

Department of Pharmaceutics

Department of Pharmaceutics is presently working in different methods of drug delivery system. At present, department is working with novel particulate delivery system, development of liposomal and proliposomal formulations, Nanotechnology in drug delivery system etc. Moreover, department has sophisticated equipments like freeze dryer, spray dryer, Hot melt extruder spheronizer, zetasizer, probe sonicator and a sophisticated Aseptic Laboratory at par with industrial standards.

The department ponders to broaden the research area on formulation development and delivery at nanolevel. One of the thrust areas the department intends to touch upon is herbal nanotechnology and oral films of natural extracts, isolating phytochemical constituents from herbal resources.

The department also intends to undertake advanced cell line research to carry out evaluation of optimized formulations in chronic disorders and diseases.

Department requires sophisticated equipments like differential scanning calorimeter, CO₂ Incubator, Flowcytometer (cell counter), Cryogenic storage freezer etc.