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T.M.A.E Society's

S.C.S COLLEGE OF PHARMACY

Harapanahalli - 583 131 Davanagere - Dist. Karnataka - St.



The Skills To Create Wonder Drugs & Give Healing A New Meaning...

**Approved by : Pharmacy Council of India (PCI), AICTE, New Delhi
Affiliated to: Rajiv Gandhi University of Health Science, Bangalore**



Dr. R. Nagendra Rao

SCS College of Pharmacy is a constituent college of the Rajiv Gandhi University of Health Sciences, Karnataka, Bengaluru. In line with our vision of providing an exciting and challenging learning and research environment designed to develop independent, innovative and creative ideas, The institution is working towards becoming a centre of excellence in pharmaceutical education and research and will be world leader in the field of pharmaceutical sciences with a vision of strengthening the healthcare of the country.

The students of this premier pharmacy institute in India are sure to have a rich learning experience, good research environment, and valuable guidance by nationally / internationally renowned faculty and support by various national and international forums and pharmaceutical industry.

Mission

“Catering the Pharmaceutical Education from a rural base to rural mass with a global perspective”.

Vision

“To create an arena for learning concepts of modern pharmaceutical technology with human face.”
 “To explore, substantiate and integrate native medicinal knowledge with modern pharmaceutical technology”.



ER. ANIL PAKALOMATTOM
DIRECTOR (ADMISSION)

Courses Offered

D. Pharmacy	Eligibility: Pass in PUC IIInd or equivalent with science (PCM or PCB combination) recognized by board. Duration: 2 Years
B. Pharmacy	Eligibility: Pass in PUC II or an equivalent examination (10+2) of any approved board or university with minimum of 40% marks in PCM/PCB combination, SC/ST 35%. D.Pharm with minimum 50% are eligible for direct IIInd year B.Pharm. Duration: 4 Years
M.Pharmacy ★ Pharmacology ★ Pharm. Chemistry ★ Pharmaceutics ★ Quality Assurance	Eligibility: Pass in B.Pharm from RGUHS or any recognized universities with minimum of 55%, for SC/ST 50% aggregate marks of 4 years. Duration: 2 Years
Pharm.D	Eligibility: Pass in PUC IIInd or equivalent with science (PCM or PCB combination) recognized by board. Pass in D.Pharm from institution approved by PCI. Duration: 6 Years
Pharm.D PB	Eligibility: Pass in B.Pharm from institution approved by PCI. Duration: 3 Years

Revered Founders of T. M. A. E. Society



Sha. Bra. Sri. Chandra Sekhara Swamiji



Sha. Bra. Sri. Varasadyojatha Swamiji
President



Sha. Bra. Sri. Chandramouleshwara Swamiji

T.M.A.E.'s society, Harapanahalli is a pioneer educational society was established in 1969 under the leadership of the visionary saint of this part of Karnataka Sri. Sha. Bra. Chandra Shekhara Swamiji and is running as many fifty educational institutions in six districts of Karnataka State, Viz., Bellary, Davanagere, Raichur, Dharwad, Chitradurga, Gadag, Koppal & Shimoga.

In recognition of the requirement of the needs of professional education in this rural part of the country and in order to share the burden of the government, the T.M.A.E.' society has established Shri.Chandrashekhara Swamiji College of Pharmacy in the year 1979 with a D. Pharm. course with intake of 30 students. B.Pharm. course was started in the very next year i.e. in 1980, (This was the fourth oldest institution in the state of Karnataka) and subsequently M.Pharm. course in two specializations (Pharmacology and Pharm. Chemistry) was introduced in 1996 and were affiliated to Gulbarga University and later on to Rajiv Gandhi University of health sciences, Bangalore. It is note worthy to mention that this institution was established when there was no/scanty awareness about this course in the nation The institution is recognized by the Pharmacy council of India and All India Council for technical education, New Delhi and more so the college has carved a niche of its own at the national and international level. In addition to this we can see that, students from nuke and corner of the country are studying here and a miniature India in this small rural place, i.e. a symbol of national integration. Because of this institution many stalwarts in the field of Pharmacy have visited and appreciated the efforts of the management and staff in uplifting and popularizing pharmacy education from this rural base.



