07/2019
12.	SSJ ShiekFareeth Ahmed, Murugesan.R, Gnanakkumaar, AthiraAnirudhan, Meenalochini M, Rukshana Parveen T, Sruthi B, Prema B.K, Vidhya P.	Method and process for the detection of metal induced toxicity based on Fourier Transform infrared spectroscopy	01/07/2019 201941026204	12/07/2019
13	Shoba Narayan, Nikitha Shalom, Richard, Sangamithra Nehru, SoniyaPushparaj, SubithaPalaniraj, Geeva, Chokkalingam Meyya ppan, Ramachandran Murugesan.	Novel Injectable Biocompatible Carriers for Cardiac Tissue Repair and Regeneration	01/07/2019 201941026200	12/07/2019
14	Ramakrishnan V, Hafsa .S, Santhosh .V, Srivarshini .S.	ESR1 Pvull and Xbal polymorphism Associated with Coronary Artery Disease, Methods of detection and uses thereof	01/07/2019 201941026213	02/08/2019

4.	Karunanithi, Saraswathi, Joy Sebastian J, Murugesan R.	System and Methods to determine structural and functional changes in T1 weighted and functional MRI images in human brain	03/01/2018 201841000239	01/11/18
5.	WeslenVedakumariS, Jayalakshmi R, Murugesan R.	Fabrication and use of novel nanoscaffolds	03/01/2018 201841000243	05/07/2019
6.	Ramakrishnan V, Bhavani.	Method and testing the use of ESR1 gene polymorphisms in infertility	03/01/2018 201841000248	05/07/2019
7.	Antara B, Ganesan J, Pathak S, Sushmitha S, Murugesan R.	Methods, effects and application of inhibition of Wnt β catenin signaling pathway in mesenchymal stem cells	03/01/2018 201841000240	05/07/2019
8.	Surajit P, Sushmitha S, Antara B, Ganesan J, Murugesan R, Marotta F.	Method and process of conditioned medium derived from mesenchymal stem cells	03/01/2018 201841000251	05/07/2019
9.	Shoba N, Rathi Usha K, Geeva.	Design Development and Use of pH - Sensitive multifunctional gold nanorods	03/01/2018 201841000245	05/07/2019
10.	RamakrishnanV, Pallavi Kesavan, Aiswarya P.S, UmamaheshwariV.	Genetic Polymorphisms Associated with Migraine (Headache), Methods of detection and uses thereof	01/07/2019 201941026210	12/07/2019
11.	Sathyaraj Weslen Vedakumari, RaveendraRubiya, Keerthivasanly swariya, Shalini Thomas, Venkatesan Divya, RMurugasen.	Angiogenic nanocomposites for tissue repair and regeneration	01/07/2019 201941026201	12/07/2019

12.	SathyarajWeslenVeda kumari, Shalini Thomas, Keerthivasanlyswariya, Raveendran Rubiya, BhoopathyJayavardhini, Ramachandran Murugasen.	Nanostructured Magnetic Sericin - Method and process of fabrication of and uses thereof	01/07/2019 201941026203	12/07/2019
13.	Saravanan Ramachandran, Jeneesha George, Gomathy V, Janani priya V, Manigandan Venkatesan, Ramachandran Murugasen.	Extraction and formulation of agar from brown seaweed & use of their anticancer properties	01/07/2019 201941026209	12/07/2019
14.	Karunanithi Rajamanickam, Sharon Jebamalar, Joy Sebastian Prakash J, Ramachandran Murugasen.	Method and Process for Producing Functional Connectivity Index From RS-FMRI For Autism Spectrum Disorder (ASD) And Uses Thereof	0107/2019 201941026202	12/07/2019
15.	SSJ ShiekFareeth Ahmed, Murugesan.R, Gnanakkumaar, AthiraAnirudhan, Muumina M, Monisha Ganesh K M.	Method and non-invasive process for screening of coronary artery disease using Fourier Transform Infrared Spectroscopy.	01/07/2019 201941026208	12/07/2019
16.	SSJ ShiekFareeth Ahmed, Murugesan.R, Gnanakkumaar, AthiraAnirudhan, Meenalochini M, Rukshana Parveen T, Sruthi B, Prema B.K, Vidhya P.	Method and process for the detection of metal induced toxicity based on Fourier Transform infrared spectroscopy	01/07/2019 201941026204	12/07/2019

17.	Shoba Narayan, Nikitha Shalom, Richard, Sangamithra Nehru, SoniyaPushparaj, SubithaPalaniraj, Geeva, Chokkalingam Meyya ppan, Ramachandran Murugesan.	Novel Injectable Biocompatible Carriers for Cardiac Tissue Repair and Regeneration	01/07/2019 201941026200	12/07/2019
18.	Jyothi Ashok Kumar, Thotakura Balaji, C.Swathi, Priyadarshini, Ramachandran Murugesan.	Street Maze to assess learning and memory in rodents	01/07/2019 201941026211	12/07/2019
19.	Ramakrishnan V, Hafsa .S, Santhosh .V, Srivarshini .S.	ESR1 Pvull and Xbal polymorphism Associated with Coronary Artery Disease, Methods of detection and uses thereof	01/07/2019 201941026213	02/08/2019

ONGOING RESEARCH PROJECTS UNDERTAKEN (EXTRAMURAL FUNDED PROJECTS)

Sl. No.	Name of the Faculty	Title of the Projects	Duration (in months)	Sanctioned Amount (INR in Lakhs)	Funded by
1.	Dr. Surajit Pathak	Screening of some novel marine bio products in maintaining stemness property in mesenchymal stem cells.	2017-2020	2.45	ReGenera Research Group, Milan, Italy
2.	Dr. Agnishwar Girigoswami	Formulation of nanoparticle-based probe for multimodal imaging and therapy	2017-2020	6.00	CSIR
3.	Dr.Surajit Pathak Dr.R.Murugesan	Bilateral Research Grant Higher Education Ministry collaborative research project for the year 2017-2020 for conducting research on Title: TAZ as a marker for mesenchymal stem cells and its role in maintaining of its stemness property.	2017-2020	30	DST (Indo – Italy)

4.	Dr. Antara Banerjee	Role of UC-MSCs and UC-MSC CM in regulation of colon cancer progression: An approach towards elucidating function of paracrine factors and epigenetic regulators	2018-2021	34	DST-ECR`
5.	Dr.Surajit Pathak	Research on Biomarker Discovery on colon cancer	2018-2021	31	DST-EMR
6.	Dr. R. Saravanan	Antiviral activity of O-sulfated low molecular weight chitosan from industrial waste of cephalopods against herpes simplex virus.	2019-2022	28	DBT, India
7.	Dr.Gowthamkumar.S	Synergistic effect of nano-formulated kaempferol and combretastain on anti-angiogenesis:in vitro and in ova approach	2019-22	46.26	SERB-DST

CONFERENCE PRESENTATIONS

Sl. No.	Name of the faculty	Date	Purpose	National/International
1.	Dr. R Murugesan	July 2018	NIH Collaborative work	International
2.	Dr. Weslen	May-June 2019	Summer Research Fellowship CSIR-Indian Institute of Chemical Technology, Hyderabad	National
3.	Dr. Antara	2019, May, Taipei-Taiwan	Invited Speaker -AMWC ASIA & TDAC (Taiwan Dermatology aesthetic conference),	International
4.	Dr. Surajit	2018, Taiwan-Taipei	Invited Speaker-AMWC ASIA & TDAC (Taiwan Dermatology International aesthetic conference),	International
5.	Dr. Surajit	2018, Monaco	Invited Speaker-AMWC 15th Aesthetic & Anti-aging medicine world congress,	International
6.	Dr. Surajit	2019, May, Taiwan-Taipei	Invited Speaker -AMWC ASIA & TDAC (Taiwan Dermatology aesthetic conference),	International
7.	Dr. Surajit	2019, Monaco, April	Invited Speaker In 16th Aesthetic & Anti-aging medicine world congress,	International

LIST OF GRANTS AND AWARDS

- ⚙ Dr. Antara Banerjee received travel, accommodation, registration grant to deliver invited lecture at Taipei, Taiwan. (May 10-12 2019 Invited speaker)
- ⚙ Dr. Weslen received INSA Summer Research Fellowship (May –June 2019 Research Fellowship)
- ⚙ Dr. Surajit Pathak received Travel, Accommodation and Registration grant for International Conference (9-13 May 2019, Invited Speaker)
- ⚙ Dr. Surajit Pathak received Travel, Accommodation and Registration grant for International Conference (3-7 April 2019, Invited Speaker)
- ⚙ Dr. Weslen received Best Poster Award in RAC19
- ⚙ Dr N Srinivasan received Prof. B.B. Kaliwal Gold Medal oration 2018 award during International conference on Reproduction, Endocrinology and Development.

STUDENT ACHIEVEMENTS

ACADEMIC ACHIEVEMENTS

Sl. No	Year	Name	Programme	Particulars	Date	Venue	Description
1	2019	K. Harini, P.Sharmiladevi, Koyeli Girigoswami, Agnishwar Girigoswami*	M.Sc. MBNT 2019-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	Saveetha Dental College, Poonamalli, Tamilnadu	"Improvement of Rhodamine ROS Quantum Yield using Niosomal Nanoformulation" (e poster) (Best e poster Award)
2	2019	P. Sharmiladevi, V. Haribabu, Koyeli Girigoswami and Agnishwar Girigoswami*	PhD Scholar	International Conference on Stem Cells and Cancer Therapy	05.07.2019	Saveetha Dental College, Poonamalli, Tamilnadu	"Role of mesoporous nanowater reservoir on MR relaxivity" (e poster) (Best Poster Award)
3	2019	SarubalaMalaya perumal, SurajitPathak*, Sushmitha Sriramalu	PhD Scholar	International Conference on Stem Cells and Cancer Therapy	05.07.2019	Saveetha Dental College, Poonamalli, Tamilnadu	"An approach towards investigating the interplay between microRNA 122 & AEG-1 protein in colon cancer progression" (e poster) (Best Poster Award)

STUDENTS PRESENTATION

Sl. No.	Year	Name of the Student	Name of the course	Conference Name	Date	Title of Presentation (Oral / Poster / Invited / Teaching)
1.	2019	Bharath R, Vaishak R	B.Sc MG (2018-2021)	National Symposium on "Bio-processing from marine resources for biotechnological applications: Opportunities and Challenges (NSBMRB-2019)	24.07.2019-25.07.2019	'A novel research on octopus.....' (Poster)
2.	2019	S. Ramadevi,	M.Sc. MGMD (2018-20 Batch)	National Symposium on "Bio-processing from marine resources for biotechnological applications: Opportunities and Challenges (NSBMRB-2019)	24.07.2019-25.07.2019	'Future directions in marine natural.....' (poster)
3.	2019	B. K.Prema, Meenalochini M	M.Sc. MBT (2018-20 Batch)	National Symposium on "Bio-processing from marine resources for biotechnological applications: Opportunities and Challenges (NSBMRB-2019)	24.07.2019-25.07.2019	'Competitive binding of seaweed.....' (Poster)
4.	2019	G Aaron Selvakumar, R Karthik and Ramakrishnan V*	B.Sc. MGMD 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	" Chimeric Antigen Receptor in Cancer therapy" (e poster)
5.	2019	G. Jackson Jesinth, B Siranjeevi and Ramakrishnan V*	B.Sc. MGMD 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	" Halting the diapedesis in Pre Metastasis Stage by Altering the Cytoskeleton Factor" (e poster)

6.	2019	<u>M.S. Pavane, K Roshini</u> and Ramakrishnan V*	B.Sc. MGMD 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"The role of necroptosis in anticancer therapy" (e poster)
7.	2019	<u>Tharun Rao, Arthi.C</u> , Sasikumar, A.Moorthi*	B.Sc. MBNT 2017-20 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"3D Printed Scaffold Technology for Bone Tissue Engineering" (e poster)
8.	2019	<u>Sembiyaa A, Mahalakshmi B</u> and Koyeli Girigoswami*	B.Sc. MBT 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Nanomedicine in Cancer Management" (e poster)
9.	2019	Koyeli Girigoswami* and <u>Tanzil Rubab</u>	B.Sc. MBNT 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Insulin amyloid degradation mediated by ZnO nanoflowers" (e poster)
10.	2019	<u>Kavithasri A</u> and Koyeli Girigoswami*	B.Sc. MBNT 2017-20 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Nanobiosensor to detect ROS using Cerium oxide Nanoclusters" (e poster)
11.	2019	<u>G.Poornima, P. Sharmiladevi</u> , Koyeli Girigoswami, Agnishwar Girigoswami*	M.Sc. MBNT 2019-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Nanoformulate dNaringenin for Improved Solubility and ROS Scavenging" (e poster)
12.	2019	Laya Lenin, Hera Maheshwaran, Antara Banerjee*	B.Sc. MBT 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Novel Sources of stem cells and their applications in human diseases" (e poster)
13.	2019	Catherine Basty, Sreekutty, Pandian Sokkar*	B.Sc. MBT 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Targetting stem cells in cancer treatment" (e poster)

14.	2019	Gayathri S, Swathi Sampathkumar, Pandian Sokkar, Ramachandran Murugesan*	B.Sc. MBT 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Interaction of HIF-1 dimer with HRE sequence with application to anticancer drug design" (e poster)
15.	2019	U. Priyadarshini, R Sarah Cordelia, G.S. Hikku*	B.Sc. MBNT 2017-20 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Polymer nanocomposite assisted fabrication of near super hydrophobic cotton fabric" (e poster)
16.	2019	P.Deeksha, G Deepika and G.S. Hikku*	B.Sc. MBNT 2017-20 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Enhanced photo catalytic properties of ZnO and SnO ₂ composite" (e-poster)
17.	2019	Neerja Viswanathan, Shreshta Vidhya and Karunanithi R*	B.Sc. MGMD 2017-20 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Optical Imaging methods for monitoring cancer prognosis" (e Poster)
18	2019	JencyRoshni , Dharani , Prabu Paramasivam , Shiek SSJ Ahmed	B.Sc. MBT 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	" Regulation Of Cancer Stem Cells Signatures Across Cancers "(e Poster)
19	2019	Jaya Anusha, Niranjani ,Shiek SSJ Ahmed	B.Sc. MBT 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Renal cancer stem cells Biomarkers for the detection of Renal Cancer" (e Poster)
20	2019	Rithika, Momala Banu, Shiek SSJ Ahmed	B.Sc. MBT 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Cancer stem cells markers and its role in detection of patients with Pancreatic Cancer" (e Poster)
21.	2019	Rakshana G and Ramakrishnan V*	B.Sc. MGMD 2017-20 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"The use of stem cells to construct bioprosthetic organs for transplantation"

22.	2019	A Lenika, BBL Sowjanya and Ramakrishnan V*	B.Sc. MGMD 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"NPML and" (e Poster)
23	2019	Chandralekha A S, Keerthana R and Ramakrishnan V*	B.Sc. MGMD 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Neurotoxicity associated with chemotherapy (posterior Reversible Encephalopathy Syndrome)" (e Poster)
24.	2019	<u>Rishika Gopikar</u> ¹ , Husaina Banu ¹ , Ramakrishnan V*	B.Sc. MGMD 2018-21 Batch	International Conference on Stem Cells and Cancer Therapy	05.07.2019	"Neural Stem Cell Therapy for Cerebral Stroke" (e Poster)
25.	2019	Hemalatha S, Sivakami M Geeva and Shoba Narayan	M.Sc. MBNT 2017-19 Batch	International Conference on Nanomedicine (ICON) 2019	25.02.2019 and 26.02.2019	'Serum biomarker sensing by nanoformulation -biopolymer conjugation: fluorescent method' (Poster Presentation)
26.	2019	Sivakami M, Hemalatha S, P. Subitha and Shoba Narayan	M.Sc. MBNT 2017-19 Batch	International Conference on Nanomedicine (ICON) 2019	25.02.2019 and 26.02.2019	'Synthesis and characterization of nanoformulation to release substances for healing peptic ulcers' (Poster Presentation)
27	2019	JinoAffrald, S.P. Naseem Banu, P Priyanka, Geeva and Shoba Narayan	B.Sc. MBNT 2016-19 Batch	International Conference on Nanomedicine (ICON) 2019	25.02.2019 and 26.02.2019	'Systemic studies on Functionalization of Dendrimer to metal nanoparticle for pH sensitive drug release' (Poster Presentation)
28	2019	Deepika A, Kanal A, Ramyaa Shri K, Subitha and Shoba Narayan	B.Sc. MBNT 2016-19 Batch	International Conference on Nanomedicine (ICON) 2019	25.02.2019 and 26.02.2019	'Dendrimer based Nano matrix for Regenerative medicine- A biomimetic approach' (Poster Presentation)

29.	2019	Subitha, Shoba Narayan and R Murugesan	PhD Scholar	5 th International Conference on Nanoscience and Nanotechnology (ICONN 2019)	28-01-2019 to 30-01-2019	"Bactericidal activity of drug-loaded calcium phosphate/chitosan nanocomposite fillers against oral pathogenic bacteria" (Poster)
30.	2019	Geeva and Shoba Narayan	PhD Scholar	5 th International Conference on Nanoscience and Nanotechnology (ICONN 2019)	28-01-2019 to 30-01-2019	"Polymeric Nanoparticles for delivery of drug to brain: An invitro study to understand cellular uptake of Drug" (oral)
31.	2019	J. Tharun Rao, P. Srinivasanand R. Saravanan	B.Sc. MBT and MBNT 2017-20 batch	Biochemistra-2K19	07.01.2019	"Role Of Chitosan in Biomedical Applications " (Poster presentation)
32	2019	S Arjun and Weslen Vedakumari*	B.Sc. MBNT 2016-19 batch	National Conference on Recent Advances in Chemistry (RAC-19)	04.01.2019 and 05.01.2019	"Nanofibrin for drug delivery" (poster presentation)
33.	2018	Sagayaraj K	M.Sc. CP, 2017-19 Batch	Frontiers of Consciousness	28.12.2018 and 29.12.2018	'A study on general well being and self concept of mothers having children with multiple disabilities'

M.Sc. & B.Sc. PROJECTS

Sl. No.	Name of the Investigators	Title	Funding Agency (if any)	Duration
MSc. Medical Biotechnology				
1.	Annie Babu Guide: Dr.Antara Banerjee	Role of bioactive phytomarine Rhodiola-sbf with lf-trachurus compound Against oxidative stress and aging In bacteria	CARE	2018-19
2.	Bankole opeyemi Guide: Dr.Vasanthi	Molecular methods for detecting biofilm producing multi drug resistant clinical isolates.	CARE	2018-19
3.	Delanrongpipi Guide: Dr.Nirupa	Preliminary isolation & characterization of magneto tactic bacteria from coastal area of Chennai,tamilnadu	CARE	2018-19
4.	Gomathy V. Guide: Dr.R.Saravanan	A comparative study of anti-inflammatory effect of sulphated chitosan from marine wastes.	CARE	2018-19
5.	Hemalatha S. Guide: Dr.Shoba Narayan Co-Guide: Dr Chokkalingam	Development of polymer conjugated coumarin based homocysteine sensing marker	CARE	2018-19
6.	Janani G. Guide:Dr.Surajit Pathak	Study of anti-inflammatory property of Rhodiola SBF+LF-T in induced COPD in mice	CARE	2018-19
7.	Janani Priya V. Guide: Dr.R.Saravanan	In-vivo anti-inflammatory activity of enriched proteins from spirulina	CARE	2018-19
8.	Jasmine sultana Guide: MrsKurunchi C. Divya	Levels of Salivary biomarkers biomarkers AKT1 and hsCRP in patients with cardiovascular diseases	CARE	2018-19
9.	Jeneesha George Guide: Dr.R.Saravanan	Evaluation of anti-skin cancer property of formulated agar from brown seaweed (Laminaria digitate)- female mice-DMBA	CARE	2018-19

10.	Kamal raj N. Guide: Dr. Shiek Fareeth Ahmed	Assessment of metabolomics approach using gold nano particle in stimulated human whole blood	CARE	2018-19
11.	Nasima begum laskar Guide: Mrs Kurunchi C. Divya	Levels of system biologically identified biomarkers AKT1 and hsCRP in patients with cardiovascular diseases	CARE	2018-19
12.	Naziya gulnaaz Guide: Dr. Murugesan	Estimation of level of the cardiac biomarker for type II Diabetes patients with and without coronary artery disease.	CARE	2018-19
13.	Priyalisaikia Guide: Dr. Shiek Fareeth Ahmed	Association of metabolite variations with HbA1C level in type 2 diabetes mellitus	CARE	2018-19
14.	Susmita roy Guide: Dr. Surajit Pathak	A study on effects of Acetyl-11-Keto- β -boswellic acid against dextran sodium sulphate induced chronic toxicity in mice.	CARE	2018-19
15.	Vishal kumar C. Guide: Dr. Shiek Fareeth Ahmed	Influence of silver nano particle in human whole blood using metabolomics approach	CARE	2018-19
MSc Medical Bionanotechnology				
1.	S. Antinate Shilpa Guide: Dr. Murugesan	Study on size-dependent efficacy and toxicity of nanoparticles used in cosmetic products	CARE	2018-19
2.	B. Jayavardhini Guide: Dr. Weslen Vedakumari	Effect of Sericin scaffold functionalized with Human Placenta derived Extracellular Matrix for Wound Dressing Application	CARE	2018-19
3.	Samant Kumar Guide: Dr. Agnishwar	Nano Encapsulated probiotics for the Enhanced Therapeutic utility	CARE	2018-19
4.	M. Sivakami Guide: Dr. Shoba Narayan	Release of Hydrogen sulphide by Nanoformulation for healing gastric ulcer	CARE	2018-19

