MANIPAL COLLEGE
OF PHARMACEUTICAL SCIENCES
MANIPAL
(A constituent unit of MAHE, Manipal)

MPharm Pharmaceutical Chemistry

Program Outcomes (PO's)

After successful completion of MPharm Pharmaceutical Chemistry program, students will be able to:

PO No	Competency
PO 1	Apply the fundamental knowledge of pharmacy and pharmaceutical chemistry in drug discovery and development process.
PO 2	Identify, formulate and analyze the research problems to reach substantiated conclusions that meet the regulatory requirements in the process of drug discovery.
PO 3	Develop solutions for problems related to synthesis, purification, pharmacokinetic, pharmacodynamic activity, toxicity of designed new chemical entities through strategies in Pharmaceutical Chemistry.
PO 4	Conceptualize and investigate the problems related to rational drug design, organic synthesis, process chemistry and natural products chemistry using computational tools and analytical techniques.
PO 5	Select and apply appropriate databases, computational and analytical techniques in designing new chemical entities.
PO 6	Develop and facilitate the pharmaceutical business model which will be cost effective and beneficial to the society.
PO 7	Understand and provide solutions to reduce the environmental hazards by Pharmaceutical Industry through Green Chemistry approach and demonstrate the knowledge for sustainable development.
PO 8	Inculcate and apply ethical principles while discharging professional responsibilities
PO 9	Function effectively as an individual, and as a member, demonstrate leadership qualities as a leader in diverse teams, and in multidisciplinary settings for team building capacities.
PO 10	Possess soft skills and communicate effectively ideas, present the scientific reports in a comprehensive and focused manner to the scientific community, regulatory agencies and society at large.
PO 11	Demonstrate the knowledge of financial management to evaluate existing and new projects for effective decision making.
PO 12	Comprehend the need to engage oneself as a life-long learner.