

**DEVI AHILYA VISHWAVIDYALAYA, INDORE
SCHOOL OF PHARMACY**

**PROGRAM SPECIFIC OUTCOMES
MASTER OF PHARMACY (PHARMACEUTICAL CHEMISTRY)**

- PSO1** Understanding of basic principles of organic chemistry, medicinal chemistry, natural products and their related synthesis and analysis.
- PSO2** Understanding of the mechanisms for various reactions in order to carry out an organic reaction, including isolating, purifying, and characterizing the product.
- PSO3** Understanding of the processes involved in the design, development and discovery of medicinal compounds and mechanism of action of various drug molecules.
- PSO4** Understanding of different types of natural products, their occurrence, structure, biosynthesis, their properties and the use of natural products as starting materials.
- PSO5** Understanding to apply various organic reactions in single & multistep process in manufacturing of drugs and drug intermediates
- PSO6** Understanding of various molecular modeling softwares in the design of novel drug-like molecules and to apply the various softwares for physico-chemical property prediction.
- PSO7** To predict the outcome of organic reactions using a basic understanding of the general reactivity of functional groups and mechanism.