MSc Medical Genetics & Molecular Diagnostics				
1.	P.Ashwathi Guide: Dr.V.Ramakrishnan	Genetic predisposition of LEPR gene polymorphisms in Type – II Diabetes mellitus- A case/control study	CARE	2018-19
2.	R.Deepa Guide: Dr.Koyeli Girigoswami	'Synthesis, characterization and in vivo toxicity using zebrafish model and gene expression studies'	CARE	2018-19
3.	S.Keerthana Guide: Dr.V.Ramakrishnan	Association of <i>MTHFR</i> gene polymorphisms in Preeclampsia and Recurrent abortion- A case/control study	CARE	2018-19
4.	M.Malarkodi Guide: Dr.S.Raghavan	Positive selection site analysis in HIV1 and its accessory proteins	CARE	2018-19
5.	R.Vivedharani Guide: Dr.S.Raghavan	Identification of positive selection sites and its potential immunological relevance in HIV-1 protease	CARE	2018-19
MSc Tissue Engineering and Regenerative Medicine				
1.	Faouria Guide: Dr.Moorthi	Formulation and antibacterial activity of cu-nb-gc for Bone Tissue Engineering	CARE	2018-19
2.	Praveen Rawlo Guide: Dr.Antara Banerjee	Role of Wnt Signaling in Trans-differentiation Of Mesenchymal Stem Cells Towards Neuronal Lineage	CARE	2018-19
3.	Dr Sasikumar Guide: Dr.Moorthi	Construction of modified topographic 3D typhographic scaffold using polymer Zinc Doped Bioglass for In Vitro osteogenesis	CARE	2018-19
4.	Shibormi Guide: Dr.WeslenVedakumari	Silk Sericin/Gelatin scaffold incorporated with Quercetin for Wound Dressing and Tissue Regeneration	CARE	2018-19

MSc Counseling Psychology				
1.	Akshaya Guide: G.Pavithra	Work-life balance, social support and mental health among women undergoing fertility treatments	CARE	2018-19
2.	Beulah Valarmathi Guide: Ms. Sangeetha	Anxiety among higher secondary students on NEET exam.	CARE	2018-19
3.	Deepika Guide: Dr.C.N.Ramgopal	A study on perceived social isolation and self esteem in relation to psychological well being of hearing impaired individuals	CARE	2018-19
4.	Durga Guide: G.Pavithra	A study on relationship between stress, quality of sleep and anger among NLC employees doing general and shift basis work.	CARE	2018-19
5.	Eldose Guide: Dr.C.N.Ramgopal	A study on effect of perceived social support and a spiritual well being on self esteem among institutionalized physically challenged adolescence	CARE	2018-19
6.	Esha Guide: G. Pavithra	Psychosocial predictors of eating patterns among young adults	CARE	2018-19
7.	Hinisha Guide: G. Pavithra	Correlation between sibling relationship and emotional intelligence in adults	CARE	2018-19
8.	Mithila Guide: G. Pavithra	Shyness, locus of control and psychological well-being as predictors of internet addiction and	CARE	2018-19
9.	Mithra Guide: Ms. Sangeetha	A comparative study among spouses of social drinkers and alcoholic addicts on stress and psychological well-being.	CARE	2018-19
10.	Monisha Guide: G. Pavithra	Self-concept, assertiveness and emotional intelligence among young dancer and non dancers	CARE	2018-19
11.	Ranjith Gnanaselvam R Guide: Dr.C.N.Ramgopal	Role of self esteem and peer pressure in influencing alcohol dependence among young adults in rural areas	CARE	2018-19
12.	Sahayaraj Guide: Dr.C.N.Ramgopal	Development of sexual orientation scale	CARE	2018-19
13.	Shwetha Guide: Dr.C.N.Ramgopal	A study on quality of life of aged people living in old age home and with families	CARE	2018-19

MSc Echocardiography And Cardiovascular Imaging Technology & MSc Radiology				
1.	S.S.Eswari Dr.Durgadevi.K/ Dr.G.Ashok	Correlation between myocardial performance(TEI) index using pulse wave doppler with left ventricular function by Simpson's method in patients with ejection fraction 30%	CARE	2018-19
2.	M.P.Keerthana Dr.Durgadevi.K/ Dr.G.Ashok	Prevalence of subclinical left ventricular dysfunction by global longitudinal strain echocardiography in hypertensive patients with left ventricular hypertrophy	CARE	2018-19
3.	V.Poonthendral Dr.Durgadevi.K/ Dr.G.Ashok	Assessment of left ventricular function using global longitudinal Strain echocardiography in patients with diabetes mellitus	CARE	2018-19
4.	Sam Deva Irakkam Dr.Durgadevi.K/ Dr.G.Ashok	Prevalence of thinned out inter atrial septum/ inter atrial septal aneurysm in normal patients	CARE	2018-19
5.	B.Yamini Dr.Durgadevi.K/ Dr.G.Ashok	Evaluation of right ventricular dysfunction in patients with chronic obstructive pulmonary disease	CARE	2018-19
6.	K.Niranjana Dr.Krishna moorthi/ Dr.Einstein	Usefulness of metal artifact reduction technique in patients with metallic objects in computed tomography (CT)- A Prospective study	CARE	2018-19
7.	P.Punitha Dr.Krishna moorthi/ Dr.Einstein	Analysis of data obtained from susceptibility weighted imaging and gradient echo sequence in the evaluation of hemorrhage in MRI brain-A Prospective study	CARE	2018-19
8.	Mr.V.S.Akhil Sudhan Dr.Krishna moorthi/ Dr.Einstein	Correlation of anterior posterior diameter of abdomen with CT dose index (CTDI) and dose length product (DLP) in abdomen CT scan-A Retrospective study	CARE	2018-19

BSc Medical Genetics				
1.	Anushree Nair, Remashree, Madh ushree, Chandrasudan Guide: Dr Ramakrishnan Co-Guide: Dr. Subramaniyan	Association of BDNK gene in stroke – A pilot study	CARE	2018-19
2.	Durga, Keerthana P, Ishwarya, Sivasankar Guide: Dr. Ramakrishnan Co-Guide: Dr. Prema Jayaprasath	Genetic Predisposition of human epithelial factor 2 gene polymorphism with fibroadenoma susceptibility	CARE	2018-19
3.	Jancy, AnalinJemi, Gousalya, Sowndarya Guide: Dr Gowtham Co-Guide: Nalini	A study on the association of FSHR IL-10 gene polymorphism with PCOS condition	CARE	2018-19
4.	Priyadarshini, Saranya, Subathra Guide: Dr. Pandian	Androgen receptor inhibition potential of bioflavonoids in triple negative breast cancer	CARE	2018-19
5.	Praveen, Vivek Guide: Dr. Moorthi	Modified chitosan for enhanced gene delivery application	CARE	2018-19
6.	Sowmiya, Libiya, Santhiya, Nishadevi Guide: Dr. KC Divya		CARE	2018-19
7.	Jaisurya, Aravind, Udhyakumar, Jebaraj Guide: Dr Moorthi	Determination of circulatory levels of micro RNA as biomarker for diagnosis of cardiovascular disease	CARE	2018-19

BSc Medical Biotechnology				
1.	Anudevi SD, MonicaE, Imran Khan J, Shiffar MK Guide: Dr Surajit Pathak	Biological actions of protein extracted from chicken hemoglobin	CARE	2018-19
2.	Catherine Gnana, Beulah V, DeboralHabsa Hassan, Hariharan Guide: Dr Shiek Co-Guide: Dr Rajasekaran	Effect of anti-diabetic drug on the levels of serum brain-derived neurotrophic factor in type 2 diabetes mellitus.	CARE	2018-19
3.	Kanchan, Christy, Sudarshan, Princy Guide: Dr KC Divya	Rapid detection of Serratia marcescens by Loop mediated isothermal amplification	CARE	2018-19
4.	Janaki Raman.V;Raman an.R;Jeeva Bharathi S.M;Jagan AS Guide: Dr. Raghavan Sampathkumar	Identification and characterization of positive selection sites in HIV-1 Gp-120	CARE	2018-19
5.	Kanagalakshmi, Ragavi, SAranya, Vidya Guide: Dr. Thangavel M Co-Guide: Dr Sabari Sridhar	Association of serum C3 and uric acid levels in bipolar disorder in Indian population	CARE	2018-19
6.	Nandhini M, Nishanthini R, Sheeba S, Sangeetha N Guide: Gowtham Kumar	Effect of Anethumgraveolens and Holarrhenaantidysenterica extract with reference to antibacterial, antioxidant and green synthesis of TiO ₂ nanoparticles	CARE	2018-19

BSc Medical Bionanotechnology				
1.	Deepika A, JinoAffrald R, Kanal A S, Naseem Banu S P Guide: Dr Shoba Narayan	Systematic Studies on Biopolymer Functionalised Gold nanoparticles for Melamine Detection	CARE	2018-19
2.	S. Arjun,. V. Padma Priya V, KB Rusanya, L. Pavithra Guide: Dr Weslen Vedakumari	Collagen based scaffold for wound dressing.	CARE	2018-19
3.	Yuvraj R, Harini K, Dhasarath Dev S, Aswini S Guide: Dr Agnishwar	Co-improvement of rhodamine fluorescence and ROS generation by niosomal nanoformulation	CARE	2018-19
4.	Sriraam KS, Poornima G, Kalki Kamini K, Podamekala Neethu Guide: Dr Agnishwar	Nanoformulated Naringeni for improved solubility and ROS scavenging	CARE	2018-19
5.	Keerthana V, Jothika S, Kavitha D Guide: Dr Koyeli	Solar powered nanosensor for bioremediation	CARE	2018-19

BSc Cardiac Technology Batch (AHS)				
1.	S. Blessy Guide/Coguide: Dr. Ashok/ Dr. Durga devi	Correlation between electrocardiographic changes and coronary angiographic localization in patients with ST segment elevation	CARE	2018-19
2.	N.Deepalakshmi Guide/Coguide: Dr. Ashok/ Dr. Durga devi	Comparison of the assessment of LV ejection fraction by teicholz and simpson's method	CARE	2018-19
3.	R.Radhika Guide/Coguide: Dr. Ashok/ Dr. Durga devi	Correlation between speckle tracking Echocardiography and coronary artery disease in patients with angina pectoris	CARE	2018-19
4.	R. Rethu sri Guide/Coguide: Dr. Ashok/ Dr. Durga devi	Correlation of Electrocardiographic Criteria in Left ventricular Hypertrophy and Left Ventricular Mass Index by Echocardiogram	CARE	2018-19
5.	R. Sandhiya Guide/Coguide: Dr. Ashok/ Dr. Durga devi	Analysis of the Coronary Angiographic Profile in Positive Exercise Treadmill test in patients with Diabetes Mellitus.	CARE	2018-19
BSc Cathlab Technology (AHS)				
1.	P. Manju Guide/Coguide: Dr. Ashok/ Dr. Durga devi	The correlation between lipid profile and coronary artery disease based on angiographic findings	CARE	2018-19
2.	F. Naveen raj Guide/Coguide: Dr. Ashok/ Dr. Durga devi	Retrospective study on occurrence of coronary anomalies in the patients undergoing coronary angiogram	CARE	2018-19
3.	P.L Parvathi Guide/Coguide: Dr. Ashok/ Dr. Durga devi	A prospective study on elevation of B type natriuretic peptide levels and angiographic findings among patients of unstable angina and non ST elevated myocardial infarction	CARE	2018-19
4.	R.Pavithra Guide/Coguide: Dr. Ashok/ Dr. Durga devi	A prospective study of high sensitivity cardiac Troponin I associated with Angiographic severity and diabetes mellitus in patients with coronary artery disease.	CARE	2018-19
5.	S. SWATHI Guide/Coguide: DR ASHOK/ DR. DURGA	Retrospective study on coronary ectasia with smoking as a risk factor	CARE	2018-19

BSc Anaesthesia Technology (AHS)				
1.	Ms.M.Priya Guide/Co-Guide: Prof. Dr.Ashok Kulasekhar Dr.Naveen Ramji	Prediction of difficult intubation using "intubation difficulty scale".a comparison between obese and non obese patients undergoing general anaesthesia for elective surgeries	CARE	2018-19
2.	Ms.P.Karthika Devi Guide/Co-Guide: Prof. Dr.Ashok Kulasekhar Dr.Naveen Ramji	Comparison of haemodynamic responses to laryngeal mask airway insertion versus endotracheal tube intubation in adult undergoing general anaesthesia for elective surgeries	CARE	2018-19
3.	Ms.A.Dhanusha Guide/Co-Guide: Prof. Dr.Ashok Kulasekhar Dr.Naveen Ramji	Comparison between thyromental distance, atlanto occipital joint score and mallampatti grading as a predictor of difficult laryngoscopy	CARE	2018-19
4.	Ms.K.Aswini Guide/Co-Guide: Prof. Dr.Ashok Kulasekhar Dr.Naveen Ramji	Assessment of the height of sensory blockade in patients undergoing caesarean section.an observational study	CARE	2018-19
5.	Ms.R.Saranya Guide/Co-Guide: Prof. Dr.Ashok Kulasekhar Dr.Naveen Ramji	Comparison of incidence of sore throat using laryngeal mask airway and endotracheal tube	CARE	2018-19
6.	MS.B.Ranjitha Guide/Co-Guide: Prof.Dr.Ashok Kulasekhar Dr.Naveen Ramji	Comparison of end tidal carbon dioxide with haemodynamic changes in laproscopic and open surgeries	CARE	2018-19
7.	M.S.Amrutha varshini Guide/Co-Guide Dr.K.Subramaniyan, Dr.Devaprasad	A Study of Somatosensory Evoked Potentials in Lateral Femoral Cutaneous Nerve of Thigh (LFCN) and to estimate its diagnostic efficacy in detecting Meralgia Paresthetica.	CARE	2018-19
8.	S.Mahalakshmi Guide/Co-Guide Dr.K.Subramaniyan Dr.Devaprasad	An Analysis of Vestibular Evoked Myogenic Potentials in Migrainous individuals attending a tertiary care hospital.	CARE	2018-19
9.	J.RajaPrincia Guide/Co-Guide Dr.K.Subramaniyan Dr.Devaprasad	The study of Visual Evoked Potentials in Diabetic patients without retinopathy attending a tertiary care hospital.	CARE	2018-19

BSc Medical Lab Technology (AHS)				
1.	Aruna.K Guide: Dr.Murugavel	Spectrum of Cancer Risk in Renal transplant recipient- A Meta Analysis	CARE	2018-19
2.	Kavitha.M Guide: Dr.BhuvaneshwariT hyagarajan	A comparative study on the usefulness unstained and stained peripheral blood smears for estimating the platelet count – A quest for rapid screening method.	CARE	2018-19
3.	Ramana Sai Guide: Dr.Alice Peace	A Study on the nasal cartilage of pathobions and the antimicrobial susceptibility profile among ICU patients and health care workers	CARE	2018-19
4.	Sabarinathan.M Guide: Dr.S.Devi	The effect of underfilled K2EDTAvacutainer on automated blood cell indices.	CARE	2018-19
5.	Sandeep Samsan.N Guide: Dr.Kumaran	A survey of white coat hygiene among the medical and paramedical students in a tertiary care hospital.	CARE	2018-19
6.	Shipin.M Guide: Dr.Murugavel	Assessment of organ dysfunction in sepsis using Sequential Organ Failure (SOFA) and Quick Sequential Organ Failure Assessment (qSOFA) Scoring Systems –A Meta Analysis	CARE	2018-19
7.	Anjana Satheesh Guide/Co-Guide: Dr.Arunkumar Dr.Vijay	Comparision of injury severity score and revised trauma score of polytrauma patients presenting to emergency room	CARE	2018-19
8.	Durga.M Guide/Co-Guide: Dr.Arunkumar Dr.Vijay	Analysis of various causes of morbidity in geriatric patients in emergency room	CARE	2018-19
9.	Niyo K.T Guide/Co-Guide: Dr.Arunkumar Dr.Vijay	Analysis of predeictive value of baseline nihss score on neurological outcome in cerebro vascular accident patients presenting to emergency room	CARE	2018-19
10.	Sangeetha.M Guide/Co-Guide: Dr.Arunkumar Dr.Vijay	Predominant analysis of electrolyte imbalance and severity of anemia in ckd patients presenting to emergency room	CARE	2018-19

11.	Sathish Kumar.A Guide/Co-Guide: Dr.Arunkumar Dr.Vijay	Analysis of various common causes of pulmonary edema presenting to emergency room	CARE	2018-19
12.	Swedha.S Guide/Co-Guide: Dr.Arunkumar Dr.Vijay	Analysis of various causes of acute abdominal pain in patients presenting in emergency room	CARE	2018-19

BSc Perfusion technology (AHS)

1.	Ms.A.Thanuja Guide/Co-Guide: Dr.Sanjay Theodore Mr.Lakshmipathy	Effects on renal function during on pump and off pump coronary artery bypass graft surgery-a retrospective study	CARE	2018-19
2.	Ms. Gundlapalli pooja Guide/Co-Guide: Dr.Sanjay Theodore Mr.Lakshmipathy	Evaluation on reduction of hemodilution in conventional and minimally invasive cardiac surgery- a retrospective study	CARE	2018-19
3.	Ms.Shivani Rajan Guide/Co-Guide: Dr.Sanjay Theodore Mr.Lakshmipathy	Analysis of blood cardioplegia compared to crystalloid cardioplegia for myocardial protection in patients who underwent valve replacement surgery- a retrospective study	CARE	2018-19
4.	Ms.K.Ayisha Afiya Guide/Co-Guide: Dr.Sanjay Theodore Mr.Lakshmipathy	A retrospective analysis of microcirculatory blood flow during cardiopulmonary bypass	CARE	2018-19
5.	Ms.M.Elakiya Guide/Co-Guide: Dr.Sanjay Theodore Mr.Lakshmipathy	Effect of priming solutions crystalloid and crystalloid with colloid in cardiac surgery using cardiopulmonary bypass-a retrospective study	CARE	2018-19
6.	Ms.Aswathy Rajan Guide/Co-Guide: Dr.Sanjay Theodore Mr.Lakshmipathy	The effects of vacuum compared to gravity on venous drainage during cardiopulmonary bypass- a retrospective study	CARE	2018-19

BSc Radiology (AHS)				
1.	Aswani.J Guide/Co-Guide: Dr. Krishnamoorhy & Dr. Einstien	The role of CT for initial management of blunt abdominal trauma-A Retrospective study.	CARE	2018-19
2.	Chandra Choodeshwar. K Guide/Co-Guide: Dr. Krishnamoorhy & Dr. Einstien	Dose reduction method among patients in CT scan-A Prospective study.	CARE	2018-19
3.	Gokul.G Guide/Co-Guide: Dr. Krishnamoorhy & Dr. Einstien	The role of Diffusion weighted Imaging in emergency assessment of patients with acute stroke-A Retrospective study.	CARE	2018-19
4.	Pooja Sree.T Guide/Co-Guide: Dr. Krishnamoorhy & Dr. Einstien	The role of CT in acute and chronic hemorrhage in brain-A Retrospective study.	CARE	2018-19
5.	Sharik Anwar.A Guide/Co-Guide: Dr. Krishnamoorhy & Dr. Einstien	The study on MRI to determine the value of sagittal oblique technique for evaluation of anterior cruciate ligament injury in the knee-A Retrospective study.	CARE	2018-19
6.	Yuvasree.V Guide/Co-Guide: Dr. Krishnamoorhy & Dr. Einstien	The comparison between conventional computed tomography chest and high resolution computed tomography in interstitial disease of lung-A Retrospective study.	CARE	2018-19
BSc Respiratory Technology				
1.	Devi priya Guide/Co-Guide: Dr.N.Meenakshi Dr.ArunaShanmug anathan	To determine changes in Pulmonary Function Test abnormalities with exposure to automobiles	CARE	2018-19
2.	S.Janani Guide/Co-Guide: Dr.N.Meenakshi Dr.ArunaShanmug anathan	Pulmonary Rehabilitation in COPD	CARE	2018-19

3.	S.Priyadharshini Guide/Co-Guide: Dr.N.Meenakshi Dr.ArunaShanmug anathan	A study of Pulmonary Function Profile in Sugarcane Industry Workers using Spirometry and Vitalograph	CARE	2018-19
4.	M.Shirly, Guide/Co-Guide: Dr.N.Meenakshi Mrs.J.Jenny	To evaluate Pulmonary Function Parameters & Lung age among Sports Personnel	CARE	2018-19
5.	H.R.Silmiya Guide/Co-Guide: Dr.N.Meenakshi Dr.ArunaShanmug anathan	Measurement of Carboxyhemoglobin in smokers	CARE	2018-19
6.	S.Vinoth Kumar Guide/Co-Guide: Dr.N.Meenakshi Dr.ArunaShanmug anathan	Profile of Pulmonary Function Parameters in Coal Handlers in a South Indian Port	CARE	2018-19
7.	G. Nivetha Guide/Co-Guide: Dr.Balasubramian Dr. Thirumavalavan	The assessment of severity of depression among hemodialysis patient	CARE	2018-19
8.	R. Ramya Guide/Co-Guide: Dr.Balasubramian Dr. Thirumavalavan	Assessment of hemodialysis accuracy using urea reduction and its factors influencing accuracy among hemodialysis patient	CARE	2018-19
9.	R. Akash Kumar Guide/Co-Guide: Dr.Balasubramian Dr. Thirumavalavan	Analysis of incidence in intradialytic hypertension among patients on hemodialysis on territory care centre	CARE	2018-19
10.	Kiruthiga Guide/Co-Guide: Dr.Balasubramian Dr. Thirumavalavan	A study of assessment of pain in end stage renal disease patients on maintenance hemodialysis using brief vein inventory	CARE	2018-19
11.	Bhakyalakshmi Guide/Co-Guide: Dr.Balasubramian Dr. Thirumavalavan	Assessment of physical emotional symptoms in chronic hemodialysis patients	CARE	2018-19
12.	Suganthi Guide/Co-Guide: Dr.Balasubramian Dr. Thirumavalavan	Analysis of nutritional status in patients with end stage renal disease on hemodialysis	CARE	2018-19

