SRI VENKATESWARA COLLEGE OF PHARMACY

Approved by AICTE & PCI, New Delhi, Permanently Affiliated to JNTUA, Ananthapuramu
Accredited by NBA, New Delhi for UG Programme under Tier-II &
Accredited by NAAC, Bengaluru
Recognized under section 2(f) & 12(B) of UGC Act, 1956
Recognized Research Centre for Pharmaceutical Sciences by JNTUA
RVS NAGAR, TIRUPATI ROAD, CHITTOOR – 517127, A.P.

M. Pharmacy – Department of Pharmacy Practice

Quality policy

Dedicated to expand pharmacy practice services to play important role in health care system at hospital setup through well programmed pharmaceutical care services

Programme Outcomes

1. Formulate effective inventory management and drug formulary at hospital pharmacy settings.
2. Use knowledge, attitude, skills and abilities to solve drug related problems in patients suffering from various ailments.
3. Adapt information technology to access and evaluate the drug information for integrating the evidence from scientific studies into clinical practice.
4. Collaborate and Communicate on inter-professional teams to ensure that Pharmaceutical care is continuous and reliable.
5. Exhibit knowledge of pharmacist's role in health care systems to deliver patient care service at sectors like, hospital pharmacy settings, community pharmacy settings, ambulatory care and clinical practice.
6. Conduct clinical research along with team of health professional to add value to the evidence – based pharmaceutical car and needy health ailments.
7. Identify methods to design and conduct experiments and interpreting of results including cost – effective, cost – benefit, cost – minimizing of medication use.
8. Describe current Pharmacoeconomic methods and issues.
9. Set-up unbiased drug and poison information center to provide drug information service to all the health care professionals with relevant evidence.
10. Possess ethical value and moral value in the delivery of health care delivery in multifaceted environment

Course outcomes:

Name of the course: Clinical Pharmacy Practice (17S09101)

1. Understand the elements of pharmaceutical care and provide comprehensive patient care services
2. Interpret the laboratory results to aid the clinical diagnosis of various disorders
3. Provide integrated, critically analyzed medicine and poison information to enable healthcare professionals in the efficient patient management

Name of the course: Pharmacotherapeutics-I (17S09102)

1. Describe and explain the rationale for drug therapy
2. Summarize the therapeutic approach for management of various disease conditions including reference to the latest available evidence
3. Discuss the clinical controversies in drug therapy and evidence based medicine
4. Prepare individualized therapeutic plans based on diagnosis
5. Identify the patient specific parameters relevant in initiating drug therapy, and monitoring therapy (including alternatives, time- course of clinical and laboratory indices of therapeutic response and adverse effects)

Name of the course: Hospital & Community Pharmacy (17S09103)

1. Understand the organizational structure of hospital pharmacy
2. Understand drug policy and drug committees
3. Know about procurement & drug distribution practices
4. Know the admixtures of radiopharmaceuticals
5. Understand the community pharmacy management
6. Know about value added services in community pharmacies

Name of the course: Clinical Research (17S09104)

1. Know the new drug development process.
2. Understand the regulatory and ethical requirements.
3. Appreciate and conduct the clinical trials activities
4. Know safety monitoring and reporting in clinical trials
5. Manage the trial coordination process

Name of the course: Principles of Quality use of Medicines (17S09201)

1. Understand the principles of quality use of medicines
2. Know the benefits and risks associated with use of medicines
3. Understand regulatory aspects of quality use of medicines
4. Identify and resolve medication related problems
5. Promote quality use of medicines
6. Practice evidence-based medicines

Name of the course: Pharmacotherapeutics II (17S09202)

1. Describe and explain the rationale for drug therapy
2. Summarize the therapeutic approach for management of various disease conditions including reference to the latest available evidence
3. Discuss the clinical controversies in drug therapy and evidence based medicine
4. Prepare individualized therapeutic plans based on diagnosis
5. Identify the patient specific parameters relevant in initiating drug therapy, and monitoring therapy (including alternatives, time- course of clinical and laboratory indices of therapeutic response and adverse effect/s)

Name of the course: Clinical Pharmacokinetics and Therapeutic Drug Monitoring (17S09203)

1. Design the drug dosage regimen for individual patients
2. Interpret and correlate the plasma drug concentrations with patients' therapeutic outcomes
3. Recommend dosage adjustment for patients with renal/ hepatic impairment
4. Recommend dosage adjustment for paediatrics and geriatrics
5. Manage pharmacokinetic drug interactions
6. Apply pharmacokinetic parameters in clinical settings
7. Interpret the impact of genetic polymorphisms of individuals on pharmacokinetics and or pharmacodynamics of drugs
8. Do pharmacokinetic modeling for the given data using the principles of pharmacometrics

Name of the Course: Pharmacoepidemiology & Pharmacoeconomics (17S09204)

1. Understand the various epidemiological methods and their applications
2. Understand the fundamental principles of Pharmacoeconomics.
3. Identify and determine relevant cost and consequences associated with pharmacy products and services.
4. Perform the key Pharmacoeconomics analysis methods
5. Understand the Pharmacoeconomic decision analysis methods and its applications.
6. Describe current Pharmacoeconomic methods and issues.
7. Understand the applications of Pharmacoeconomics to various pharmacy settings.

Name of the course: Research Methodology and Biostatics (17S01301)

1. Learn general research methodology
2. Understand the basic concepts of biostatistics
3. Learn different parametric and non-parametric tests
4. Understand the functions of ethics committees in medical research
5. Learn the guidelines for developing animal facilities
6. Explain the guidelines and importance of medical research
7. Learn the guidelines for the experimentation on animals.
8. Understand the genesis of bioethics with special reference to Helsinki declaration