

Raghavendra Institute of Pharmaceutical Education and Research
(Autonomous)

Accorded Under 2(F) & 12(B) Of UGC, NBA & NAAC “B” Accredited
Anantapuramu, Andhra Pradesh-515721

Department: Industrial pharmacy

Quality policy

Dedicated to expanding pharmaceutical technology by integrating novel techniques to the need of public health through the interface of the Pharmaceutical industry and academic collaboration.

Programme Outcomes

1. Smear the principles of the drug delivery system in the expansion of ecological, efficient dosage forms.
2. Advancement in taking multidisciplinary tasks in the pharmaceutical formulations and imparting quality in them.
3. Analyze, criticize, organize, Improvise and manage documents, data and information related to the pharmaceutical production process.
4. Imbibe ethical practices and moral values in personal and professional activities.
5. Implementing team-based research to implement innovative solutions in the area of formulation, evaluation, validation, technology transfer, artificial intelligence and in silico modeling.
6. Putting practical based learning tactic and innovative thinking in academics and profession
7. Authenticate the knowledge and skills expanded through education to gain gratitude in the Pharmaceutical industry
8. Assembling production unit in a lab then in a pilot plant which helps in designing and fabrication of pharmaceutical dosage forms in the industry.

Course outcomes:

Modern pharmaceutical analytical techniques (MIP 101T)

1. The analysis of various drugs in single and combination dosage forms
2. Theoretical and practical skills of the instruments

Pharmaceutical formulation development (MIP 102T)

1. The scheduled activities in a Pharmaceutical firm.

2. The pre formulation studies of pilot batches of pharmaceutical industry.
3. The significance of dissolution and product stability

Novel drug delivery systems (MIP 103T)

1. The need, concept, design and evaluation of various customized, sustained and controlled release dosage forms.
2. To formulate and evaluate various novel drug delivery systems

Intellectual property rights (MIP 104T)

1. Assist in Regulatory Audit process.
2. Establish regulatory guidelines for drug and drug products
3. The Regulatory requirements for contract research organization

Advanced biopharmaceutics & pharmacokinetics (MIP 201T)

1. The basic concepts in Biopharmaceutics and pharmacokinetics.
2. The use of raw data and derive the pharmacokinetic models and parameters the best describe the process of drug absorption, distribution, metabolism and elimination.
3. To critically evaluate Biopharmaceutics studies involving drug product equivalency.
4. To design and evaluate dosage regimens of the drugs using pharmacokinetic and biopharmaceutic parameters

Scale up and technology transfer (MIP 202T)

1. Manage the scale up process in pharmaceutical industry.
2. Assist in technology transfer.
3. To establish safety guidelines, which prevent industrial hazards.

Pharmaceutical production technology (MIP 203T)

1. Handle the scheduled activities in a Pharmaceutical firm.
2. Manage the production of large batches of pharmaceutical formulations.

Entrepreneurship management (MIP 204T)

1. The Role of enterprise in national and global economy
2. Dynamics of motivation and concepts of entrepreneurship
3. Demands and challenges of Growth Strategies And Networking