BSc Dermatology (AHS)				
1.	M.Kiruba Guide: Dr.Abarna Muthu Lakshmi	Patient satisfaction and cosmetic outcome using microdermabrasion with 35% glycolic acid peel in facial melanosis	CARE	2018-19
2.	Asmitha.M Guide: Dr. M. Kandaswamy	Assessment of patient satisfaction and cosmetic outcome using 35% glycolic acid peel in epidermal melasma	CARE	2018-19
3.	Sathishwaran. K Guide: Dr. Kandaswamy	Assessment of prevalence of tinea in a tertiary care hospital, in kelambakkam	CARE	2018-19
4.	B.Iswarya Guide: Dr. N. Ashok kumar	Patient satisfaction and cosmetic outcome of 30% Salicylic acid in grade 1&2 acne vulgaris	CARE	2018-19
5.	Pavithra.P Guide: Dr. N. Ashok kumar	Assessment of dermatology life quality index (dlqi) in patients with vitiligo	CARE	2018-19
BSc Emergency Room And Trauma care Technology (AHS)				
1.	Anjana Satheesh Guide: Dr. Arun Kumar	Comparison of revised trauma score and injury severity score on prediction of survival chance of trauma patients presenting to emergency room	CARE	2018-19
2.	Durga.M Guide: Dr. Arun Kumar	Analysis of various causes of morbidity in geriatric patients presenting to emergency room	CARE	2018-19
3.	Niyo k.t. Guide: Dr. Arun Kumar	Analysis of the predictive value of baseline nihss score on Neurological outcome in cerebro vascular accident Patients presenting to emergency room	CARE	2018-19
4.	Sangeetha.M Guide: Dr. Arun Kumar	Analysis of predominant electrolyte imbalance and severity of anemia in ckd patients presenting to emergency room	CARE	2018-19
5.	Sathish Kumar .A Guide: Dr. Arun Kumar	Analysis of various causes of pulmonary edema in patients presenting to emergency room	CARE	2018-19
6.	Swedha.S Guide: Dr. Arun Kumar	Analysis of various causes of acute abdominal pain in patients	CARE	2018-19

BSc Neuroscience Technology (AHS)				
1.	M.S.Amruthavarshini Guide: Dr.K.Subramaniyan	A study of somatosensory evoked potentials in lateral femoral cutaneous nerve of thigh (lfcn) and to estimate its diagnostic efficacy in detecting meralgia paresthetica	CARE	2018-19
2.	Raja Prabu.R Guide: Dr.K.Subramaniyan	A role of h reflex in proximal lesion of lowerlimb.	CARE	2018-19
3.	Vignesh Dr.K.Subramaniyan	A study of eeg changes after a first unprovoked seizures In patients visiting tertiary care hospital.	CARE	2018-19
4.	S. Maha lakshmi Guide: Dr.K.Subramaniyan	An analysis of vestibular evoked myogenic potentials in migranious individuals attending a tertiary care hospital	CARE	2018-19
5.	Shanu.T Guide: Dr.K.Subramaniyan	The study of electroencephalographic changes in patients diagnosed with dementia attending a tertiary care hospital.	CARE	2018-19
6.	Raja Princia.J Guide: Dr.Subramaniyan	The study of visual evoked potentials in diabetic patients without retinopathy attending a tertiary care hospital.	CARE	2018-19
BSc Renal Dialysis Technology (AHS)				
1.	Akashkumar.r	Analysis of incidence of intradialytic hypertension among hemodialysis patients in teritary care centre.	CARE	2018-19
2.	Bakiya lakshmi	Assessment of physical and emotional symptoms in chronic hemodialysis patients	CARE	2018-19
3.	Kiruthika	A study on assessment of pain in esrd patients undergoing hemodialysis patients	CARE	2018-19
4.	Nivetha	Assessment of depression among hemodialysis patients by using modified hamilton rating scale and modified beck depression index	CARE	2018-19
5.	Ramya	Assessment of hemodialysis adequacy using urea reduction ratio[urr] and its relationship with factors influencing adequacy among hemodialysis patients	CARE	2018-19
6.	Suganthi	Assessment of nutritional status in patients with end stage renal dialysis on hemodialysis	CARE	2018-19

COLLEGE OF NURSING

MISSION

- ⚙ Utilize/apply the concepts, theories and principles of nursing science
- ⚙ Function as a competent nurse and midwife at basic level in providing promotive, preventive, curative and rehabilitative services
- ⚙ Make independent decisions in nursing situations, protect the rights of and facilitate individuals and groups in pursuit of health, function in the hospital, community nursing services and conduct research studies in the areas of nursing practice.
- ⚙ Be empathetic and provide ethically congruent care
- ⚙ Be empowered to assume responsibilities as a Nursing profession,
- ⚙ Demonstrate advance competence in practice of nursing
- ⚙ Demonstrate leadership qualities and function effectively as nurse educator and manager.
- ⚙ Demonstrate skill in conducting nursing research, interpreting and utilizing the findings from health related research.
- ⚙ Demonstrate the ability to plan and effect change in nursing practices and in the health care delivery system.
- ⚙ Establish collaborative relationship with members of other disciplines
- ⚙ Demonstrate interest in continued learning for personal and professional advancement.

VARIOUS DEPARTMENTS

- ⚙ Medical - Surgical Nursing
- ⚙ Child Health Nursing
- ⚙ Mental Health Nursing
- ⚙ Obstetrics and Gynecological Nursing
- ⚙ Community Health Nursing

PROGRAMMES OFFERED

For UG programs

B.Sc. Nursing (4 Years including internship)
Post Basic B.Sc., (Nursing) - 2 Years

For PG programs

M.Sc Nursing (2 Years)

Specialties offered

- ⚙ Medical Surgical Nursing
- ⚙ Obstetrics and Gynaecological Nursing
- ⚙ Child Health (Pediatric) Nursing
- ⚙ Mental Health (Psychiatric) Nursing
- ⚙ Community Health Nursing

KEY HIGHLIGHTS

Salient features of the institution

- ⚙ Accredited by NAAC with CGPA of 3.10 on four point scale at A grade
- ⚙ State of art tertiary care hospital
- ⚙ Quality nursing education
- ⚙ Virtual library
- ⚙ Wi-fi enabled, eco-friendly green campus
- ⚙ World class infrastructure
- ⚙ Learned and experienced teachers
- ⚙ Scholarship for merit students
- ⚙ 100% placement assistance ensured before the completion of final year nursing program
- ⚙ Opportunities for Higher Education up to Ph.D in Nursing

ACHEIVEMENTS

- ⚙ Projects Completed by Student - 49
- ⚙ Projects Completed by Faculty - 08
- ⚙ Papers accepted for publication in SCOPUS Indexed journals - 29
- ⚙ 100% placement provided to the final year students of B.Sc (N), Post Basic B.Sc (N), and M.Sc (N) programs, before the completion of their final year nursing program
- ⚙ Partial funding received from Tamil Nadu State Council for Science and Technology towards conducting the 4th National Level Conference on Gender and Aging; An Inter professional Framework for Action on 12-07-19

COLLABORATIONS AND RECOGNITIONS

COLLABORATIONS WITH

1. Government Primary Health Centres at Sadras and Nandhivaram for Community and Midwifery Clinical Postings.
2. Dr G.D Boaz Memorial Hospital School for Mental Health Clinical Experience of IIIrd Year B.Sc (N) and IIInd Year Post B.Sc (N) students.
3. Observational visit to Annai Fathima Old Age Home , Karrapakkam
4. Observational visit to Jeevodaya Hospice Care , Manali
5. Observational visit to Rai Memorial Cancer Centre , Teynampet
6. Observational visit to Dr A. J . Doss Hospital for drug and Alcohol de-addiction, Valsaravakkam
7. Observational visit to Venkateshwara College of Nursing and Sri Venkateshwara Hospital, Thalambur.

8. Observational visit to Hatsun Agro Dairy Farm, Kanchipuram.
9. Observational visit to Communicable Disease Hospital, Tondiarpet
10. Observational visit to Primary Health Centre, Kelambakkam.

RECOGNITIONS / APPRECIATION RECEIVED

1. Dr. G.D Boaz Memorial Hospital School for
 - ⚙ Students activities and involvement in patient care , in particular for organizing therapeutic activities to improve communication which greatly benefited patients and staff.
 - ⚙ Students activities and involvement in patient care, in particular for organizing the psycho-education on the importance of adherence to medication which greatly benefited patients and staff.
 - ⚙ Students activities and involvement in patient care , in particular for organizing Psychosocial individual and group patient activities which greatly benefited patients and staff
2. Faculty outreach at Velammal Vidyashram School, Padur for
 - ⚙ The Health Talk on Hand Hygiene.

EVENTS ORGANIZED

Sl. No.	Programmes	Date
1.	Inauguration of 13 th B.Sc. Nursing, 10 th P.B.B.Sc Nursing and 1 st M.Sc.Nursing course.	01.10.2018
2.	Yoga session on World Obesity Day organized by Department of Community Health Nursing	11.10.2018
3.	Vertical integrated lecture series on Anemia complicating pregnancy and it's effect on neonates by Department of OBG	22.10.2018
4.	Workshop on Research proposal writing by CCN	26.10.2018
5.	Fresher's day organized by B.Sc. Nursing III year	17.12.2018
6.	Workshop on Personality Development by Department of MHN	02 - 04.01.2019
7.	Lamp lighting ceremony by CCN	05.01.2019
8.	National conference on Gender and aging by Department of MSN & CHN	12.07.2019
9.	Moppet model expo on common pediatric conditions organized by B.Sc. Nursing III year	13.03.2019
10.	Faculty development programme on Reliability and validity by CCN	30.04.2019

11.	Midwives week celebration Programmes: Model Display Diet display Oratorical competition Quiz on breast feeding By Dept of OBG	07.05.2019 08.05.2019 09.05.2019 10.05.2019
12.	Vertical integrated lecture series on Know your Numbers (World Hypertension Day) by Dept of CHN and MSN Role play Video Presentation Diet display Quiz CNE	13.05.2019 14.05.2019 15.05.2019 16.05.2019 17.05.2019
13.	Gender issues and short film competition by CCN <ul style="list-style-type: none"> • B.Sc III yr -Singapenne • B.Sc II yr -Mukkaram • B.Sc IV yr-Kasarian 	05.06.2019
14.	Horizontal integrated lecture series on Gestational diabetes mellitus-maternal and fetal outcome by Dept of OBG	28.06.2019
15.	Edu media expo regarding AV aids by B.Sc. Nursing, P.B.B.Sc. Nursing and M.Sc. Nursing II year.	03.07.2019
16.	Farewell programme for B.Sc. (N) IV year Organized by B.Sc. (N) III year	20.07.2019
17.	Thanks giving programme by B.Sc. (N) IV year	24.07.2019
18.	Horizontal Integration on Fluid Requirements for the Paediatric Vulnerable Groups by Dept of CHN	19.07.2019

NEW PROGRAMS

- ⚙ Post graduate Program in Nursing (2 years)

Specialties offered

- ⚙ Medical Surgical Nursing
- ⚙ Obstetrics and Gynaecological Nursing
- ⚙ Child Health (Pediatric) Nursing
- ⚙ Mental Health (Psychiatric) Nursing
- ⚙ Community Health Nursing

CURRICULUM REVISION DONE

S. No	Course	Subject	Placement	Topics added	Extra hours added
1	B.Sc (N)	Community Health Nursing - I	II year	Unit XI <ul style="list-style-type: none"> Climatic change and its impact on health Heat wave and its impact on health 	2
2	B.Sc (N)	Community Health Nursing - II	IV year	Unit IV <ul style="list-style-type: none"> Roles and responsibilities of middle level health care provider 	2
3	PB B.Sc (N)	Community Health Nursing	II year	Unit IX <ul style="list-style-type: none"> Climatic change and its impact on health Heat wave and its impact on health Unit V <ul style="list-style-type: none"> Roles and responsibilities of middle level health care provider 	4

TEACHING PEDAGOGY (TOOLS & TECHNIQUES)

At Chettinad College of Nursing, teaching and learning programme involves both conservative teaching methods and innovative teaching methods. 60 % of curriculum was implemented through conservative teaching and 40% of curriculum was implemented through innovative teaching. The overall outcome of the quality teaching and learning at Chettinad College of nursing is to fulfill the objective planned for the course outcome. We are able to see the level of metric changes among the stakeholders (students, patient and community). As per the feedback obtained from the students with regards to curriculum implementation has been desired. The teaching learning methods implemented caters to the specific needs of the learners. We also make sure that the teaching and learning methods focused on three levels of learning like knowledge, attitude and skill.

CONSERVATIVE METHOD OF TEACHING

CLASS ROOM TEACHING

- ⚙ Lecture
- ⚙ Lecture cum discussion
- ⚙ Demonstration
- ⚙ Small group discussion
- ⚙ Seminar
- ⚙ Presentation
- ⚙ Class room discussion
- ⚙ Quiz
- ⚙ Role play
- ⚙ Focused training program
- ⚙ Moppet model show
- ⚙ Model display
- ⚙ Edu media expo- 2019
- ⚙ Adroid day
- ⚙ Debate
- ⚙ Essay writing
- ⚙ Vertical and horizontal integrated teaching
- ⚙ Learning through simulation
- ⚙ Project based learning

CLINICAL TEACHING

- ⚙ Case studies
- ⚙ Clinical presentations
- ⚙ Nursing rounds
- ⚙ Health education
- ⚙ Bedside clinic
- ⚙ Bedside conference
- ⚙ Workshop
- ⚙ Incidental teaching
- ⚙ Case scenario
- ⚙ Diet exhibition
- ⚙ Video teaching
- ⚙ Quiz
- ⚙ Mime play
- ⚙ Digital poster presentation
- ⚙ Powerpoint presentation
- ⚙ Poster presentation
- ⚙ Role play

GRADUATE NURSE ATTRIBUTES

- ⚙ Survey- surveys are carried out in the rural community by the II & IV year B.Sc Nursing and II year P.B.B.Sc Nursing students. The details of total families, total population, age wise distribution mortality and morbidity status, eligible couple, target couple, health facilities, needs and problems of the community and other community facilities available in the particular community are identified through survey
- ⚙ Demonstration like bag technique, urine analysis, health assessment, wound dressing, administration of injections are practiced by students.
- ⚙ Participation in health center activities like immunization, distribution of medication, dressing, injection and mass health education, school health programme, compilation of vital statistics, collection of samples & performing basic lab tests.
- ⚙ Participation in camps like general health camp, special camps, polio camp.

GRADUATE NURSE ATTRIBUTES

B.Sc. Nursing (4 Years including internship)

- ⚙ Assume responsibilities as professional, competent nurse and midwife at basic level in providing promotive, preventive, curative and rehabilitative services
- ⚙ Make independent decisions in nursing situations, protect the rights of and facilitate individuals and groups in pursuit of health, function in the hospital, community nursing services and conduct research studies in the areas of nursing practice. They are also expected to assume the role of teacher, supervisor, manager in a clinical/public health settings.
- ⚙ Prepare nurses who will be eligible for local and global placement

POST GRADUATE NURSE ATTRIBUTES

- ⚙ Utilize/apply the concepts, theories and principles of nursing science
- ⚙ Demonstrate advance competence in practice of nursing
- ⚙ Practice as a nurse specialist
- ⚙ Demonstrate leadership qualities and function effectively as nurse educator and manager.
- ⚙ Demonstrate skill in conducting nursing research, interpreting and utilizing the findings from health related research.
- ⚙ Demonstrate the ability to plan and effect change in nursing practices and in the health care delivery system.
- ⚙ Establish collaborative relationship with members of other disciplines
- ⚙ Demonstrate interest in continued learning for personal and professional advancement.

PROFESSIONAL ETHICS

The nurse respects the uniqueness of individual in provision of care

- ⚙ Provides care of individuals without consideration of caste, creed, religion, culture, ethnicity, gender, socio-economic and political status, personal attributes, or any other grounds
- ⚙ Individualizes the care considering the beliefs, values and cultural sensitivity
- ⚙ Facilitates participation of significant others in the care of individuals.
- ⚙ Develops and promotes a trustful relationship with individuals.
- ⚙ Recognizes uniqueness of response of individuals to interventions and adapts accordingly

The nurse respects the rights of individuals as partners in the care and facilitates making informed choices

- ⚙ Appreciates individual's right to make decisions about their care and therefore gives adequate and accurate information for enabling them to make informed choices
- ⚙ Respects the decisions made by individuals regarding their care
- ⚙ Protects public from misinformation and misinterpretations
- ⚙ Advocates special provision to protect vulnerable individuals/groups.

The nurse respects individual's rights to privacy, maintains confidentiality, and shares information judiciously

- ⚙ Respects the individual's right to privacy of their personal information
- ⚙ Maintains confidentiality of privileged information except in life threatening situations and uses discretion in sharing information.
- ⚙ Takes informed consent and maintains anonymity when information is required for quality assurance/ academic/legal reasons
- ⚙ Limits the access to all personal records written and computerized to authorized persons only.

Nurse maintains competence in order to render Quality Nursing Care

- ⚙ Nurse strives to maintain quality nursing care and upholds the standards of care
- ⚙ Nurse values continuing education, initiates and utilizes all opportunities for self development.
- ⚙ Nurses values research as a means of development of nursing profession and participates in nursing research adhering to ethical principles.

The nurse is obliged to practice within the framework of ethical, professional and legal boundaries

- ⚙ Adheres to code of ethics and code of professional conduct for nurses in India developed by Indian Nursing Council
- ⚙ Familiarizes with relevant laws and practices in accordance with the law of the state

Nurse is obliged to work harmoniously with members of the health team

- ⚙ Appreciates the team efforts in rendering care
- ⚙ Cooperates, coordinates and collaborates with members of the health team to meet the needs of people

Nurse commits to reciprocate the trust invested in nursing profession by society

- ⚙ Demonstrates personal etiquette in all dealings
- ⚙ Demonstrates professional attributes in all dealings

MENTOR / MENTEE

The Mentor : Mentee ratio is around 1:16. and the mentorship program is scheduled twice a month. and is accommodated in the time table. The mentors maintain a register in which the mentor mentee meeting is documented, apart from the scheduled session, the mentees also get back to their mentors on need basis through mail, whats app and also get in touch when needed. During the academic year 2018-19, nearly 80 sessions of planned mentoring was successfully conducted.