Sri. T.M Chandrashekaraiiah
Secretary

In today's technological age, a complete revision of current education advancements, policies & principles is required if organizations are to continue to thrive. This is especially required as technology is moving at ever increasing pace. The future of any country lies in its ability to use resources to build a strong technological base. It is perhaps necessary that in the face of these trends, institutions must also cope with rising demands for accountability and focus on the social responsibilities. This perhaps forms the crux of T.M.A.E. institutions. There are several inventive, imaginative and innovative add ups and cut offs to the regular and conventional methods of knowledge delivery system.



Department of Pharmacology

The Department of Pharmacology is involved in all aspects of teaching and research activities. The discipline of pharmacology is the study of the effects of drugs on living organs. Pharmacology may involve how organs handle drugs, mechanism of drug action, drug toxicity, the use of drugs as probes to delineate biological processes during health and disease, identification of new targets for drug action and the design and development of new drugs. These investigations can occur at the molecular, sub cellular, cellular, tissue or whole organism level. Pharmacology is an interdisciplinary science employing experimental approaches that may include biochemistry, physiology, immunology, molecular biology, genetics and cell biology.

The institute is having a modern animal house approved by the Institutional Animal Ethics Committee(IAEC).

Department has well equipped laboratory with computer facilities, audio-visual aids and internet facilities. Computer with access to scientific databases

- ▶ Semi autoanalyser
- ▶ Deep freezer -40oc
- ▶ Langandroff Apparatus
- ▶ Actophotometer
- ▶ Analgesiometer
- ▶ Convulsometer
- ▶ Cooks pole climbing app.
- ▶ Telethermometer



P.G. Department research areas

- ▶ *In Vitro* antioxidant activity
- ▶ Cardio protective activity
- ▶ Nephro protective activity
- ▶ Neuro protective activity
- ▶ Anticonvulsant activity
- ▶ Acute toxicity studies
- ▶ Quantification of total phenol, flavonoid and tannin from plant extract





Department of Pharmaceutics

The Department of Pharmaceutics is one among the well-known departments in the Pharmacy. Pharmaceutics is such branch in pharmacy which encompasses many subject areas which are associated with the steps to which a drug is subjected towards the end of its development. To put it in its most simplistic way, pharmaceutics converts a drug into suitable dosage form, which is a means of administering drugs in to the body in a safe, efficient, reproducible and convenient manner. Pharmaceutics is thus concerned with the scientific and technological aspects of the design and manufacture of dosage forms.

It includes, an understanding of the basic relationship between physical chemical and biological sciences necessary for efficient design of dosage forms and drug action.

The goal of Pharmaceutics department is to produce a competent Industrial Pharmacist.

Department Laboratories are well equipped with sophisticated and modern equipments like,

- ▶ HPLC
- ▶ FT-IR
- ▶ UV spectrophotometer
- ▶ Brookfield Programmable Rheometer
- ▶ USP dissolution test apparatus
- ▶ Stability testing chambers
- ▶ Rotary tablet punching machine and
- ▶ Rotary flash evaporator etc.,



RESEARCH AREAS OF P.G. DEPARTMENT

- ▶ Microparticles
- ▶ Nanocrystals
- ▶ Periodontal and buccal drug delivery Systems
- ▶ Colon Targeted drug delivery systems
- ▶ Topical and transdermal drug delivery systems
- ▶ Gastroretentive drug delivery systems
- ▶ Sustained drug delivery systems





Department of Pharmaceutical Chemistry

The goal is to train the students in various reaction mechanisms and develops skills in the designing of target specific molecules

Objectives :

Knowledge, understanding and attitude
To train the candidates with different theoretical aspects involved in drug design
Ability to master the different technique used in the synthesis of drug molecules
Department of Pharmaceutical Chemistry is actively involved in research activities in the area of synthetic organic heterocyclic moieties. The department has well equipped facilities for research work sophisticated instruments like HPLC, FTIR, U.V., Brookfield Viscometer, Microwave Oven and all the basic required facilities to have the U.G and P.G. courses.

