



Dr. K.V. Subba Reddy Institute of Pharmacy

(Approved by AICTE, P.C.I. New Delhi & Permanently Affiliated to JNTUA Anantapuramu,
MOU with Government General Hospital & KMC, Kurnool)
Recognized Under Section 2(f) and 12(B) of UGC Act 1956
Opp : Dupadu R.S., N.H - 44, KURNOOL - 518 218, A.P. INDIA.
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PROGRAMME SPECIFIC OUTCOMES (PSO'S)

B PHARMACY

- 1. Scientific Thinking** : Enable student's knowledge in scientific perception to understand the concepts and to solve the problems positively while making pharmaceutical formulations.
- 2. Analytical Skills** : Assimilate and develop analytical skills using advanced equipment to design and evaluate pharmaceutical products, also to assess their quality.
- 3. Resource Management** : Utilize and manage resources from natural, semi synthetic and synthetic origin to develop real time products with utmost benefit and safety.
- 4. Public Health Care** : Promote and empower the healthy living in the community by various means of awareness and health strategies.
- 5. Entrepreneurship** : Acquire and develop entrepreneurship and administration skills to establish community pharmacy, learning and training centers for the long term well being of society.

M. PHARMACY PROGRAMME PHARMACEUTICS

- 1. Formulation strategies**: To impart practical knowledge, expertise to develop, design disease-centric formulations, targeting approaches using current, advanced scientific principles for better patient care and compliance.
- 2. Emerging science**: To introduce knowledge about emerging cutting-edge technologies and their application in pharmaceutical field with better formulations for effective treatments.
- 3. Computational literacy**: To demonstrate the use of artificial intelligence, computer programs or software applications useful in screening formulations, interpretation of experimental data and their validation.
- 4. Pharmaceutical regulations**: To understand the objectives, roles, functions of various pharmaceutical regulatory bodies governing quality, safety and efficacy of pharmaceuticals from manufacturing to patient door.

M. PHARMACY PROGRAMME PHARMACEUTICAL ANALYSIS

- 01** To deal with various hyphenated instrumental techniques for identification, characterization and quantification of drugs.
- 02** To provide studies on drug bioavailability, pharmacodynamics, cell culture techniques and ensure the efficacy and safety use of herbal medicine according to AYUSH guidelines.



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03 To understand calibration, validation methodologies and their applications in industry.

04 To determine the assay of drugs by spectroscopical and chromatographical methods and preservatives in food and food products.

05 To understand quality assurance aspects of pharmaceutical industries such as cGMP, documentation, certification, GLP and other regulatory guidelines.

06 To create a talent pool by involving students in research projects under the guidance of faculty and for publishing their research work.

07 To impart knowledge about extraction and separation of drugs from biological samples by different analytical techniques.

08 To deal with detection of impurities in pharmaceutical formulations and development of protocol for stability testing of products.

PHARM.D PROGRAMME

01 To understand various drug distribution methods, know the professional practice management skills in hospital pharmacies.

02 To provide unbiased and authentic informations to all the stakeholders of health, appreciate practice-based research methods, and appreciate stores management and inventory control.

03 To prepare personalized therapeutic strategies based on diagnosis, through identification of options, observing treatment, time-course of clinical and laboratory indices of therapeutic response and adverse effects.

04 To explicate patient care in performing medication history, interpretations of laboratory data, categorizing potential-medicine related impacts of Pharmacotherapy.

05 To understand the clinical aspects of drug development, such as phases, ethical issues, and roles and responsibilities of clinical trial personnel and able to design clinical study documents, data management and safety monitoring in clinical trials.

06 To render the services to the public by providing patient centric effective treatments to curb the therapeutic issues with the required medicines and explain the effects of the drugs by analyzing the scientific literature for improving their health and well-being.