Mentorship program schedule Implemented during 2018 - 2019

Nursing Program	Batch	Schedule
B.Sc (N)	I Year	1 st & 3 rd Thursday of every month
	II Year	1 st & 3 rd Saturday of every month
	III Year	2 nd & 4 th Tuesday of every month
	IV Year	2 nd & 3 rd Monday of every month
P.B.B.Sc (N)	I Year	2 nd & 3 rd Friday of every month
	II Year	2 nd & 4 th Monday of every month
M.Sc (N)	I Year	1 st & 3 rd Monday of every month
	II Year	1 st & 3 rd Saturday of every month

EXAMINATION REFORMS INTRODUCED

Nursing Programme	Subject	College Exam Duration	Total marks	Pass %
B.Sc. Nursing – I year	English	2 hours	50	40%
	Introduction to computers	2 hours	50	50%

FACULTY ACHEIVEMENTS / AWARDS

Faculty Awards (2018-2019)						
Sl. No.	Name of the Faculty	Department Name	Award Name	Award given by	Date	For what
Professional Awards						
1.	Ms.Ponnambilly Chandy	Community Health Nursing	National level conference	Chettinad College of Nursing	12/7/2019	First Prize-Best Scientific Paper Presentation
2.	Prof. Dr. Veena M Joseph	Chettinad College of Nursing	Certificate of Appreciation		2018	Review of Target High fourth premium edition authored by Dr.Muthuvenkatachalam S & Ambali M Venugopal

STUDENTS ACHIEVEMENTS / AWARDS

Students Awards (2018-2019)						
Sl. No.	Name of the Students	Department Name	Award Name	Award given by	Date	For what
Student - Academic Award						
1	Ms. Kavitha.M	B.Sc (N)	Sigapiachi K.Rosaiah Endowment	CARE, Kelambakkam	10/1/2019	Outstanding Academic Performance
2	Ms. Bindusri Bulbul Mohapatra	P.B.B.Sc (N)		CARE, Kelambakkam	10/1/2019	Outstanding Academic Performance
3	Ms. Earnestine Jenita.E	M.Sc (N)		CARE, Kelambakkam	10/1/2019	Outstanding Academic Performance
4	Mr. Naveen Kumar.K	B.Sc (N)	K.Rosaiah Endowment award	CARE, Kelambakkam	10/1/2019	Prize Examination For Community Health Nursing
5	Mr.Asher.T	B.Sc(N) III Yr	Gender Issues	CCN, Kelampakkam	1/8/2019	First Prize:Short Film Competition
6	Mr.Jeeva.N	B.Sc(N) II Yr	Gender Issues	CCN, Kelampakkam	1/8/2019	Second Prize:Short Film Competition
7	Mr.Prince William.F	B.Sc(N) II Yr	World Hypertension Day	CCN, Kelampakkam	15/05/2019	First Prize:Quiz Competition
8	Mr.Lokesh Raj.S	B.Sc(N) II Yr	World Hypertension Day	CCN, Kelampakkam	15/05/2019	First Prize:Quiz Competition
9	Ms.Princy Neleisha.W	B.Sc(N) II Yr	World Hypertension Day	CCN, Kelampakkam	15/05/2019	First Prize:Quiz Competition
10	Ms.Bhuvaneswari.R	B.Sc(N) II Yr	World Hypertension Day	Chettinad CCN, Kelampakkam	15/05/2019	First Prize:Quiz Competition
11	Mr.Harikrishnan.B	B.Sc(N) II Yr	World Hypertension Day	CCN, Kelampakkam	15/05/2019	Second Prize:Quiz Competition
12	Ms.Sweatha.S	B.Sc(N) II Yr	World Hypertension Day	CCN, Kelampakkam	15/05/2019	Second Prize:Quiz Competition

51	Ms.Pavithra R	B.Sc(N) II Yr	World Hypertension Day	CCN, Kelampakkam	15/05/2019	Second Prize:Quiz Competition
52	Mr.Jeeva.N	B.Sc(N) II Yr	World Hypertension Day	CCN, Kelampakkam	15/05/2019	Second Prize:Quiz Competition
53	Ms.Erin Sara Jane.E	B.Sc(N) II Yr	World Hypertension Day	CCN, Kelampakkam	15/05/2019	Third Prize:Quiz Competition
54	Mr.Gopi.J	B.Sc(N) II Yr	World Hypertension Day	CCN, Kelampakkam	15/05/2019	Third Prize:Quiz Competition
55	Ms.Keerthana.K	B.Sc(N) II Yr	World Hypertension Day	CCN, Kelampakkam	15/05/2019	Third Prize:Quiz Competition
56	Mr.Pradeep Raj.A	B.Sc(N) II Yr	World Hypertension Day	CCN, Kelampakkam	15/05/2019	Third Prize:Quiz Competition
57	Mr.Prince William.F	B.Sc(N) II Yr	World Oral Health Day	CHRI, Kelampakkam.	20/03/2019	First Prize:Soap Carving
58	Mr.Ramesh.S	B.Sc(N) II Yr	World Oral Health Day	CHRI, Kelampakkam..	20/03/2019	First Prize:Soap Carving
59	Ms.Kavya.V	B.Sc(N) II Yr	World Oral Health Day	CHRI, Kelampakkam.	20/03/2019	First Prize:Soap Carving
60	Mr.Prince William.F	B.Sc(N) II Yr	World Oral Health Day	CHRI, Kelampakkam.	20/03/2019	Second Prize:Health Talk Video
61	Mr.Lokesh Raj.S	B.Sc(N) II Yr	World Oral Health Day	CHRI, Kelampakkam.	20/03/2019	Second Prize:Health Talk Video
62	Mr.Gopi.J	B.Sc(N) II Yr	World Oral Health Day	CHRI, Kelampakkam.	20/03/2019	Second Prize:Health Talk Video
63	Mr.Deva.P	B.Sc(N) II Yr	World Oral Health Day	CHRI, Kelampakkam.	20/03/2019	Second Prize:Health Talk Video
64	Mr.Prince William.F	B.Sc(N) II Yr	World Oral Health Day	CHRI, Kelampakkam.	20/03/2019	First Prize:Debate
65	Ms.Kavya.V	B.Sc(N) II Yr	World Oral Health Day	CHRI, Kelampakkam.	20/03/2019	First Prize:Debate

66	Ms.Janaki.S	B.Sc(N) II Yr	World Oral Health Day	CARE, Kelambakkam	20/03/2019	First Prize:Debate
67	Ms.Yazhini	B.Sc(N) II Yr	World Oral Health Day	CARE, Kelambakkam	20/03/2019	First Prize:Debate
68	Mr.Jeeva.N	B.Sc(N) II Yr	World Oral Health Day	CARE, Kelambakkam	20/03/2019	Second Prize:Mannequin
69	Mr.Pandian.A	B.Sc(N) II Yr	World Oral Health Day	CARE, Kelambakkam	20/03/2019	Second Prize:Mannequin
70	Ms.Karthiga.E	B.Sc(N) II Yr	World Oral Health Day	CARE, Kelambakkam	20/03/2019	Second Prize:Mannequin
71	Ms.Jasmine.M	B.Sc(N) II Yr	World Oral Health Day	CARE, Kelambakkam	20/03/2019	Second Prize:Mannequin
72	Mr.Johnson.S	B.Sc(N) II Yr	World Oral Health Day	CARE, Kelambakkam	20/03/2019	Second Prize:Mannequin
73	Ms.Priya Dharshini.M	B.Sc(N) II Yr	World Oral Health Day	CARE, Kelambakkam	20/03/2019	Second Prize:Mannequin
74	Ms.Princy Neleisha.W	B.Sc(N) II Yr	World Oral Health Day	CARE, Kelambakkam	20/03/2019	Second Prize:Mannequin
75	Ms.Jasmine.M	B.Sc(N) II Yr	World Oral Health Day	CARE, Kelambakkam	20/03/2019	First Prize:Memes
76	Ms.Ishwarya.R	B.Sc(N) II Yr	World Oral Health Day	CARE, Kelambakkam	20/03/2019	Second Prize:Memes
77	Mr.Pandian.A	B.Sc(N) II Yr	World Oral Health Day	CARE, Kelambakkam	20/03/2019	Third Prize:Memes
78	Mr.Udhayachandran.R	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
79	Mr.Hariharan.S	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition

80	Mr.Dhasarathan.C	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
81	Mr.Asher.T	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
82	Ms.Geetha. M	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
83	Mr.Jegin.P	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
84	Ms.Prithiba.G	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
85	Ms.Sharmi.D	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
86	Ms.Kamali.S	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
87	Ms.Shobana.M	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
88	Mr.Vinoth Kumar. RA	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
89	Ms.Rossy Debnath	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
90	Mr.Yogesh Kumar. S	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
91	Mr.Manova.V.B	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
92	Mr.Krishna Kumar.R	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
93	Mr.Abishek. B	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition

94	Mr.Suriya.P	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
95	Mr.Murugan.S	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
96	Mr.Avinash.U	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
97	Mr.Bharathi.B	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
98	Mr.Anto Benson. B.I	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
99	Mr.Dinesh.P	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
100	Mr.Gowtham Kumar. K	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
101	Mr.Thiruvikram. E	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
102	Mr.Saran.C	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
103	Mr.Nandha Kumar . C	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
104	Mr.Gnanawel.S	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
105	Mr.Praveen.V	B.Sc(N) III Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Second Prize: Short Film Competition
106	Mr.Prince Nesa Kumar	B.Sc(N) I Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Third Prize: Short Film Competition

107	Mr.Karmukilan	B.Sc(N) I Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Third Prize: Short Film Competition
108	Mr.Kishore	B.Sc(N) I Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Third Prize: Short Film Competition
109	Mr.Lourdh Joseph	B.Sc(N) I Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Third Prize: Short Film Competition
110	Mr.Vigesh	B.Sc(N) I Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Third Prize: Short Film Competition
111	Mr.Balaji	B.Sc(N) I Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Third Prize: Short Film Competition
112	Mr.Thamizh Arasan	B.Sc(N) I Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Third Prize: Short Film Competition
113	Mr.Deva.P	B.Sc(N) II Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Third Prize: Short Film Competition
114	Mr.Jeeva.N	B.Sc(N) II Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Third Prize: Short Film Competition
115	Mr.Thamizhvelan.V	B.Sc(N) II Yr	World Bio Ethics Day	CARE, Kelambakkam	4/2/2019	Third Prize: Short Film Competition

RESEARCH, INNOVATION AND EXTENSION

The Culture of Research and Innovation at CARE

With a goal to become a global centre of Excellence in Translational Research, Chettinad Academy of Research and Education (CARE) has focused its research in emerging interdisciplinary areas, with an integrated approach to connect discovery and innovation. The research at CARE is planned and programmed to strongly support multidisciplinary and translational research proposals (basic, clinical, industrial) that combine innovative approaches to address health care challenges of national and global interest.

Sensing the need for quality research in the area of health, CARE has laid greater emphasis on basic and clinical research. The prime goal is to transfer the benefits of biomedical research to health care. Towards its realization, CARE has evolved a productive environment that is promoting innovative interdisciplinary, inter-departmental research and education in Biomedical sciences. The productive environment is nurtured by the abundant support from the institution, able leadership that motivates research and the collegiality of dedicated faculty members.

CARE has a clear coordinating long-term goal for research development. Towards achieving this, CARE strongly believes in the recruitment of well trained and experienced research faculty members. Proper encouragement and coordination are extended to test their innovative ideas. Institutional funding in the form of seed research grant to beginners and mid-level researchers assisted by financially supported research scholars are provided by CARE.

There is a culture of vibrant network of colleagues for frequent and substantive research communication both in and outside of the institution, appreciation of good research contributions with awards and rewards. Establishment of assertive and participative leadership with active participation of members and effective feedback systems.

The Research Advisory Committee with eminent scientists to provide necessary guidance and direction to the research programmes at CARE. An able leadership with the designation of Director-Research to effectively monitor, execute and motivate researchers and their programmes at CARE. Motivated faculty members with enthusiasm to explore, understand, and to advance and contribute to society through innovation, discovery, and creative works.

Establishment of a well equipped state of art Central instrumentation facility for its biomedical research in the innovative emerging interdisciplinary areas. Creation of an informatics laboratory with broad band connectivity and advanced computers such as work stations for drug discovery, modeling of nano systems and drug delivery. Creation of a CPCSEA approved animal house facility for research.

The aforementioned objectives have been realized and a conducive research ambience is made available, complemented by a medical college hospital providing primary, secondary and tertiary care with modern clinical facilities. At present CARE is in a position to apply the cutting edge technologies and informatics in biomedical translational research.

THRUST AREAS

The major and focused areas of research are as listed below:

A. Genomic Medicine and Research: Human genomic and genetic epidemiological approach to study infectious and life style diseases

B. Other major research areas:

With the aim of achieving excellence in emerging areas, research at CARE, is being pursued in the fields of nanomedicine, pathway analysis and related pharmacological interventions. They further branch into the following:

i. Native medicines, Marine Pharmacology & Drug discovery

- Phytopharmaceuticals
- Marine Pharmaceuticals
- Pharmacokinetics
- Preclinical evaluation of drugs

ii. Nanotechnology & Bio-technology in diagnostics, targeted drug delivery & vaccination

- Novel Nanocrystal synthesis
- Nanotechnology for early diagnostics
- Targeted drug delivery
- Nanoformulation in the development of Vaccines

iii. Environment, Pollution & Infection Surveillance

- Hospital infection surveillance
- Development of methods for early diagnosis
- Environmental Pollution monitoring / surveillance
- Epidemiology of Life style diseases
- Drug resistance & waterborne transmission

iv. Systems Biology and pathway analysis in diseases status

- Pathway analysis in diseases status
- Bioinformatics & drug discovery
- Biomarker discovery

v. Innovations & Import substitutions in Diagnostics

- New methods and tools
- Cost effective new generation diagnostics
- Personalized & Predictive Medicine

vi. Stem Cell Biology/Regenerative Medicine

vii. Tele-Medicine

viii. Point of Care Diagnostics

KEY HIGHLIGHTS

Institutional Initiative for promoting Research

Development of a productive environment for Research is the goal of the institution. The sophisticated research facilities created are maintained with annual maintenance contract for uninterrupted research activities. In order to encourage and motivate young faculty members, CARE is providing Seed Grant to them. In the current Academic year, five faculty members were sanctioned Rs. 9.0 lakhs to carry out their research programmes. This will help to conduct some pilot studies which will enable to prepare major research projects for submission to the National funding agencies.

Post graduate students with aptitude for research and post doctoral fellows are encouraged with the award of fellowships to carry out research programmes. Periodical doctoral and institutional meetings are conducted to review their research activities and offered with proper direction for the progress of various research programmes. Faculty members are motivated to submit research proposals to national and international funding agencies.

INNOVATION CELL

The Institutional innovation cell has been established at CARE with required infrastructure and man-power. The cell is aimed at fostering the culture of Innovation amongst all members of the faculty and students. The objectives of the cell are to encourage, inspire and nurture young students for scouting ideas and pre-incubation of ideas by supporting them to work with those ideas and transform them into prototypes. If the ideas need help across the boundary of the Institution, the cell never hesitates to enter into Inter-Institutional and University - Industry collaborations through various MoUs.

RESEARCH FELLOWSHIP

In addition to faculty members, CARE encourages the research activities among Post graduate students and post-doctorate fellows (PDFs) who have enthusiasm and aptitude for research. Towards this, CARE has Instituted 25 CARE fellowships and four PDFs. Each selected scholar is paid with a CARE fellowship of Rs.16,000 /month and Rs.20,000 /month for a PDF. They are supported with a contingency grant of Rs. 50000/year. In the current year, 15 CARE fellowships have been awarded.

The period of fellowship is initially for two years (it may be extended to a maximum of one more year based on the progress of the scholar, assessed by an expert committee). Primarily this fellowship is offered to encourage young researchers to qualify in NET examinations and to switch-over to national fellowships awarded by UGC, CSIR, ICMR etc. This objective has been realized with the award of two Lady-Tata memorial Fellowships, one ICMR- senior research fellowship and one DST-Inspire fellowship.

CHETTINAD HEALTH CITY MEDICAL JOURNAL

Chettinad Academy of Research and Education has launched a Medical Journal "Chettinad Health City Medical Journal (Academic Journal)" both in print and online version. The ISSN No for the printed version is 2277 – 8845 and online version is 2278 – 2044.

The journal is a peer reviewed quarterly medical journal, and carries original articles, review articles, important message from the pages of medical history, medical update, and case reports of clinical interest. The journal is indexed with index copernicus & scholar google.

30 issues have come out till date. This journal has received excellent reviews from peers and members of Medical Community

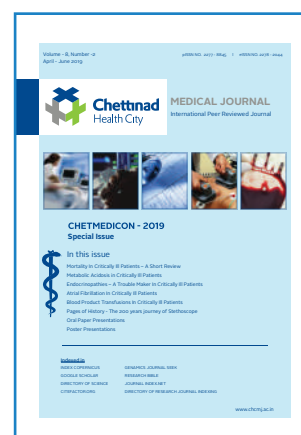


The journal has the following sections:

1. Original articles
2. Review articles
3. Case study
4. Perspective / Opinion articles
5. Interview with eminent Medical / Health Personality

Indexed in Index Copernicus & Scholar Google

6. Interesting ECG
7. Class rooms / Student Tutorial – A topic of interest to the Undergraduate students
8. From the pages of history
9. Medical / Laboratory instrumentation
10. Medical Hypotheses



INDUSTRY AND ACADEMIA COLLABORATION

Collaboration of this nature, brings in exposure to the work culture and research facilities prevailing in other academic centers and industries to our research scholars and PG students. This enables our scholars and students for additional learning about the scope and opportunities for them, developing better communication skill and in establishing inter-personal relationship.

CARE has entered into MoUs with Linkoping University, Sweden and University of Padova, Italy for an exchange programme for students and faculty. Under this, two our research scholars visited the said universities and two from Italy have visited CARE. One of our faculty also visited Italy. Joint ventures and collaboration led to quality publications and product developments in the field of health care.

Our post graduate students visited Biotech Industries in Hyderabad.

STATISTICS

PhD Degree Awarded	06	07	Projects Completed Faculty of Nursing
JRF Enrolled	20	10	Patents Filed
Grants Received	11	14	Patents Published
Publications (Published and Accepted)	127	14	Research Projects applied
Ongoing Research Projects (Extramural funded projects)	11	86	Projects Completed Student of Medicine
Projects Completed Faculty of Medicine	61	154	Projects Completed Student of AHS
Projects Completed Faculty of AHS	03	50	Projects Completed Student of Nursing

STUDENT TEACHER COLLABORATIVE RESEARCH

CARE has entered into MoUs with Linkoping University, Sweden and University of Padova, Italy for an exchange programme for students and faculty. Under this, two of our research scholars visited the said universities and two from Italy have visited CARE. One of our faculties also visited Italy. Joint ventures and collaboration led to quality publications and product developments in the field of health care.

Department wise Conference Presentations (Int., National, State,

Papers Presented (Faculty)	50	150	Papers Presented (Student)
Resource Person	69	51	No. of Scientific Sessions Chaired

SCIENTIFIC RESEARCH ACHIEVEMENTS

A. New Products / Processes / Methods / Techniques Developed:

PRODUCTS

i) Development of Angiogenic nano composites for tissue repair and regeneration

Vasculature plays an essential role in the survival and functioning of cells. Vasoconstriction and blockade often lead to pathological conditions and at times even become fatal. The present investigation relates to the generation of new blood vessels from the pre-existing ones in the presence of protein-based nanocomposites. The prepared nanocomposites can be used for treating various diseases such as ischemia, atherosclerosis and diabetic wounds.

Patent filed: Ref.No. 201941026201 dated 01-07-2019

ii) Novel Injectable Biocompatible Carriers for Cardiac Tissue Repair and Regeneration

This research relates to the product of a nanomaterial for application in the field of cardiac Regenerative Medicine. The material is composed of azacytidine, chitosan, collagen and gold nanoparticles formulated in an injectable form. The product is stable, biocompatible and biodegradable with the ability to carry drugs and electrical stimulators that can treat myocardial infarction and also promote tissue regeneration.

(Patent filed: Ref.No. 201941026200 dated 01-07-2019)

METHODS AND PROCESSES

i) Development of Nanostructured Magnetic Sericin - Method and process of fabrication and evaluation of its applications

Magnetic nanoparticles have gained lot of interest in distinct applications such as molecular tracking, cell separation, tissue-specific drug delivery and hyperthermia. Sericin is a natural silk protein with no immunogenicity. The current investigation is about its role in subcellular delivery of chemotherapeutic drugs. Towards this objective, a facile method is developed to prepare magnetic sericin nanoparticles (MSN) by covalent conjugation of sericin(S) with IO nanoparticles for biomedical applications.

Patent filed: Ref.No. 201941026203 dated 01-07-2019)

ii) Development of a Method and Process for Producing Functional Connectivity Index from RS-fMRI for Autism Spectrum Disorder (ASD) and Evaluation of its uses

A new method and process for assessing brain functional-network connectivity in Autism Spectrum Disorder (ASD) was developed. The functional data were denoised using a CompCor method. Later, using bivariate correlation and independent component analysis (ICA) were done. Five regions of interest (ROI) (Superior Temporal Gyrus, Posterior Cingulate Gyrus, Parahippocampus, Hippocampus and Thalamus) were selected to perform the connectivity analysis. Finally, the whole brain connectivity for 91 ROIs was carried out for all the subjects. The pathophysiological effects of this disease were seen in the regions such as thalamus and posterior cingulate cortex which showed over-connectivity in subjects with ASD when compared to typically developing control. This method of functional connectivity assessment using rs-fMRI may help in many potential clinical applications. for early detection of ASD and it may serve as an imaging biomarker.

(Patent filed: Ref.No. 201941026202 dated 01-07-2019)

iii) Development of a noninvasive process for screening of coronary artery disease using Fourier Transform Infrared Spectroscopy.

Coronary artery disease (CAD) is accelerated by aging, obesity, type 2 diabetes mellitus (DM) and other metabolic diseases. CAD is usually be diagnosed based on expensive clinical examination, which includes Electrocardiogram, Stress Test, Echocardiogram, Chest X-Ray, Coronary Angiography and Computerized Tomography (CT). The present procedure of detection of CAD with sera samples involves two steps 1) execution of FTIR spectroscopy operated between the range of 4000-500 cm^{-1} . 2) Applying machine learning algorithm to the FTIR spectral data $\sim 1585\text{cm}^{-1}$ and $1620\text{-}1680\text{ cm}^{-1}$ can reveal the more potential regions differentiating CAD patients from healthy controls. Further, the band regions from $1685\text{-}1665\text{cm}^{-1}$ and $1750\text{-}1735\text{ cm}^{-1}$ helps to detect single and triple vessel blockages in patients. On the other hand, the spectrum $700\text{-}1680\text{ cm}^{-1}$ and $1720\text{-}1710\text{cm}^{-1}$ were found to be common between minimal, double and triple vessel coronary artery blockages. This variable region provides the optimal clue for detecting CAD with 80% accuracy. Integrating the FTIR spectrum and machine learning algorithm has been developed as an alternative method for rapid screening of CAD.