Research Areas of the P.G. Department:

Synthetic heterocyclic chemistry to get fluoro-benzothiazole incorporated with other moieties like oxazole, pyrazole, imidazole, oxadiazole, thiadiazole, Quinazoline, pyrimidine, sulfonamides, azetidinone, thiazolidine, Quinoline pyrimidine derivatives and organo metallic compounds.





Department of Pharmacognosy

Department of Pharmacognosy is imparting practical knowledge, profiles of medicinal plants and its utilization, morphological & microscopical analysis for UG & PG in Pharmacy. Apart from it is intended to provide the practical knowledge in the extraction, isolation, purification and standardization of herbal preparations. The department also provides adequate facilities in phytochemical analysis & standardization of herbals for the PG & Ph. D. students of Pharmacology, Medicinal & Natural chemistry.

Department is equipped with sufficient teaching aids & instruments. The department involved in teaching phytochemistry, industrial pharmacognosy, plant tissue culture, enzyme biotechnology, nutraceuticals, ayurveda, traditional system of medicine, herbal cosmetics & drug discovery. It involved in coordination in inter department disciplines in research PG & Doctoral research in Ayurveda, phytochemistry & pharmacology to establish scientific basis in ayurveda drug discovery. The department also utilizes sophisticated methods of analysis of herbals by spectroscopy & Thin layer chromatography (TLC), FT IR & high performance liquid chromatography (HPLC).

Herbal garden is having important medicinal & aromatic plants in our college campus. The garden imparts necessary identification of medicinal plants and their utilization in medicine



The College has an excellent Library and Information Center, one of the central support services of the institution, which acts as a primary source for information seekers, be it students, faculty or researchers. The library is well equipped with modern facilities and resources in the form of CD-ROMs online database, video cassettes, books, journals, back volumes of journals, theses, WHO publications-journals and E-books. It has membership with leading Information Centers including Health Sciences Library Networks, "HELINET."



The college has two Computer labs, each with a capacity to accommodate 50 students. The networked systems are configured to allow individual internet access from all the computers. Students have extensive and free access to the internet for surfing and browsing.



Department of Pharmacy Practice:

The Department of Pharmacy Practice was established in the year 2014. It focuses on the areas such as Therapeutic Drug Monitoring, Ward round participation, Patient counseling, Adverse drug reaction monitoring. It has a drug information centre which provides drug related information to the doctors, community pharmacists and other health care providers.

Pharmacy practice is one of the most sought after branches as it provides an opportunity to Pharmacy students to be in direct contact with the patients and community. With increased awareness in healthcare, the pharmacists will play a major role in the hospital set up and community in future. Gradual shift towards patient-centric approach by the pharmacy profession is expected to generate more employment opportunities to pharmacists who are trained in hospital set up. Post graduates in pharmacy practice would ideally fill this role.

The students along with doctors participate in ward rounds and record the Medication history, Adverse drug reactions, Patient recover, Patient counseling and education.

Hospital facilities for Pharm D and Pharm D Post Baccalaureate course

Chigateri General District Hospital provides the entire spectrum of services from Prevention, Diagnosis to Rehabilitation support. The Chigateri General District Hospital was setup as a comprehensive treatment care center with well-trained medical staff and equipped with modern facility and the most contemporary medical equipment. The Hospital, with a capacity of more than 900 beds serves all sections of the Society, with 80% earmarked for free treatment for the underprivileged sections.