(Patent filed: Ref.No. 201941026208 dated 01-07-2019)

iv) Development of a method for the detection of metal induced toxicity based on Fourier Transform Infrared Spectroscopy

Contamination of heavy metals in the environment is a major threat to the human life and ecosystem. Metals like arsenic, cadmium, lead, mercury, silver etc. lead to health problems such as cancer, neurological and cardiovascular diseases. FTIR Spectral data reveal the identity of the type of metal, its toxicity and distinguishes between the controls and affected subjects. FTIR spectral variations contribute change in plasma metabolites. Further, machine learning algorithms showed high accuracy (>80%) in predicting metal toxicity. Overall, the investigations identify the significant variations at $1815\text{-}1785\text{ cm}^{-1}$, $2000\text{-}1650\text{ cm}^{-1}$ and $3700\text{-}3584\text{cm}^{-1}$, $2000\text{-}1900\text{cm}^{-1}$ in FTIR spectrum in all metals induced groups compared to its controls. Our work provides metal toxin associated molecular entities in plasma at various time points. Further, the variable regions may be helpful to screen and classify the individual with metal toxin exposure.

(Patent filed: Ref.No. 201941026204 dated 01-07-2019)

v) Development of Street Maze to assess learning and memory in rodents

The maze experiments are essential to test learning and memory in the field of neurophysiology, neuropharmacology, psychology etc. Available maze has its own limitations which can give compromised and biased results. The present investigation is a simple technique that needs no technical support, user and animal friendly model to test spatial learning, memory and associated learning memory in a same maze. The present maze designed is like a street, with similar size and shaped houses and some visual cues in and around the street. Usually each maze device is confined to a specific memory. But with the present invention we can test both spatial learning and associated learning and memory.

(Patent filed: Ref.No. 201941026211 dated 01-07-2019)

DIAGNOSTIC METHODS

i) Development of Molecular Diagnostic methods to screen subjects who are predisposed to Coronary Artery Disease .

Coronary Artery Disease (CAD) is shown to be causal to 23% of mortality among adult population in India. Genetic, environmental and life style factors contribute to the pathogenesis of CAD. Estrogen receptors are reported to have cardio-protective effects. The ESR1 gene encodes for the protein with different number of domains that functions as a transcriptional factor. The method developed to analyze genetic polymorphism of ESR1 gene helps to assess an individual's predisposition to CAD development. The diagnostic kit comprises a set of allele-specific primers each having a 5'-3' end with two different alleles of SNP in a single reaction.

(Patent filed: Ref.No. 201941026213 dated 01-07-2019)

ii) Development of Molecular Diagnostic methods to screen subjects who are predisposed to Migraine.

Migraine is characterized by recurrent headache. It is an inherited brain disorder leading to sporadic neurogenic inflammation. Tumor necrosis factor-alpha (TNF-alpha) is an important inflammatory cytokine and modulator of immune responses, which also appears to play a role in migraine. In recent years, SNPs have become relevant biomarkers. The present invention provides a method of assessing an individual's predisposition to migraine development and responsiveness to therapy. The method involves the analysis of the Tumor necrosis factor-alpha gene of the individuals. This detects a single nucleotide polymorphism in the nucleotide sequences of TNF-alpha gene in a test sample that can be an early diagnostic biomarker (Patent filed: Ref.No. 201941026210 dated 01-07-2019)

CODE OF ETHICS IN RESEARCH

"Ethics": refer to the norms for conduct that distinguish between acceptable and unacceptable behavior. Learning, understanding and practicing ethics in research are indispensable. The attempts to compromise the tenets of Ethics in Research, really does a disservice and kills the objectives of research. CARE having taken the objectives of Ethics in research in true spirits and practice, has established a well balanced Institutional human and animal ethics committees to monitor and issue directives to sincerely adhere to the norms and guide lines laid down by the competent national authorities. Regular meetings of both the committees are conducted periodically and research programmes are screened and approved.

Details of Research Programmes / Projects Undertaken**A. Ongoing Research Programs undertaken during 2018-19****i) Extramural funded projects**

Name of the Faculty	Title of the Projects	Duration (in months)	Sanctioned Amount (INR in Lakhs)	Funded by
Dr. Surajit Pathak	Screening of some novel marine bio products in maintaining stemness property in mesenchymal stem cells.	2017-2020	2.45	ReGenera Research Group, Milan, Italy
Dr. Agnishwar Girigoswami	Formulation of nanoparticle-based probe for multimodal imaging and therapy	2017-2020	6.00	CSIR
Dr.Surajit Pathak Dr.R.Murugesan	Bilateral Research Grant Higher Education Ministry collaborative research project for the year 2017-2020 for conducting research on Title: TAZ as a marker for mesenchymal stem cells and its role in maintaining of its stemness property.	2017-2020	30	DST (Indo – Italy)
Dr. Antara Banerjee	Role of UC-MSCs and UC-MSC CM in regulation of colon cancer progression: An approach towards elucidating function of paracrine factors and epigenetic regulators	2018-2021	34	DST-ECR`
Dr.Surajit Pathak	Research on Biomarker Discovery on colon cancer	2018-2021	31	DST EMR
Dr. R. Saravanan	Antiviral activity of O-sulfated low molecular weight chitosan from industrial waste of cephalopods against herpes simplex virus.	2017-2020	28	DBT, India
Dr.Gowthamkumar.S	Synergistic effect of nano-formulated kaempferol and combretastain on anti-angiogenesis:in vitro and in ova approach	2019-22	46.26	SERB-DST

ii) Postdoc / PhD Fellowship extramural Grant

Name	Title of the project	Duration	Amount sanctioned (In Lakhs)	Funding Agency
Dr. N. Subhapradha	Novel squid gelatin/ β -chitosan/quercetin composite scaffolds for skin tissue regeneration	2017-2019	19.20	SERB-DST-ECR
Mr. V. Manigandan	Neuroprotective effect of 6-O-low molecular weight beta sulfated chitosan (beta LMWSC) from marine invertebrates against Alzhemiers diseases in Zebrafish Model	2017-2019	07.12	CSIR, SRF
Ms.P.Subitha	Biomimetic drug/growth factor loaded calcium phosphata-chitosan nanocomposites for dental applications	2018-2020	06.60	LTMT- JRF Mumbai
Ms.Geeva	Studies on the Biopolymer-Based Nanoparticles for Delivery of Lithium	2019-2021	8.80	ICMR-SRF

ii) Research Projects Applied

S. No	Name of the Investigator	Title of the project	Date of Submission /duration	Amount Proposed In Lakhs	Funding Agency
1	Dr. A.Ruckmani Arunachalam, Prof & HOD, Pharmacology Co-Investigators: Dr. R.Arun Kumar, Professor, Dr.E.Madhavi, Associate Professor, Dr. Venugopala Rao Konda, Associate Professor, Dept of Pharmacology	National Facility for Drug development for renal diseases	20.09.2018	749.294	National facility
2	Dr.Aparna Muthulakshmi	Clinicomy cological study of superficial fungal infections among fishermen	11.10.2018	45.81	SERB-DST
3	Dr.D.C.Mathangi Prof. Physiology Co-Investigator Dr. R. Sabaratnavel Dean Dr. Ruckmani.A HOD-Pharmacology Dr.AhamedBasha.A Asso.Prof. Physiology Dr. Srinivasan B HOD Psychiatry	Centre for stress Research and Alleviation	14.11.2018	569.99	National facility
4	Dr. Dobson Dominic, Head, Dept of Sports Medicine and PMR Co-investigators: Dr. Sai Kishore, Department of Sports Medicine and PMR	Impact of Yogic Meditation On The Stress Level Caused In Professional Female Badminton Players	27.11.2018	200.25	"SATYAM" M/O Science and Technology
5	Dr. S. Jayanthi, Professor, Dept of Microbiology Co-investigators: Dr. Meenakshi N., Prof and HOD	Rapid point of care test for identification of Mycobacterium tuberculosis and its resistance directly from the sample: a tool to End TB by reducing the turn-around time	29.11.2018	60.9543	"High Risk High Reward" SERB DST

6	Dr. D.C. Mathangi, Professor, Co-investigators: Dr. A. Ahamed Basha, Associate Professor, Dept of Physiology, Dr. J. Vigneshwaran, Associate Professor, Dept of General Medicine	Assessment of structured yoga module in stress reduction and quality of life among information technology (IT) professionals	29.11.2018	19.18	"SATYAM" M/O Science and Technology
7	Dr.Koyeli Girigoswami FAHS	Development of a high throughput nanosensor template for detection of beta amyloid level in Alzheimer disease	30.11.2018	35.80	ICMR
8	Dr. Shiek Fareeth Ahmed	Nano-enabled point of care device to detect risk of myocardial infarction in Type II diabetic patients	30.11.2018	38.00	ICMR
9	Dr. Shoba Narayan Co-PI Dr. M. Chokkalingam	Development and Pre- clinical Trials on Porous Bionanocomposite for Enhancing Blood Flow and Facilitating Cardiomyogenesis	30.11.2018	45.00	ICMR
10	Dr. S. Weslen Vedakumari	Assessing the safety and efficacy of electrospun nanofibers loaded with growth factors for diabetic wound treatment: A pre- clinical study	30.11.2018	29.19	ICMR
11	Dr.Weslen S Vedakumari	Evaluation of wound healing efficacy of graphene oxide sericin based nanohybrids	2019	26	SERB-ECR
12	Dr.Weslen S Vedakumari	Tissue engineered scaffolds as skin substitutes	2019	34	SERB-ECR
13	Dr. Hikku GS	Cr ₂ O ₃ nano-paint: an alternative strategy to reduce liberation of cytotoxic Cr (VI) from high chromium metals	01.04.2019	28.46	SERB: Start- up Research Grant
14	Dr. Hikku GS	Nano fabric stiffener – antimicrobial textile requirements for military applications	01.04.2019	32.88	DRDO: Life Sciences Research Board

ICMR STS 2018-19: Students who have been awarded ICMR STS 2019

Sl.No	Name of the Student	Name of the Guide	Department	Title
1	Mr Karthik Ganesh	Dr Sumathy	Biochemistry	Correlation between uric acid levels and coronary artery diseases
2	Ms.Dhanvarshini	Dr.santhini Gopalakrishnan	Biochemistry	A study to evaluate the correlation between serum fibrinogen levels, Hb A1C & Severity of Diabetic foot
3	Ms. Abinya valli.V	Dr. Vishnuvardan	Community Medicine	Breast self examination and breast cancer awareness among the women in low socio economic area
4	Ms. Arunaakshara	Dr.Nirupa	Microbiology	A comparative study on the bacteriology of raw poultry meat from hybrid and country bred chicken
5	Mr. Mahendar j	Dr.Stephen Sudhakar	Ophthalmology	Glucose and electrolytes concentrations in aqueous humour in diabetic, non diabetic and pre senile cataracts
6	Ms. Divyashree (MBBS)	Dr R Vijayashree	Pathology	Correlation of complete haemogram, iron profile and pH of cord blood of newborn with APGAR score and gravid status of mother-A prospective observational study
7	Ms.Yogamnal	Dr S Balamurugan	Pathology	Manual liquid based cytology using needle rinse material- a cost and resource effective technique to enhance diagnostic accuracy of fine needle aspirates
8	Ms. Sinduja (MBBS)	Dr Rajesh Kanna	Pathology	To determine the association of helicobacter pylori infection with neutrophil/lymphocytes ratio, mean platelet volume in peripheral blood along with volume conductance scatter characteristics of LH780 coulter hemoanalyzer
9	Ms. Sneha (MBBS)	Dr K Aarthi	Pathology	Study of clinical, endoscopic and histomorphological patterns in ulcer and non ulcer dyspepsia
10	Ms. Vennila (MBBS)	Dr Chidambharam	Pathology	Exploring the role of natural inks in surgical pathology; analysis of leaching of colour with natural inks and comparison of natural, acrylic inks with standard inks
11	Ms. Shruthi S	Dr.Revathi	Pediatrics	A comparative study on probiotics in children with acute gastroenteritis
12	Ms. Dikshita Das	Dr Ahamed Basha	Physiology	Relationship of WBC count and novel anthropometric indices in hypertensive patients in a tertiary care centre
13	Mr.R.Manojh kumaar	Dr.Kailash	Psychiatry	A study of self and public stigma for seeking psychological help in suicide attempt survivors in a tertiary care hospital
14	Ms. Devisri	Dr.Shabeeba kailash	Psychiatry	Study of relationship between gender disappointment and mother-infant bonding

Students who have successfully completed the ICMR STS 2018

Sl. No	Name of the Student	Name of the Guide	Department	Title
1	Arul Samuel Jose	Dr Aravind M	Community Medicine	Perception , Attitude And Practice Towards Medical Research Among Medical School Students Of Chennai
2	Shraddha Gupta	Dr Ravivarman G	Community Medicine	Cross Sectional Study On Knowledge About Menstrual Hygiene Practices And Age Of Menarche Among Adolescent School Girls In Rural Setting
3	M Raveena Vasakam	Dr Priyadharshini Shanmugam	Microbiology	A Study On The Bacterial Etiology Of Skin Infections And The Prevalence Of Other Skin Diseases Occurring In Commercial Fisherman
4	H Jayashree	Dr V Preethi	Microbiology	Screening For Group B Streptococci Among Pregnant Women
5	Sruthi Rajeev	Dr Chidambaram C	Pathology	Demystifying The Mysteries Of Megaloblastic Anemia: Volume Conductance Scatter Of Hyper Segmented Neutrophils And Elucidating The Pathogenesis Of Hemolysis In Megaloblastic Anemia
6	S K Malni	Dr Bhuvaneshwari Thyagarajan	Pathology	The Usefulness Of Cell Population Data Of Leucocytes In Accurately Predicting The Etiology Of Acute Febrile Illness
7	Sarmita Pal	Dr R Vijayshree	Pathology	Effect Of Gastroesophageal Reflux Disease (GERD) On Pulmonary Function Test And Hematological Parameters (RBC, MCV And RDW) Case Control Study
8	Megana Sunder	Dr Balakumaran	Pediatrics	Comparative Analysis Of Simplified Screening Processes To Detect Prevalence Of Dyslexia
9	Aparna Abhirami Rathnam	Dr T Kathir Subramanian	Pediatrics	The Effect Of Long Term Anticonvulsant Therapy On Thyroid Profile In Children
10	Aparimita Das	Dr A Ruckmani	Pharmacology	Assessment Of Anti Cancer Activity Of Aqueous, Methanolic And Ethanolic Extracts Of Stem Of Asparagus Racemosus Against Lung Cancer : An In Vitro Study
11	Subitsha K	Dr Remya KJ	Physiology	Impact Of Demographic And Lifestyle Factors On Leukocyte Distribution A Cross Sectional Study
12	Devarapalli Sai Saranya	Dr C Anitha	Physiology	A Study Of Prevalence Of Hypertension In Young Medical Student

13	R Gurupriya	Dr D C Mathangi	Physiology	Impact Of Super Brain Yoga On Heart Rate Variability Among Under Graduate Medical Students
14	S Yogapreethi	Dr S Latha	Physiology	Prevalence Of Refractive Errors In Newly Diagnosed Diabetes Mellitus
15	G Kumaran	Dr Aruna Shanmuganathan	Respiratory Medicine	To Study The Prevalence Of Coexistent Allergie Rhusistine In School Children With Bronchial Asthma And Its Association With Asthma Control
16	G N Amritha	Dr N Meenakshi	Respiratory Medicine	A Comparative Profile Of Oropharyngeal Colonisation Of S Pheumonide H Influenza Among HCW In A Tertiary Care Hospital And Non Health Care Individuals
17	Lakshmi Priya	Dr Arunkumar	Pharmacology	Assessment Of Reproductively Toxicity Of Concoction Of Andrographis Paniculata In Male Wistar Albino Rats
18	V Anu Varshni	Dr P Sujitha	Pediatrics	Post Natal Foot Length Assessment To Determine Gestational Age And Low Birth Weight

Award of CARE Seed Grant for Faculty Research

SI No	Name	Department	Amount sanctioned (In Lakhs)	Title of the Project
1	Dr.S.Pandian	FAHS	3.0	Towards rational design of polymer-based nanoparticle for drug -delivery
2	Dr.A.Moorthi	FAHS	1.5	Development of nanocomposite of chitosan, silibinin and hedenbergite ceramic for dental and orthopaedic applications
3	Dr.K.J.Remya	Physiology	1.5	Assessment of specific renal biomarkers in patients with coronary artery disease and obstructive sleep apnea : a case control study
4	Dr.M. Femala	Pathology	1.5	Serial estimation of the levels coagulation factors in different plasma preparations
5	Dr.A.Aarthi	Pathology	1.34	Expression of anti-apoptotic markers in different molecular subtypes of invasive ductal carcinoma with clinical pathological correlation

Patents Filed/Published

SI No	Inventors	Title	Filing Date and Reference No	Publication Date
1.	WeslenVedakumari S Jayalakshmi R Murugesan R	Fabrication and use of novel nanoscaffolds	03/01/2018 201841000243	05/07/2019
2.	Ramakrishnan V Bhavani	Method and testing the use of ESR1 gene polymorphisms in infertility	03/01/2018 201841000248	05/07/2019
3.	Antara B Ganesan J Pathak S Sushmitha S Murugesan R	Methods, effects and application of inhibition of Wnt β catenin signaling pathway in mesenchymal stem cells	03/01/2018 201841000240	05/07/2019
4.	Surajit P Sushmitha S Antara B Ganesan J Murugesan R Marotta F	Method and process of conditioned medium derived from mesenchymal stem cells	03/01/2018 201841000251	05/07/2019
5.	Shoba N RathiUsha K Geeva	Design Development and Use of pH - Sensitive multifunctional gold nanorods	03/01/2018 201841000245	05/07/2019
6.	Ramakrishnan.V PallaviKesavan Aiswarya P.S 4. Umamaheshwari.V	Genetic Polymorphisms Associated withMigraine (Headache), Methods of detection and uses thereof	01/07/2019 201941026210	12/07/2019
7.	SathyarajWeslenVedakumari RaveendraRubiya KeerthivasanlyswariyaShalini Thomas VenkatesanDivya RamachandraMurugasen	Angiogenic nanocomposites for tissue repair and regeneration	01/07/2019 201941026201	12/07/2019
8.	SathyarajWeslenVedakumari Shalini Thomas Keerthivasanlyswariya RaveendranRubiya BhoopathyJayavardhini RamachandranMurugasen	Nanostructured MagenticSericin - Method and process of fabrication of and uses thereof	01/07/2019 201941026203	12/07/2019

9.	SaravananRamachandran Jeneesha George Gomathy V Jananipriya V ManigandanVenkatesan RamachandranMurugasen	Extraction and formulation of agar from brown seaweed & use of their anticancer properties	01/07/2019 201941026209	12/07/2019
10.	KarunanithiRajamanickam Sharon Jebamalar.Joy Sebastian Prakash J RamachandranMurugasen	Method And Process For Producing Functional Connectivity Index From RS-FMRI For Autism Spectrum Disorder (ASD) And Uses Thereof	0107/2019 201941026202	12/07/2019
11.	SSJ ShiekFareeth Ahmed Murugesan.R, Gnanakkumaar AthiraAnirudhan Muumina M Monisha Ganesh K M	Method and non-invasive process for screening of coronary artery disease using Fourier Transform Infrared Spectroscopy.	01/07/2019 201941026208	12/07/2019
12.	SSJ ShiekFareeth Ahmed Murugesan.R, GnanakkumaarAthiraAnirudhan Meenalochini M RukshanaParveen T Sruthi B Prema B.K Vidhya P	Method and process for the detection of metal induced toxicity based on Fourier Transform infrared spectroscopy	01/07/2019 201941026204	12/07/2019
13.	Shoba Narayan Nikitha Shalom Richard Sangamithra Nehru SoniyaPushparaj SubithaPalaniraj Geeva Chokkalingam Meyyappan RamachandranMurugesan	Novel Injectable Biocompatible Carriers for Cardiac Tissue Repair and Regeneration	01/07/2019 201941026200	12/07/2019
14.	Jyothi Ashok Kumar ThotakuraBalaji C.SwathiPriyadarshini RamachandranMurugesan	Street Maze to assess learning and memory in rodents	01/07/2019 201941026211	12/07/2019
15.	Ramakrishnan V Hafsa .S Santhosh .V Srivarshini .S	ESR1 PvuII and XbaI polymorphism Associated with Coronary Artery Disease, Methods of detection and uses thereof	01/07/2019 201941026213	02/08/2019

Faculty of Medicine (Publications)

S.No	Authors/Title of The Paper/Journal
1.	Muthusamyakshayanarayanan, Hannahsugirthabairajilarajendran, Gnanasundaramvaithianathan, Govindarajusoundararajan, Sundaramurthiindumathi. A Metric Scrutiny Of The Orbital Margins. Int J Anat Res 2018;6(2.1):5065-5071
2.	Subramanian, M., Thotakura, B., Chandra Sekaran, S.P., Jyothi, A.K., Sundaramurthi, I., 2018. Naringin (4',5,7-Trihydroxyflavanone 7-Rhamnoglucoside) Attenuates Beta-Cell Dysfunction In Diabetic Rats Through Upregulation Of Pdx-1. Cells Tissues Organs 206(3), 133-143.
3.	Subramanian, M., Thotakura, B., Chandra Sekaran, S.P., Jyothi, A.K., Sundaramurthi, I., 2019. Naringin Ameliorates Streptozotocin-Induced Diabetes Through Forkhead Box M1-Mediated Beta Cell Proliferation. Cells Tissues Organs, 1-12.
4.	Yuvaraj M. F, Balaji T, Rajila R. H. S, Vaithianathan G, Aruna S, Balaji K. Study On Variations In The Origin And Branching Pattern Of Internal Iliac Artery In Cadavers. Biomed Pharmacol J 2018;11(4)
5.	T.K Balaji Hptlc Finger Print Profile Of Gossypium Herbaceum Linn. International Journal Of Universal Pharmacy And Biosciences. 2019 8(2):34-43.
6.	Victor A, Rajilarajendran H. Radial Artery - Caliber And Course Cardiologist's Perspective. International Journal Of Research And Review. 2019; 6(2):246-250
7.	Mariappansenthappanarathi, Ganesandurgadevi, Dorairajsreelekha, Rajasundaramarchana, Mariappansenthappananandi, Manickamsubramanian. Comparative Analysis Of Cranial Capacity With Body Mass Index And Academic Performance Of First Year Medical Students. Journal Of Clinical & Diagnostic Research. 2018 Oct 1;12(10).
8.	Sunitha. R, Prathap Kumar J. A Study Of Palmaris Longus Muscle: Its Anatomic Variations With Embryological Significance And Clinical Importance. Int J Anat Res 2018;6(2.2):5222-5227.
9.	Pitchaiansarkhalifullah, N Ananthi, A Study Of Sr. Fructosamine Level, Fpg And Hba1c Level In The Hypothyroid Patients At Tertiary Health Care Centre. Medpulse International Journal Of Biochemistry; 2019; 9(2): 31-34
10.	Pitchaiansarkhalifullah, N Ananthi, A Study Of Fasting Insulin Level Among Obese And Non-Obese Patients At Tertiary Health Care Centre. Medpulse International Journal Of Biochemistry; 2019; 9(1): 28-30.
11.	Shahnazkhatun, Santhinigopalakrishnan. S, Dr E Malligai, Vinodkumarhr. Evaluation Of Serum Zinc, Copper Level And Their Correlation With Cu/Zn Ratio And Ft3/Ft4 Ratio In Hypothyroidism. Journal Of Clinical And Diagnostic Research :2019 Jul, Vol-13(7)
12.	Vinothgnanachellaiyan, Fasnaliaquath Ali, Jasmine Maruthappapandia. Association Between Sedentary Behaviour And Depression, Stress And Anxiety Among Medical School Students In Chennai, India. Journal Of Clinical And Diagnostic Research, 2018 Nov. Vol 12(11): Lco6-Lco9
13.	Muthukumar T, Singh Z, Vishnu Prasad R, Samuel Ak, Raja Tk. An Epidemiological Study Of Road Traffic Accidents Among Patients Admitted In A Tertiary Care Hospital In Puducherry. Int J Community Med Public Health 2018;5:3362-7.
14.	Krishna Murthy C, M S Srinivasan, Priyadarshinishanmugamsocio Demographics, Clinical Profile, Risk Factors And Comorbidities Of Patients With Psoriasis Attending A Tertiary Care Hospital. Indian Journal Of Applied Research. Volume-8 Issue-12 December-2018.

15.	M. Manimegalai, P. Elangovan, V.A. Kayalvizhi, D. Mithrarangapriyaretrospective Analysis Of Burden Of Maternal Syphilis And The Outcome In The Fetus In A Tertiary Care Centreintjresdermatol20181819
16.	R.Kandaswamy Study Of Allergy Pattern In Chronic Idiopathic Urticaria,Global Journal For Research Analysis, June 2018, Volume 7, Issue 6
17.	Abarnamuthulakshmi A Bacteriological Study Of Primary Pyodermas In Children In A Tertiary Care Hospital,Global Journal For Research Analysis, May 2018,Volume 7, Issue 5
18.	Abarnamuthulakshmi A Study Of Bacterial Infections (Primary Pyodermas) In Children,Global Journal For Research Analysis , July 2018,Vol 7, Issue 5
19.	Venkatakasyapi V ¹ , Thirunavukarasupalanisamy ² , Priya Kanagamuthu ^{3*} , Rajasekaran S ⁴ ,Paventhana K ⁵ , Prabakaran S ⁵ , Namasivayanavin Rb ⁶ , Balaji D ⁷ , Ramyashree A Cross Sectional Study Of Neutrophil To Lymphocyte Ratio In Patients With Benign Paroxysmal Positional Vertigo(Med Pulse International Journal Of Ent, March 2019,9(3):97-100)
20.	S. K. Nawaz Ahmed, M. Sreenivasan.Study Of Cephalic Index Among The Tamil Population. Medico-Legal Update. Date Of Acceptance 09.02.2019
21.	M. Sreenivasan, S. K. Nawaz Ahmed.Estimation Of Stature From Ulnar Length In Living Adult Females Of Tamil Population. Indian Journal Of Forensic Medicine & Toxicology. Date Of Acceptance: 04.04.2019
22.	M. Sreenivasan, S. K. Nawaz Ahmed. A Model For Stature Prediction From Percutaneous Ulnar Length In Adult Males Of Tamil Population. Journal Name: Medico-Legal Update. Date Of Acceptance: 23.04.2019
23.	M. Sreenivasan, S. K. Nawaz Ahmed. Osteometric Gender Determination From Head Diameters In Adult Femur. Journal Name: Indian Journal Of Forensic Medicine & Toxicology. Date Of Acceptance: 01.05.2019
24.	S. K. Nawaz Ahmed, M. Sreenivasan. Study Of Cephalic Index Among The Tamil Population. Journal Name: Medico-Legal Update. Date Of Acceptance 09.02.2019
25.	Lenifapriyadarshini M. J.*, Kishore Babu E. P., Imran Thariq A. Effect Of Low Level Laser Therapy On Diabetic Foot Ulcers: A Randomized Control Trial International Surgery Journal March 2018 Vol 5 Issue 3 Page 1008
26.	Dr. K. Arulkumaran Dr. P. Harishwaran* *Corresponding Author Dr. . Aravind A Study On Topical Use Of Phenytoin Sodium In Grade I And Grade II Diabetic Foot Ulcers International Journal Of Scientific Research, Volume-8 Issue-4 April-2019 Print Issn No 2277 - 8179
27.	Yogeshgargs.Babu Kumar* Alexander Paul Sandeep Jindal Correlation Of Severity Of Chronic Liver Disease And Pulmonary Dysfunction – A Bed Side Assesment International Journal Of Scientific Research , Volume-7 Issue-2 February-2018 Issn No 2277 - 8179
28.	Sandeep Jindal, Babu Kumar Shanmugam*, M. Chokkalingam, T. Pugazhendhi Two Dimensional Speckle Tracking Echocardiographic Abnormalities In Chronic Liver Disease & Its Correlation Using Model For End Stage Liver Disease (Meld) Scoreinternational Journal Of Scientific Research , Volume-8 Issue-3 March-2019 Issn No 2277 - 8179
29.	Guruboo Balaji ¹ , Noorulameen ,Rajasekaran. Case Report Of Neuromyelitisoptica Spectrum Disorders.Jmscr. Nov 2018 Vol 06:11(37-39).

30.	Noorulameen S, Juhi R, Rajasekaran D. Gout Masquerading Rheumatoid Arthritis. Medpulseinternationaljournal Of Medicine. August 2018; 7(2): 39-41.
31.	Mathavan B, Ameen N, Durai R. An Interesting Case Of Acute Intermittent Porphyrin Precipitated During Premenstrual Phase. J Hematolthrombo Dis. 2018;6(290):2.
32.	Dr Krishna Teja Kandula ¹ , Drnoorul Ameen ² , Dr Rajasekarandurai .A Case Of Mixed Connective Tissue Disease Presenting With Recurrent Infections Jmscr Vol 06 Issue 08 Page 595-598 August 2018
33.	Pandiyan N, Puvithra T. Motherhood In The Twenty First Century. Older Mothers – How Old Is Too Old? Chettinad Health City Medical Journal 2018; 7(1): 02 – 03.
34.	Pandiyan N, Puvithra T, Radha P. Philosophy For The Physician. Chettinad Health City Medical Journal 2018; 7(1): 19.
35.	Pandiyan N, Puvithra T. Motherhood In The Twenty First Century. Older Mothers – How Old Is Too Old? Chettinad Health City Medical Journal 2018; 7(1): 02 – 03.
36.	Pandiyan N, Puvithra T, Radha P. Philosophy For The Physician. Chettinad Health City Medical Journal 2018; 7(1): 19
37.	Uma Maheshwari A, Dhanashri D, Ranjani S, Radha P, Pandiyan N. 2018. Myths Of Sperm Morphology- Inter Observer Variance In Human Sperm Morphology Assessment. Chettinad Health City Medical Journal, 7(1): 06-10.
38.	Jaisonjayakaran, Nirupa S, Priyadarshinishanmugam. Phenotypic And Genotypic Characterization Of Multidrug Resistant Isolates From Patients With Catheter Associated Urinary Tract Infections (CUTI) In A Tertiary Care Hospital. Laboratory Physicians. (Accepted)
39.	Rohitvishwanath Rv, Alice Peace Selvbai, Priyadarshinishanmugam. Detection Of Bacterial Pathogens In The Hands Of Rural School Children Across Different Age Groups And Emphasizing The Importance Of Hand Wash. Journal Of Preventive Medicine And Hygiene (Accepted)
40.	Shifameharaj Sh, Vigneshwaran jeyasekaran, Priyadarshinishanmugam, Sabaratnavelramasundaram. Non Responders To Hepatitis B Vaccine Among Chronic Kidney Disease Patients On Hemodialysis In A Tertiary Care Hospital International Journal Of Scientific Research. May 2019, Volume 8, Issue 5.
41.	Saranyaarumugam, Vigneshwaran jeyasekaran, Jayanthiivasubramaniam, Priyadarshinishanmugam. Evaluation Of The Diagnostic Utility Of Second Generation Anti-Cyclic Citrullinated Antibodies And Rheumatoid Factor IgM isotype In Clinically Suspected Rheumatoid Arthritis Patients. Journal Of Clinical And Diagnostic Research. 2019 Jun, Vol-13(6): Dco5-Dco8
42.	Alice Peace Selvbai, Shameembanu Abdul Sattar, Perumaljayaraman, Priyadarshinishanmugam. Detection And Characterisation Of Heteroresistant vancomycin Intermediate Staphylococcus Aureus (Hvisa) Using Phenotypic And Genotypic Methods. Journal Of Clinical And Diagnostic Research. 2019 May, Vol-13(5): Dco1-Dco5
43.	Elayarani A, Vasanthi R Priyadarshinishanmugam. Phenotypic And Genotypic Characterization Of Erythromycin Resistant Group A Beta Hemolytic Streptococci From Acute Tonsillo Pharyngitis In A Tertiary Care Hospital. International Journal Of Scientific Research. Volume-8 Issue-3 March-2019 Issn No 2277 - 8179 If : 4.758 Ic Value : 93.98

44.	Abishajayasingh, Vasanthiompicherla, Rajesh Kannanandagopalradha, Priyadarshinishanmugam. Comparative Study Of Peripheral Blood Smear, Rapid Antigen Detection, Elisa And Pcr Methods For Diagnosis Of Malaria In A Tertiary Care Centre. Journal Of Clinical And Diagnostic Research. 2019 Jan, Vol-13(1)
45.	Krishna Murthy C, M S Srinivasan, Priyadarshinishanmugam. Socio Demographics, Clinical Profile, Risk Factors And Comorbidities Of Patients With Psoriasis Attending A Tertiary Care Hospital . Indian Journal Of Applied Research . Volume : Viii, Issue: Xii, December -2018
46.	Ravindar A, Shanmugam P. Co-Infection Of Dengue And Leptospirosis In Patients Presenting To A Tertiary Care Hospital With Acute Febrile Illness: A Cross-Sectional Study. Journal Of Clinical & Diagnostic Research. 2018 Jun 1;12(6).
47.	Ravindar A, Shanmugam P. Burkholderiapseudomallei: Rare Pathogen Causing Urosepsis In A Diabetic Patient-A Case Report. Indian Journal Of Case Reports. 2018 20;4(2):147-9.
48.	Elayarani A, Vasanthi R Priyadarshinishanmugam. Phenotypic And Genotypic Characterization Of Erythromycin Resistant Group A Beta Hemolytic Streptococci From Acute Tonsillo Pharyngitis In A Tertiary Care Hospital. International Journal Of Scientific Research. Volume-8 Issue-3 March-2019 Issn No 2277 – 8179
49.	Jayanthisivasubramaniyan, Jeya M. Occurrence Of Bla Genes Encoding Carbapenem Resistant Pseudomonas Aeruginosa And Acinetobacterbaumaniifreomintensive Care Unit In A Tertiary Care Hospital. Journal Of Lab Physicians 2018;10:208-13
50.	Prabinap,Jayanthi S, Shameembanu As, Sakunthala Sr. Immunoassay Test For Evaluation Of Seroprevalence Of Hbv And Hcv Infectionamong Patients Attending A Tertiary Care Hospital. International Journal Of Current Microbiology And Applied Science 2018;7(03):169-175
51.	Giridhar, S., Kumar, J., Attri, S.V. Et Al. Ind J Clinbiochem (2019). Intramuscular Followed By Oral Vitamin A Supplementation In Neonates With Birth Weight From 750 To 1250 G: A Randomized Controlled Trial
52.	Giridharsethuraman,Sasibhushangottimukkala Surfactant Therapy- Evolution And Newer Trends Indian Journal Of Practical Pediatrics 2018;20(4) : 239
53.	M.Devaprasad Ligand-Based Pharmacophore Modeling Studies Of Tnfalpha- Converting Enzyme Inhibitors Indian Journal Of Applied Research Volume-9 Issue-2 February-2019
54.	M.Devaprasad Virtual Screening Of Phytochemicals With Anti- Alzheimer Glycogen Synthase Kinase – 3 Beta Activity International Journal Of Scientific Research -Volume-8 Issue-2 February-2019
55.	Britto J., Jennifer; R., Sailatha; Nalini, Amrita Priscilla. Role Of Amniotic Fluid Index On Maternal And Neonatal Outcomes Among Obstetric Women With Preterm Premature Rupture Of Membranes. International Journal Of Reproduction, Contraception, Obstetrics And Gynecology, [S.L.], V. 7, N. 10, P. 4171-4176, Sep. 2018. Issn 2320-1789
56.	Prabha Swaminathan1*, Kavitha Karthikeyan2, Amrita Precilla Nalini The Effect Of Prophylactic Betamethasone For Fetal Lung Maturity On Glycemic Status Of Diabetic And Non-Diabetic Pregnant Women 3 Medpulse Vol9 Issue 3 Mar 2019
57.	Shankar P Maternofetal Outcomes In Early Versus Late Onset Pre-Eclampsia: A Comparative Study International Journal Of Reproduction, Contraception, Obstetrics And Gynecology Et Al. Int J Reprodcontraceptobstet Gynecol. 2019 Feb;8(2):548-551

58.	Subramaniam Nd, Jenifer A, Devi UI, Suresh P. Etiology, Outcomes And Comorbidities Among Cerebral Palsy Children Attending Tertiary Care Hospital, India: A Prospective Study. Int J Contemppediatr 2019;6:1023-6.
59.	Shivaganeshch, Madhavi E, Konda Vr, Ruckmani A, Durga K. Assessment Of Renal Parameters In Patients On Proton Pump Inhibitors And Risk Of Chronic Kidney Disease. J Clindiagn Res. 2018;12(10): Fco9.
60.	Prasunapriyanayak, Shivbhushan Sharma, Nvs Chowdary,(2019). Alpha Tocopherol Supplementation Restricts Aluminium And Ethanol Induced Oxidative Damage In Rat Brain But Fails To Protect Against Neurobehavioral Damage. Journal Of Dietary Supplements. 16:3, 257-268.
61.	Preethiganesan, Abubackersulaiman F, Sooryaprakash, E.A Parthasarathy, Rajamani Anand, Ramyakalaiarasan. Role Of Ct And Mri In Spinal Trauma. International Journal Of Contemporary Medicine Surgery And Radiology. 2018;3(2):B11-B14.
62	D.Danis Vijay, S.Jayanthi, N.Meenakshi. Clinical Significance Of Cultural And Non-Cultural Methods In Detection Of Pathogens Causing Respiratory Tract Infections. Indian Journal Of Microbiology. Oct-Dcember 2018.

Faculty of Allied Health Sciences (Publications)

S.no	Authors/Title of the paper/Journal
1.	AgnishwarGirigoswami, Y. Wafic, P. Sharmiladevi, V. Haribabu, K. Girigoswami.2018. Camouflaged Nanosilver with Excitation Wavelength Dependent High Quantum Yield for Targeted Theranostic, Scientific Reports. 8:16459.
2.	T. Karuppudurai and K. Sripathi . 2018. Foraging and roosting ecology of the Lesser Dog-faced Fruit Bat <i>Cynopterusbrachyotis</i> (Mammalia: Chiroptera: Pteropodidae) in southern India. Journal of Threatened Taxa. 10(9): 12163–12172.
3.	Lahari P & RamGopal CN. 2018. Impact of relationships, social interaction anxiety and self esteem on the usage of facebook among young adults. Journal of Psychological Researches, (62)
4.	AyshaParveen P K, Ramgopal CN &Karthikeyan S. 2018. Efficacy of picture exchange communication system (PECS) with parental involvement for facilitating Non-verbal communication in children with autism. Journal of Psychological Researches.(62)
5.	SurajitPathak, Roberto Catanzaro, DharaniVasan, Francesco Marotta, YashnaChabria, GanesanJothimani, Rama ShankerVerma, Anisur, RamachandranMurugesan, RahmanKhuda-Bukhsh, Antara Banerjee. 2018. Benefits of Aged Garlic Extract in Modulating Toxicity Biomarkers against P-dimethylaminoazobenzene and Phenobarbital Induced Liver Damage in <i>Rattusnorvegicus</i> . Drug and Chemical Toxicology. 12: 1-14.
6.	Jasmine Evert, Pathak S, Xiao-Feng Sun, Hong Zhang. 2018. A study on effect of Oxaliplatin in MicroRNA Expression in Human Colon Cancer Journal of Cancer, 9 (11):2046-2053.
7.	Vimala Devi S, Suhanya P, Banerjee Antara, Madhumala, MurugesanRamachandran, Marotta, Francesco, Pathak S. 2018. Health hazards of Nanoparticles: Understanding the toxicity mechanism of NanosizedZnO in Cosmetic products. Drug and Chemical Toxicology. 1-10.
8.	L Kulanthaivel, J Jeyaraman, A Biswas, GK Subbaraj, S Santhoshkumar.2018. Identification of potential inhibitors for Penicillin binding protein (PBP) from <i>Staphylococcus aureus</i> Bioinformation 14 (9), 471-476
9.	Viji D, Aswathi P, Pricilla Charmine P, Akram Husain R.S, NoorulAmeen S, Shiek S.S.J. Ahmed and Ramakrishnan V. Genetic association of ABCC8 rs757110 polymorphism with Type 2 Diabetes Mellitus risk: A case-control study in South India and a meta-analysis, Gene Reports, 2018; 13: 220–228.
10.	V. Thendral, T. Dharshni, M. Ramalakshmi, AgnishwarGirigoswami, K. Girigoswami.2019. Cerium Oxide Nanocluster Based Nanobiosensor for ROS Detection, Biocatalysis and Agricultural Biotechnology, 19:101124
11.	AgnishwarGirigoswami, M. Ramalakshmi, N. Akhtar, SK Metkar, K. Girigoswami, ZnO.2019. Nanoflower Petals Mediated Amyloid Degradation - an <i>in vitro</i> Electrokinetic Potential Approach, Materials Science and Engineering C, 101, 169-178.
12.	P. Sharmiladevi, N. Akhtar, V. Haribabu, K. Girigoswami, S. Chattopadhyay, AgnishwarGirigoswami. 2019. Excitation Wavelength Independent Carbon Decorated Ferrite Nanodots for Multimodal Diagnosis and Stimuli Responsive Therapy, ACS Applied Bio Materials. 2, 1634-1642.
13.	V. Haribabu, P. Sharmiladevi, N. Akhtar, AS. Farook, K. Girigoswami, AgnishwarGirigoswami, Label Free UltrasmallFluoromagnetic Ferrite-clusters for Targeted Cancer Imaging and Drug Delivery, Current Drug Delivery, 2019, 16, 233-241.