Departments:

General Medicine
Dermatology
General Surgery
ENT
Ophthalmology Diseases

Orthopedics
Pediatrics
Physiotherapy
Radio Diagnosis
TB & Respiratory

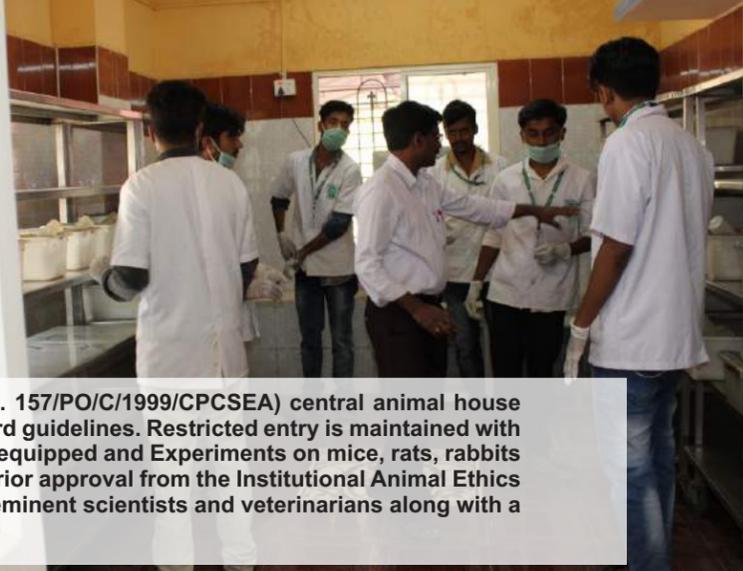
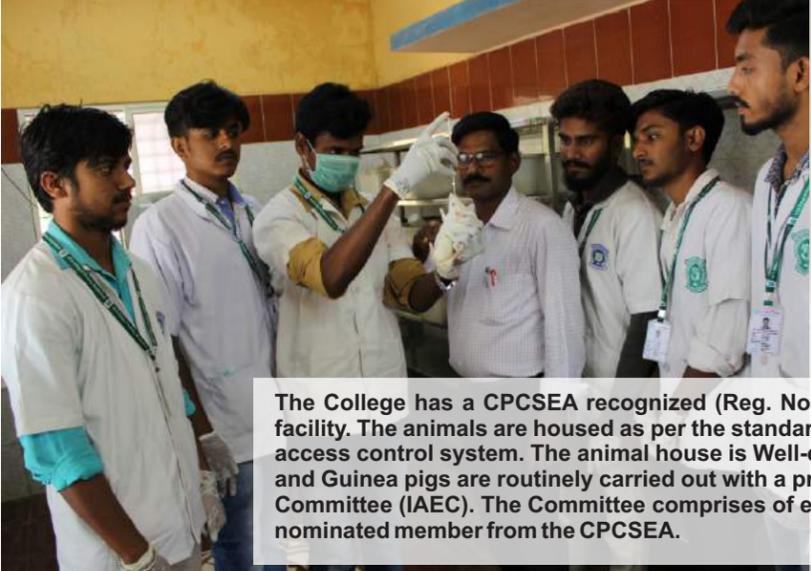
College faculty and students involved in various community activities.



Seminars and Guest Lecture



Boys Hostel



The College has a CPCSEA recognized (Reg. No. 157/PO/C/1999/CPCSEA) central animal house facility. The animals are housed as per the standard guidelines. Restricted entry is maintained with access control system. The animal house is Well-equipped and Experiments on mice, rats, rabbits and Guinea pigs are routinely carried out with a prior approval from the Institutional Animal Ethics Committee (IAEC). The Committee comprises of eminent scientists and veterinarians along with a nominated member from the CPCSEA.



Instrumentation Room & Museum





GLIMPSE OF OUR INSTITUTE



Route Map

Train from Delhi to Bangalore via Hubli, get down at Harihar, from Harihar to Harapanahalli 40 Kms by bus

Train from Bombay to Bangalore via Hubli, get down at Harihar

Train from Chennai to Hubli, get down at Hospet, From Hospet to Harapanahalli 80 Kms by bus



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