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15.	Antara Banerjee, YashnaChabria, NR Rajesh Kanna, JananiGopi, Praveen Rawlo, Xiao-Feng Sun, Surajit Pathak.2019. Role of Tumor specific niche in Colon Cancer Progression and emerging therapies by targeting tumor microenvironment. Advances in Experimental Medicine and Biology., Springer Nature Book Series.1-16
16.	Vennila R, Sundaram RSM, Selvaraj S, Pathak S, Rupert S, Rajagopal S. 2019. Effect of Human Platelet Lysate in Differentiation of Wharton's Jelly derived Mesenchymal Stem <i>Endocrine, metabolic & immune disorders drug targets</i> , doi: 10.2174/1871530319666190226165910
17.	Antara Banerjee, Suhanya Veronica Prasad, Francesco Marotta, GanesanJothimani, SurajitPathak Targeting Wnt Signaling through Small Molecules in Governing Stem Cell Fate and Diseases. <i>Endocrine, Metabolic & Immune Disorders - Drug Targets</i> Bentham Sciences, 2019doi: 10.2174/1871530319666190118103907.
18.	Ganesan J, Sushmitha S, Yashna C, Antara Banerjee, SurajitPathak. A review on theragnostic applications of microRNAs and long non-coding RNAs in colorectal cancer.Current Topics in Medicinal Chemistry, 2019, doi: 10.2174/1568026619666181221165344.
19.	SushmithaSriramulu, MurugesanRamachandran, Saraswathi Subramanian, RathiushaKannan, GanesanJothimani, MadhumalaGopinath, Jose Sollano, Laura Bissi, Antara Banerjee, Francesco Marotta, Pathak S. 2019. A review on role of ATM gene in hereditary transfer of colorectal cancer. <i>Acta Biomed</i> . Vol 89 (4):463-469.
20.	Vimala Devi S, RamachandranMurugesan, Francesco Marotta, Antara Banerjee, Xiao Feng Sun, SurajitPathak, Comparative study on anti-proliferative potentials of zinc oxide and aluminium oxide nanoparticles in colon cancer cells. <i>Acta Biomed</i> 2019; Vol. 89, N. o: 000-000.
21.	Girigoswami K and Akhtar N. 2019. Nanobiosensors and fluorescence based biosensors: An overview. <i>International Journal of Nano Dimension</i> . 10 (1): 1-17.
22.	Sanjay K Metkar and Girigoswami K.2019. Diagnostic Biosensors in Medicine- a Review, <i>Biocatalysis and Agricultural Biotechnology</i> . 17:271-283.
23.	Sindhu Varghese S. Gowtham Kumar. . 2019. Association between genetic variants of NOS ₃ , TGF- β and susceptibility of diabetic nephropathy: A meta-analysis <i>Meta Gene</i> .100573
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30.	Sagayaraj K. Captive Behaviour study of big four Indian snakes (2019). International journal of Scientific Research 8(6)72-74
31.	Arumugam V, Manigandan V, Saravanan N, Saravanan R, Karthi S, Umamaheshwari S &Sathishkumar P. (2019). Tunicates as a biocontrol tool for larvicides acute toxicity of Zika virus vector <i>Aedes aegypti</i> . 3 <i>Biotech</i> , 9: (Online)
32.	WeslenVedakumari, Jayalakshmi, Sanjayan, Jayavardhini, Arya, Murugesan. 2019. Fabrication of microcomposites based on silk sericin and monetite for bone tissue engineering. Polymer Bulletin, (in press)
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34.	ManigandanV, Velusamy A, Rubanya P, Karthik R, Karthi S, Sri RamkumarV, Umamaheshwari S, Saravanan R&Arivalagan P. (2019). Antioxidant, anticoagulant and mosquitocidal properties of water soluble polysaccharides (WSPs) from Indian seaweeds. Proces. Biochem, (In press)
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41.	Subramanian, M., Thotakura, B., Chandra Sekaran, S.P., Jyothi, A.K., Sundaramurthi, I., 2019. Naringin Ameliorates Streptozotocin-Induced Diabetes through Forkhead Box M1-Mediated Beta Cell Proliferation. Cells Tissues Organs, 1-12.
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45.	MariappanSenthappanArathi, GanesanDurgaDevi, DorairajSreelekha, RajasundaramArchana, MariappanSenthappanAnandi, ManickamSubramanian. Comparative Analysis of Cranial Capacity with Body Mass Index and Academic Performance of First Year Medical Students. Journal of Clinical & Diagnostic Research. 2018 Oct 1;12(10).
46.	Sunitha. R, Prathap Kumar J. A Study Of Palmaris Longus Muscle: Its Anatomic Variations With Embryological Significance And Clinical Importance. Int J Anat Res 2018;6(2.2):5222-5227.

Faculty of Nursing (Publications)

S.No	List of Publications
1.	Kogila, Dr.SujathaSridharanDr.Rajalakshmi Knowledge assessment Tool On Complementary Feeding Among Mothers of Infants:Reliability and Validity .International Journal of Research and Analytical Reviews, 2018
2.	Tony Dominic. D, Shobana. V, Pavithra.D, Vanitha.K .A descriptive study to assess the knowledge on early puberty among mothers of girl children at Pooncheri village, Kanchipuram District, Tamilnadu, India.International Journal of Research and Analytical Reviews, 2018
3.	Subbulakshmi.S1 &A.Sharli Praba2 & K.Maheshwariz &G.DivakarRao. The evolution of knowledge on typhoid fever and it's association with the demographic factors among the mothers. International Journal of Research and Analytical Reviews, 2018 VOLUME 5 I ISSUE 4 I OCT. – DEC. 2018
4.	Kogila. P, S. Kalaivani, S. Sivaranjani, A. Jeyasree. Dengue fever among pediatric population: A retrospective study. International Journal of Research and Analytical Reviews, 2018 July - September 2018
5.	Kogila. P, Jeevitha. S, Priyanka. P, Gowrilakshmi. K., Divakar.E. Awareness of mothers on prevention of childhood drowning. International Journal of Research and Analytical Reviews, 2018 July - September 2018
6.	Kogila. P, Vijayakumar. P., Santhiya. J., Preethi. S., Kalaivani R.. Prenatal stress: Newborn admitted in neonatal intensive care unit. International Journal of Research and Analytical Reviews, 2018 July - September 2018
7.	M.Priya, .T,Tamizhini .A.Priyadharshini, Manjula.T.R. Prevalence of depression among elderly people. IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.5, Issue 4, Page No pp.151-154, December 2018,
8.	PonnambilyJobin, Sudha, Sarasu. Lived Experience of the disaster victims of South Indian floods 2015: A concatenated disaster crisis model using phenomeographical framework analysis.Indian Journal of Continuing Education. (2018). 19 (2). 44-53
9.	Kogila P., Dr.SujathaSridharan,Dr.Rajalakshmi. Infant feeding: switching to complementary feeding. International Journal Of Informative & Futuristic Research 2018. 5(6) 9107-9114
10.	PonnambilyJobin. Why have i been touched badly?A 22 years foll-up research study on factors influencing child sex abuse and solutions to stop it. Asian Journal Of Nursing Education And Research 2019 9(1) 9-16
11.	PonnambilyJobin. Test and development of fixed-unfixed cost accounting model (FUCAM) in a hospital setting. International Journal of Advances in Nursing Management. 2019. 7(1).31-34
12.	PonnambilyJobin. Test and development of fixed-unfixed cost accounting model (FUCAM) in a hospital setting. Manipal Journal of Nursing and Health Science 2019. 5(1)5-11
13.	Shanthi M., C. Kanniammal, JaideepMahendra, G. V. Valli. The effectiveness of information, education and communication on knowledge, attitude, practice regarding obesity among adolescents at selected Government Schools in Kancheepuram District.. Indian Journal of Public Health Research & Development. 2019 10(1) 257-262
14.	PonnambilyJobin. Flawed Indian laws which paralyze the lives of women since five decades - A Nurse Researcher's Perceptive. Asian Journal of Nursing Education and Research 2019 9(1) 140-142

15.	S.TharaniyaSowmiya.T, D. Joanie Priya. A descriptive study to assess the knowledge and attitude towards emergency contraception pills among married women with reproductive age group in a selected IT company at Kanchipuram district, Tamilnadu, India. International Journal Of Research And Analytical Reviews. 2019.6 (1)859-861
16.	RebethaS.PreethianushyaDivyaR.Devaki. A descriptive study to assess smart phone addiction among under graduate students in selected college, Kancheepuram district, Tamilnadu. International Journal Of Research And Analytical Reviews 2019.6 (1) 502-507
17.	Vinothini.VShalini.M, M. YagaJeyanthi. A study to assess the knowledge on cervical cancer screening among adult women at selected schools, Kanchipuram district, Tamilnadu. International Journal Of Research And Analytical Reviews 2019.6 (1) 214-217
18.	KawsalyaAravindanPriyankaDeepika. A descriptive study to assess the activities of daily living level of fatigue among patients undergoing hemodialysis at selected hospital . International Journal Of Research And Analytical Reviews 2019.8 (1) 47-52
19.	Thenaruvi.RAcshalRacheal.LSandhiya.B. A study to assess the knowlegde and quality of life among adult asthmatics in selected hospital, Kelambakka, Kancheepuram district, Tamilnadu. Paripex Indian Journal of Research 2019.8 (3) 29-30

Conference / Workshops organized by CARE 2018-19

Details of conferences / workshops/ training programs/sensitization programs conducted by the institution to promote a research culture in the institution.

CONFERENCE

SL NO.	EVENT DATE	NAME OF THE TOPIC
1.	17.08.2019	CHETMEDICON - 17.08.2019
2.	12.07.2019	4th National Conference - Gender & Aging : An Interprofessional Framework for Action - 12.07.2019
3.	05.07.2019	CHET VIROCON - 2019
4.	26.06.2019 to 27.06.2019	National conference on "Alcohol in Health, Disease and Research" (AHDR-2019)-26&27 June 2019
5.	07.02.2019 to 09.02.2019	Evolving Trends In Learning Physiology - 7th to 9th February 2019
6.	4.12.2018 to 15.12.2018	National Conference on Quality Indicators and Benchmarks for Health Science Institutions
7.	01.12.2018	CHETANCON 2018
8.	17.11.2018	CHETPATHCON 2018
9.	05.10.2018 to 07.10.2018	SOUTH NEOCON, CHENNAI, 2018 - 12th Annual South Zone Neonatology Conference & 15th Annual Convention of National Neonatology Forum, Tamilnadu State Chapter
10.	30.09.2018	Chettinad International Fertility Colloquium
11.	18.08.2018	CHETMEDICON 2018

WORKSHOPS

SL NO.	EVENT DATE	NAME OF THE TOPIC
1.	30.07.2019	Workshop on Intravenous Injection
2.	17&18.07.2019	Basic Epidemiology Research
3.	27&28.06.2019	Molecular Techniques in Diagnosis & Research
4.	20.02.2019	One day workshop on "Corporate Counselling"
5.	24.01.2019	One day workshop on "Best practice in Scientific Publishing"

CME

SL NO.	EVENT DATE	NAME OF THE TOPIC
1.	29.07.2019	Current Concepts In Management Of Chronic Otitis Media
2.	27.07.2019	Newer amendments and approach Towards rape cases
3.	26.07.2019	Recent advances In sports medicine
4.	20.07.2019	Basic suturing & knotting techniques & Episiotomy repair
5.	10.07.2019	Life After Menopause
6.	28.06.2019	Recent advances In bone and joint infection
7.	24.06.2019	Lap hernia surgery live demo & Hands on endotrainer training
8.	24.06.2019	Demystifying the Genesis of Variable Susceptibility to Parkinson's disease: Clues from Animal models
9.	21.06.2019	Developmental Pediatrics
10.	10.06.2019	Treatment of Cancer Stomach
11.	29.05.2019	Recent Updates on Bronchial Asthma - 2019
12.	09.05.2019	Challenges in Childhood Asthma
13.	05.04.2019	Hemoglobinopathies - Past, Present & Future
14.	22.03.2019	Approach to Peripheral Vascular Disease
15.	20.03.2019	Endocrine Emergencies Recognition and Treatment
16.	09.03.2019	Is Infertility Preventable?
17.	07.03.2019	Thyrovision
18.	19.02.2019	Approach To Goitre & Overview Of Carcinoma Breast
19.	09.02.2019	Fluid Management
20.	08.02.2019	Making of A Surgeon
21.	30.01.2019	Current Trends In Koch's Disease In Tamilagam Stake Holders Of Its Control And Existency Of The Disease My Roadmap For Youngsters & Yesters For The Surgical Faternity
22.	18.01.2019	Flexor Tendon Injuries

23.	04.01.2019	Renal Disease – A Practical Approach
24.	21.11.2018	Newer management devices in Diabetes
25.	20.11.2018	Management of diabetes in special situation-Sick days / hospitalised and ICU patients
26.	17.11.2018	Interactive session on Diabetes Mellitus
27.	16.11.2018	Management of diabetes in special situation-Hypoglycemic events
28.	15.11.2018	Management of diabetes in Children and adolescents
29.	15.11.2018	Current Strategies in Prevention of Preterm Labour
30.	14.11.2018	Interactive CME on World Diabetes Day
31.	14.11.2018	Women and Diabetes
32.	08.11.2018	Infections in Pregnancy
33.	02.11.2018	Precision Medicine : Does proper diagnosis of Diabetes make a difference in therapy?
34.	24.10.2018	Internal Quality Assurance Cell
35.	24.10.2018	Genitourinary Problems After Menopause
36.	25.09.2018	Emerging Pneumonia Issues & Current dilemma" (EPIC)
37.	31.08.2018	Approach to soft tissue Lesions
38.	24.08.2018	Respiratory Infections - Perspectives in Clinical Microbiology, Infection control and Antimicrobial Guidelines
39.	23.08.2018	Allergy Testing Program
40.	24.08.2018	Thyroid Disorders in Pregnancy
41.	10.08.2018	CME on Epilepsy

Research Seminars

DATE	NAME	TOPIC
22.08.2019	Ms. P. Sharmiladevi	Carbon Nanodots Decorated Ferrite Nanoparticles for Multimodal Imaging and Drug Delivery
	Ms. C.Swathi Priyadarshini	Effect of chlorpyrifos and its metabolites in the skeletal system development of chick embryo
03.05.2019	Ms.P.Kogila	Effect of structured complementary feeding instructions on knowledge of mothers of infants, anthropometric and morbidity status of an infants
	Ms.Subbulakshmi	Effectiveness of video assisted neonatal care instructions on knowledge of perinatal mothers and growth indicators & morbidity status of their neonates
21.02.2019	Ms.K.G.Monisha	Association Of Cardiac Biomarkers With Echocardiographic Indices Of Lv Function In Patients With Or Without Coronary Artery Disease.
	Dr.M.Duraivel	Study to assess multiple genetic polymorphisms influencing the action of selective anticancer drugs
20.09.2018	Ms.P.Prabina	Case control study on association of HLA class II allele variants in patients with Hepatitis B viral infection
	Mr.C.Krishna Murthy	A study on Genetic predisposition and Skin micro biome in Psoriasis patients attending Tertiary care Hospital
09.08.2018	Mrs.Savitha Niren	A study of cardiopulmonary and hematological parameters of trained male sports persons

DETAILS OF RESEARCH SCHOLARS

Details of PhD degree awarded (Date of Convocation - 10.01.2019)

Sl.No	Name of the Scholars	Public Viva Voce	Topic	Department	Guide & Co-guide
1.	Dr.Vasanthi Rompicherla	27.07.2018	Phenotypic and genotypic detection of biofilm producing organisms	Faculty of Medicine Microbiology	Dr.A.S.Shameem Banu
2.	Ms.Alice Peace selvabai	27.07.2018	Characterisation of staphylococcus aureus based on its virulence determinants and antibiotic resistance profile	Faculty of Medicine Microbiology	Dr.A.S.Shameem Banu
3.	Ms.S.Vimala Devi	28.08.2018	Toxicity and risk assessment of metaloxide nanoparticles	FAHS Medical Biotechnology	Dr.Surajit Pathak Dr.R.Murugesan
4.	Ms.Meera M	12.09.2018	Phytochemical and pharmacological screening of bioactive compounds in non-edible portion of artocarpus pterocarpus (Jack fruit)	FAHS Medical Biotechnology	Dr. A.Ruckmani Dr.R.Saravanan
5.	Dr. Priyadarshini Shanmugam	02.11.2018	Isolation and molecular characterisation of leptospira from clinical samples	Faculty of Medicine Microbiology	Dr.A.S.Shameem Banu Dr.G.Sumathi
6.	Dr. Kousalya V. Nathan	28.11.2018	Effect of gradual calorie restriction in diet - induced obese mice model	Faculty of Medicine Nutrition	Dr.E.Malligai Dr.Naveen K.Visweswarai

Full time PhD scholars

S. No	Name of the Scholars	Topic	Department	Guide & Co-guide
1.	Ms.S.Santhi Priya	Association of Glutathione-S-Transferase Polymorphism oxidative stress and lipid profile with Cardiovascular disease in T2DM	FAHS	Dr.Kumar Ebenezar
2.	Ms.Saraswathi.N	Histatin conjugated fluorescent silica coated gold nanoparticles for detection of Candida albicans.	FAHS	Dr.Shoba Narayan
3.	Ms.Sujhithra.A	Significance of biomarkers, Genetic markers and Echocardiography in the early diagnosis of Rheumatic fever and Rheumatic heart disease	Microbiology & Cardiology	Dr. S. Jayanthi & Dr.Chokkalingam
4.	Ms.Meenu Bhatiya	Role of UC-MSCs and UC-MSC CM in regulation of colon cancer progression: An approach towards elucidating function of paracrine factors and epigenetic regulators	FAHS	Dr.Antara Banerjee
5.	Ms.Sarubala	A Mechanistic study on role of micro RNA-122 influencing cell invasion and migration in colon cancer	FAHS	Dr.Surajit Pathak
6.	Mr.N.Vignesh	Antiviral activity of O-sulfated low molecular weight chitosan from industrial waste of cephalopods against herpes simplex virus in vitro	FAHS	Dr.R.Saravanan
7.	Ms.A.Thabitha	Evaluation of diabetic mellitus type II model of wound healing property of formulated gels from brown seaweed in streptozotocin induced male wistar albino rats.	FAHS	Dr.R.Saravanan
8.	Mr.Santhosh	Synergistic effect of nano-formulated kaempferol and combretastatin on anti-angiogenesis: in vitro and in vivo approach	FAHS	Dr.Gowtham kumar

Part time PhD scholars

S. No	Name of the Scholars	Department	Guide & Co-guide
1.	Mr.Khaleel Hussain	Faculty of Medicine Physiology	Dr. Shiv Bhusan Sharma
2.	Dr.Shifa Meharaj	Faculty of Medicine	Dr.S.Jayanthi
3.	Ms.Sangeetha	FAHS	Dr.C.N.Ramgopal
4.	Dr.Preethi.V	Faculty of Medicine Microbiology	Dr.Priyadarshini Shanmugam
5.	Dr.Nirupa.S	Faculty of Medicine Microbiology	Dr.Priyadarshini Shanmugam
6.	Ms.M.Nithya	Faculty of Medicine Microbiology	Dr.Vasanthi. R
7.	Mr.S. Chandrasekaran	Faculty of Medicine Microbiology	Dr.S.Jayanthi
8.	Mrs. C. Suja	Faculty of Medicine Microbiology	Dr.Priyadarshini Shanmugam
9.	Ms.Sulatha Haridas	Faculty of Medicine Biochemistry	Dr.Sumathy.S
10.	Dr. S. Brindha	Faculty of Medicine Physiology	Dr.Sanjay Andrew
11.	Mrs. J. Chanemougavally	Faculty of Medicine Anatomy	Dr.T.K.Balaji

Thesis Submitted

S.No	Name of the Scholars	Topic	Department	Guide & Co-guide
1.	Mr. P.Gnanakkumaar	Identification of diagnostic biomarkers for multiple sclerosis: A systems biological approach	FAHS (Medical Biotechnology)	Dr.SSJ.Shiek Fareeth Ahmed Dr.Kumar Ebenezar
2.	Mr. V. Alexandar	Studies on correlation of eNOS, NO, hsCRP and VCAM levels with cardiovascular risk factors in patients with or without documented CVD.	FAHS (Medical Biotechnology)	Dr. SSJ Sheik Fareeth Ahmed Dr. Murugesan
3.	Mr.V.Manigandan	Role of sulfated polysaccharides from marine invertebrates against neurological disorders.	FAHS (Medical Biotechnology)	Dr.R.Saravanan Dr.D.C.Mathangi
4.	Mr.Joy Sebastian Prakash	A nanoparticle based strategy for tumor imaging	FAHS (Medical Biotechnology)	Dr. R.Karunanithi Dr.R.Murugesan
5.	Mr. R.S. Akram Husain	Prevalence of human papilloma virus (HPV) and its association with selected oncogenes of cervical cancer in south indian population	FAHS (Medical Biotechnology)	Dr.V.Ramakrishnan
6.	Mr.Sanjay Kisan Metkar	Studies on denaturing of amyloid aggregates	FAHS (Medical Biotechnology)	Dr.Koyeli Girigoswami
7.	Mr.Venkat Siddarth	Anticancer activities of indole 3 carbinol on breast cancer cell lines	Faculty of Medicine Biochemistry	Dr.S.Sumathy Dr.A.Ruckmani
8.	Ms.Prabina	A cross sectional study on association of HLA class II allele variants in patients with hepatitis B Viral infection.	Faculty of Medicine Medical Microbiology	Dr.Jayanthi.S
9.	Mr.C.Krishnamurthy	A study on genetic predisposition and skin micro biome in psoriasis patients attending tertiary care hospital	Faculty of Medicine Medical Microbiology	Dr.M.S.Srinivasan
10.	Dr.S.Manickam	Effect of Naringin (4',5,7 - Trihydroxyflavanone 7 - Rhamnoglucoiside) on pancreatic Beta cells transcription factors of streptozotocin induced diabetic rats	Faculty of Medicine Anatomy	Dr.T.K.Balaji

Synopsis Submitted

Sl.No	Name of the Scholars	Topic	Department	Guide & Co-guide
1	Mr.S.Ranjit Kumar	Studies on sepsis - a clinical & laboratory correlates	Faculty of Medicine Medical Microbiology	Dr.D.Rajasekaran Prof.N.Srinivasan
2	Ms.Kurunchi Divya	Studies on development of DNA tools for environmental pollutions and hospital infection surveillance.	FAHS (Biotechnology)	Dr.N.Srinivasan

Student Teacher Collaborative Research

Student Name	Student Institutions	Student collaborating Institutions	Collaborator Indian / Foreign	Project No / MoU	Duration	Report
Ms. Madhumala JRF	Chettinad Academy of Research and Education	Student Exchange program (Linkoping University, Sweden)	Dr.Surajit Pathak Dr.Xiao-Feng Sun	MoU between CARE & Linkoping University, Sweden	2nd August 2018 to 31st January 2019 Sweden	During her stay, she performed analysis for the study related to 'Biomarkers of Colorectal Cancer'
Ms Sandra Schrenk	University of Padova, Italy	Chettinad Academy of Research and Education	Dr.Surajit Pathak Prof. Rosa Di Liddo	INT/Italy/P-5/2016 (ER)	15 November 2018 to 25 November 2018	The visit at the Chettinad Hospital & Research Institute was necessary to stabilized and set-up the basis for a long-term collaboration that has great potential in the field of stem cell research. Interdisciplinary efforts are becoming more critical for scientific discovery and translational research. During our stay we have developed common objectives and discussed the feasibility of previous programmed experiments. Specifically, we had the chance to adapt and troubleshoot experimental protocols and exchange theoretical and practical knowledge.
Ms Carola Cenzi	University of Padova, Italy	Chettinad Academy of Research and Education	Dr.Surajit Pathak Prof. Rosa Di Liddo	INT/Italy/P-5/2016 (ER)	15 November 2018 to 25 November 2018	During our short-term visit at the Chettinad Hospital & Research Institute we had the chance to evaluate the feasibility of programmed experiments and plan upcoming experiments, considering the available instrumentation and facilities in both institutes. Furthermore, we exchanged theoretical and practical knowledge and we discussed common objectives and future perspectives, establishing the basis for a fruitful long-term collaboration. efforts are becoming more critical for scientific discovery and translational research. During our stay we have developed common objectives

Ms Carola Cenzi	University of Padova, Italy	Chettinad Academy of Research and Education	Dr.Surajit Pathak Prof. Rosa Di Liddo	INT/Italy/P-5/2016 (ER)	15 November 2018 to 25 November 2018	During our short-term visit at the Chettinad Hospital & Research Institute we had the chance to evaluate the feasibility of programmed experiments and plan upcoming experiments, considering the available instrumentation and facilities in both institutes. Furthermore, we exchanged theoretical and practical knowledge and we discussed common objectives and future perspectives, establishing the basis for a fruitful long-term collaboration. efforts are becoming more critical for scientific discovery and translational research. During our stay we have developed common objectives and discussed the feasibility of previous programmed experiments. Specifically, we had the chance to adapt and troubleshoot experimental protocols and exchange theoretical and practical knowledge.
Ms. Sushmitha S JRF	Chettinad Academy of Research and Education	University of Padova, Italy	Dr.Surajit Pathak Prof. Rosa Di Liddo	INT/Italy/P-5/2016 (ER)	07th – 18th October, 2018	Role of TAZ protein as a stemness factor in human umbilical cord derived stem cells and its potential role in wound healing in personalized medicinal system

Books/Monographs

S.No	Books/Monographs
1.	SurajitPathak, Suhanya Veronica Prasad, Ram Murugesan, Antara Banerjee, Francesco Marotta Gut Microbiome: the role in neuro development for publication in eBook edited by CaisterAcademic Press.. Book onMicrobiota: CaisterAcademy Press, 2018. Page 69-86. DOI: https://doi.org/10.21775/9781910190937.05 , ISBN: 978-1-910190-96-8
2.	S. Pathak, P. Kesavan, A. Banerjee, A. Banerjee, G.S. Celep, L. Bissi, F. Marotta, Chapter 25 - Metabolism of Dietary Polyphenols by Human Gut Microbiota and Their Health Benefits, in: R.R. Watson, V.R. Preedy, S. Zibadi (Eds.) Polyphenols: Mechanisms of Action in Human Health and Disease (Second Edition), Academic Press2018, pp. 347-359.
3.	SurajitPathak, Suhanya Veronica Prasad, Sushmitha S, Ganesan J, Ram Murugesan, Antara Banerjee, Francesco Marotta chapter titled "An insight into the link between Oral health and Neurological diseases" for publication in eBook edited by Caister Academic Press.. Book on Microbiota: Caister Academy Press, 2018. Page 87-98. DOI: https://doi.org/10.21775/9781910190937.06
4.	K.Girigoswami, Toxicity of Metal Oxide Nanoparticles in Cellular and Molecular Toxicology of Nanoparticles, Advances in Experimental Medicine and Biology, Vol. 1048, pp.99-122, Q. Saquib et al. (eds.), Springer Cham, (2018). doi: (ISBN:978-3-319-72040-1
5.	PallaviKesavan, Antara Banerjee, Anushka Banerjee, RamachandranMurugesan, FransescoMarotta, SurajithPathak , chapter titled "An overview of dietary polyphenols and their therapeutic effects" for publication in eBook edited by Elsevier publishing house (2018) (eds) Ronald Watson Victor Preedy ShermaZibadi, ISBN: 9780128130063 Polyphenols Book, Elsevier 2018 B978-0-12-813006-3.00025-8, 00011

RESEARCH INFRASTRUCTURE



NSS / UBA / SWACHH BHARAT - ACTIVITIES

List of Extension activities done by NSS/UBA during 01.08.2018 - 31.07.2019

Sl. No.	Date	Activity	Place of Activity
1.	06.08.2018	Unnat Bharat Abhiyan Activities Planning Regional Workshop Presentation	IIT, Madras
2.	15.08.2018	Gram Sabha at Thaiyur Panchayat	Thaiyur
3.	15.08.2018	Independence Day Celebration	CHRI
4.	02.10.2018	Gandhi Jayanti Celebration	Padur
5.	31.10.2018	National Unity Day Rally	Kelambakkam
6.	02.11.2018	Certificate Distribution for Swachh Bharat Summer Internship	CHRI
7.	04.12.2018	Disaster Management Awareness Programme	CHRI
8.	21.12.2018	Oratorical competition and Movie display on Ban on One Time Use and Throwaway Plastics-Awareness	CHRI
9.	05.01.2019	Road Rally and Guest lecture on Ban on One Time Use and Throwaway Plastics-Awareness	Kelambakkam and Padur
10.	08.01.2019	Meeting with Kanchipuram Collector for UBA	Kanchipuram
11.	11.02.2019	Village Survey and Household Survey for Thaiyur, Velichai, Padur, Pudupakkam and Kayar	Thaiyur, Velichai, Padur, Pudupakkam and Kayar
12.	13.02.2019	Village Survey and Household Survey for Thaiyur, Velichai, Padur, Pudupakkam and Kayar	Thaiyur, Velichai, Padur, Pudupakkam and Kayar
13.	14.02.2019	Village Survey and Household Survey for Thaiyur, Velichai, Padur, Pudupakkam and Kayar	Thaiyur, Velichai, Padur, Pudupakkam and Kayar
14.	16.02.2019	Mourning for Pulwama Attack Martyrs	CHRI
15.	19.02.2019	Village Survey and Household Survey for Thaiyur, Velichai, Padur, Pudupakkam and Kayar	Thaiyur, Velichai, Padur, Pudupakkam and Kayar
16.	20.02.2019	Village Survey and Household Survey for Thaiyur, Velichai, Padur, Pudupakkam and Kayar	Thaiyur, Velichai, Padur, Pudupakkam and Kayar

17.	22.02.2019	Village Survey and Household Survey for Thaiyur, Velichai, Padur, Pudupakkam and Kayar	Thaiyur, Velichai, Padur, Pudupakkam and Kayar
18.	23.02.2019	Village Survey and Household Survey for Thaiyur, Velichai, Padur, Pudupakkam and Kayar	Thaiyur, Velichai, Padur, Pudupakkam and Kayar
19.	30.03.2019	NSS Advisory Board Meeting	CHRI
20.	24.04.2019	NSS Certificate Distribution	CHRI
21.	04.05.2019	Free Health Camp for villagers-Pudupakkam	Pudupakkam
22.	21.06.2019	International Yoga Day Celebration	CHRI

SWACHH BHARAT ACTIVITIES

Summary of Guest Lectures/Workshops on Swachhata at CHRI Campus by NSS, CARE 2018-19

Sl. No.	Date	Name of the event
1.	30.04.2018	Guest Lecture on Swachhata
2.	27.07.2018	Swachhata Workshop and Campus cleaning
3.	21.12.2018	Swachh Bharat Lecture and Oratorical competition and Movie display on Ban on One Time Use and Throwaway Plastics-Awareness
4.	05.01.2019	Swachhata Guest Lecture and Road Rally on Ban on One Time Use and Throwaway Plastics-Awareness

Summary of Swachh Bharat Activities in the adopted villages/communities- 2018-19

Sl. No.	Date	Programme
1.	23.05.2018	Inauguration of Swachh Bharat Summer Internship
2.	06.06.2018	Village survey for Swachh Bharat internship
3.	08.06.2018	Hand wash Camp at Jagannath Vidhyalaya, Thaiyur (Class I to class IV)
4.	11.06.2018	Hand wash Camp at Jagannath Vidhyalaya, Thaiyur (Class V to class VIII)
5.	12.06.2018	Awareness for keeping one's house and locality clean for more positive energy and betterment of the nation. (positive citizens positive nation)
6.	13.06.2018	Personal Hygiene knowledge sharing
7.	14.06.2018	Hand wash Camp at Jagannath Vidyalaya, Thaiyur (Class IX to class XII)
8.	15.06.2018	Impart knowledge on making of toilets
9.	19.06.2018	Awareness campaigns - Door to door meetings - sanitation, hygiene, toilet construction and usage, hand wash and waste management.
10.	20.06.2018	Cleaning of garbage, Waste collection and disposal, street cleaning.
11.	15.08.2018	Gram Sabha at Thaiyur Panchayat (discussion about swachh bharat schemes)

Summary of implementation of Green Programmes in the neighbouring adopted villages/communities- 2018-19

Names of Adopted Village under UBA: Thaiyur, Velichai, Kayar, Pudupakkam, Padur.

Sl. No.	Date	Program
1.	23.05.2018	Inauguration of Swachh Bharat Summer Internship and door to door visits
2.	12.06.2018	Awareness for keeping one's house and locality clean for more positive energy and betterment of the nation. (positive citizens positive nation)
3.	13.06.2018	Personal Hygiene knowledge sharing
4.	15.06.2018	Impart knowledge on making of toilets
5.	19.06.2018	Awareness campaigns - Door to door meetings - sanitation, hygiene, toilet construction and usage, hand wash and waste management.
6.	20.06.2018	Cleaning of garbage, Waste collection and disposal, street cleaning.
7.	26.06.2018	Sapling Plantation in Community
8.	30.08.2018	Waste Management Segregation Awareness
9.	01.09.2018	Market Plastic Free Campaign
10.	05.01.2019	Road Rally on Ban on One Time Use and Throwaway Plastics-Awareness



SPORTS

AWARDS & MEDALS OBTAINED BY THE STUDENTS OF CARE

Sl. No.	Tournament	Date	Venue	Participants	Achievement
1.	State Level Inter Collegiate Athletics Meet	11.08.18	Pondicherry Institute of Medical Sciences, Puducherry.	Alfred Sam Javelin - 1 st place Discus - 1 st place Sho put - 3 rd Place	
2.	South India level Inter Medial & Para medical Collegiate Tournament	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	Twelve Students	Kabaddi (men) 1 st Place
3.	South India level Inter Medial & Para medical Collegiate Tournament	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	Twelve Students	Volley ball (Women) 1 st Place
4.	South India level Inter Medial & Para medical Collegiate Tournament	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	Twelve Students	Throw ball (Women) 1 st Place
5.	South India level Inter Medial & Para medical Collegiate Tournament	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	Twelve Students	Kho-Kho (Women) 1 st Place
6.	South India level Inter Medial & Para medical Collegiate Tournament	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	Three Students	Badminton (Women) 1 st Place
7.	South India level Inter Medial & Para medical Collegiate Tournament	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	Three Students	Table Tennis (men) 1 st Place
8.	South India level Inter Medial & Para medical Collegiate Tournament	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	Niveditha. K	Chess (Women) 1 st Place

9.	South India level Inter Medial & Para medical Collegiate Tournament	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	Twelve Students	Basket ball (men) 2 nd Place
10.	South India level Inter Medial & Para medical Collegiate Tournament	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	Twelve Students	Basket ball (women) 2 nd Place
11.	South India level Inter Medial & Para medical Collegiate Tournament	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	Three Students	Badminton (men) 2 nd Place
12.	South India level Inter Medial & Para medical Collegiate Tournament	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	Seven Students	Futsal (men) 2 nd Place
13.	South India level Inter Medial & Para medical Collegiate Tournament	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	Two Students	Table Tennis (women) 2 nd Place
14.	South India level Inter Medial & Para medical Collegiate Athletics Meet	09.10.18 To 11.10.18	Chettinad Academy of Research & Education, Chennai.	<p>Athletics Team</p> <p>Alfred Sam Discus - 1st place</p> <p>Nalla Reddy Shot Put - 1st place Discus - 3rd place</p> <p>M. Mahalakshmi Shot Put - 2nd place Discus - 2nd place</p> <p>K. Kamali Discus - 3rd place</p> <p>Sandeep Samson 800m - 2nd place</p> <p>Berlin Jose Javelin - 3rd place</p>	

				<p>Gayathri Javelin - 2nd place</p> <p>Kannammai 800m - 3rd place</p> <p>Pranava 1500m - 3rd place</p> <p>Deboral 800m - 2nd place</p> <p>Sangeetha. N 400m - 2nd place 1500m - 2nd place</p> <p>Harini, Sangeetha, Ram Nivedha & Pranava -4x100m Relay - 2nd place</p> <p>Darsana, Steffy, Kannammai & Arthi -4x100m Relay - 3rd place</p> <p>We Won Overall Sports Winners</p>	
15.	State Level Inter Collegiate Tournament	24.10.18 to 26.10.18	SRM Medical College, Chennai.	Twelve Students	Kabaddi (men) 1 st place
16.	State Level Inter Collegiate Tournament	24.10.18 to 26.10.18	SRM Medical College, Chennai.	Fifteen Students	Foot ball (men) 1 st place
17.	State Level Inter Collegiate Tournament	24.10.18 to 26.10.18	SRM Medical College, Chennai.	Twelve Students	Throw ball (women) 1 st place
18.	State Level Inter Collegiate Tournament	24.10.18 to 26.10.18	SRM Medical College, Chennai.	Eight Students	Futsal (men) 1 st place
19.	State Level Inter Collegiate Tournament	24.10.18 to 26.10.18	SRM Medical College, Chennai.	Five Students	Volley ball 3's (women) 1 st place

20.	State Level Inter Collegiate Tournament	24.10.18 to 26.10.18	SRM Medical College, Chennai.	Fifteen Students	Cricket (men) 2 nd place
21.	State Level Inter Collegiate Tournament	24.10.18 to 26.10.18	SRM Medical College, Chennai.	Twelve Students	Basket ball (men) 2 nd place
22.	State Level Inter Collegiate Tournament	24.10.18 to 26.10.18	SRM Medical College, Chennai.	Twelve Students	Volley ball (women) 2 nd place
23.	State Level Inter Collegiate Tournament	24.10.18 To 26.10.18	SRM Medical College, Chennai.	Niveditha.K	Chess (women) 2 nd place
24.	State Level Inter Collegiate Athletics Meet	24.10.18 to 26.10.18	SRM Medical College, Chennai.	<p>Athletics Team</p> <p>Alfred Sam Javelin - 1st place Discus - 2nd place</p> <p>Sangeetha 400 m - 2nd Place 800m - 3rd place</p> <p>We Won Overall Sports Winners</p>	
25.	South Zone Karate Tournament	26.01.19 & 27.01.19	Karate Association of India member UTPSKA, Hotel Jayaram complex, Puducherry.	Snekha.V	Karate (women) Ind Kata 1 st place
26.	State Level Inter Para medical Collegiate Tournament	13.02.19 to 16.02.19	Sri Ramachandran Institute of Higher Education, Porur, Chennai.	Twelve Students	Volley ball (women) 2 nd place

27.	State Level Inter Para medical Collegiate Tournament	13.02.19 to 16.02.19	Sri Ramachandra Institute of Higher Education, Porur, Chennai.	Niveditha.K	Chess (women) 2 nd place
28.	All India Karate Championship	16.02.19 & 17.02.19	Budokai Karate - Do Training School, Ramee mall, Teynampet, Chennai.	Snekha.V	Karate (women) Black belt, Kumite 1 st place
29.	State Level Inter medical Collegiate Tournament	08.05.2019 to 10.05.2019	Govt. Omanthurar Medical College, Chennai.	Pragatheeswar Tino Francis Vijith	Badminton (men) 2 nd place
30.	State Level Inter medical Collegiate Tournament	08.05.2019 to 10.05.2019	Govt. Omanthurar Medical College, Chennai.	Bhargav Prem Kumar	Table Tennis (men) 2 nd place
31.	State Level Inter medical Collegiate Tournament	01.08.19 to 03.08.19	Pondicherry Institute of Medical Sciences, Puducherry.	Vijith Rajesh krishna Jovin Joseph	Badminton (men) 2 nd place
32.	State Level Inter Collegiate Tournament	28.08.19 to 31.08.19	Govt. Kilpauk Medical College, Chennai.	Bhargav	Table Tennis Singles (men) 1 st place
33.	State Level Inter Collegiate Tournament	28.08.19 to 31.08.19	Govt. Kilpauk Medical College, Chennai.	Bhargav & Yogesh	Table Tennis Doubles (men) 2 nd place
34.	State Level Inter Collegiate Tournament	28.08.19 to 31.08.19	Govt. Kilpauk Medical College, Chennai.	Bhargav & Aparimita Das	Table Tennis Doubles (mixed) 2 nd place

STATISTICS

No. of students participated in Sports, Games and other events



No. of medals /awards won by students in Sports, Games and other events



Chettinad Hospital & Research Institute MBBS Inauguration 09-08-2018



Chettinad Hospital & Research Institute
World Breastfeeding Week
01-08-2018 - 07-08-2018



Chettinad Academy of Research & Education Independence Day 15-08-2018



Chettinad Academy of Research & Education
Diwali Celebration
03-09-2018



Chettinad Academy of Research & Education Teachers Day 05-09-2018





Chettinad College of Nursing Nursing Inauguration 01-10-2018



Chettinad Academy of Research & Education Insignia's Fusion - Sports & Cultural Fest 09-10-2018



Chettinad Academy of Research & Education Ayudha Poojai 17-10-2018



Chettinad Academy of Research & Education Dandiya Night 07.11.2018



Chettinad Hospital & Research Institute World Diabetes Day 14-11-2018



Road Safety Week 18-11-2018 - 24-11-2018



Chettinad Academy of Research and Education 8th Convocation 10-01-2019



Chettinad Academy of Research & Education 70th Republic Day 26-01-2019



Chettinad Academy of Research & Education International Science Day 28-02-2019



Chettinad Academy of Research & Education Language Programme 02-03-2019



Chettinad Hospital & Research Institute Womens Day 08-03-2019



Chettinad Hospital & Research Institute World Tuberculosis Day 22-03-2019



Chettinad Hospital & Research Institute World Health Day 08-04-2019



Chettinad Academy of Research & Education May Day 01-05-2019



Chettinad Hospital & Research Institute World Population Day 12-07-2019



Chettinad Academy of Research and Education Bar Council of India inspection on 11-03-2019



Chettinad Academy of Research and Education
Pharmacy Council of India inspection on
22-03-2019



Chettinad Academy of Research and Education
Council of Architecture inspection on
01-04-2019



Chettinad Academy of Research and Education
AICTE Expert Visit Committee on
11-04-2019



Chettinad Academy of Research and Education UGC 12B Visit

12-07-2019 - 13-07-2019



ENTREPRENEURSHIP

- ⚙ Workshop on Leadership and Team Dynamics.
- ⚙ Workshop on Social Entrepreneurship.
- ⚙ Start-Ups : Constraints, Road Blocks & Funding
- ⚙ Workshop on Entrepreneurial and Negotiation Skills
- ⚙ Training on Choosing a Business partner.
- ⚙ Training on Passion and Perseverance behind starting up one's Medical Practice.
- ⚙ Workshop on communication , learning and memory strategies to become a successful entrepreneur.
- ⚙ Training on Motivation-personality development and team work.
- ⚙ Training on Skills and Personality Development
- ⚙ Soft Skills training Programme for Medical Students



Chettinad Academy of Research and Education Herbal Garden



CONCLUSION

Chettinad Academy of Research and Education has made significant contributions towards the cause of higher education of our country. The University functions within the framework of the norms of concerned statutory bodies.

The infrastructure, ambience, faculty strength, resources and research facilities focus on rapidly developing facets in the field of science and technology. The programs are therefore designed towards ensuring that this Deemed to be University has carved a niche in the field of higher education. This is evident from our accreditations such as NAAC and approvals such as MCI, INC.

The sustained growth in all fronts is reflected in improved research output, offers of lucrative jobs for qualified graduates and the demand for the courses in emerging areas. Inculcating a spirit of scientific enquiry and thirst for further knowledge has ensured that a sizeable number of graduates have opted for further specialization in selected areas of interest or in research.



Chettinad

Academy of Research & Education

(Deemed to be University Under Section 3 of the UGC Act 1956)

Accredited by NAAC with 'A' Grade



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