

## Department of Pharmaceutical Chemistry

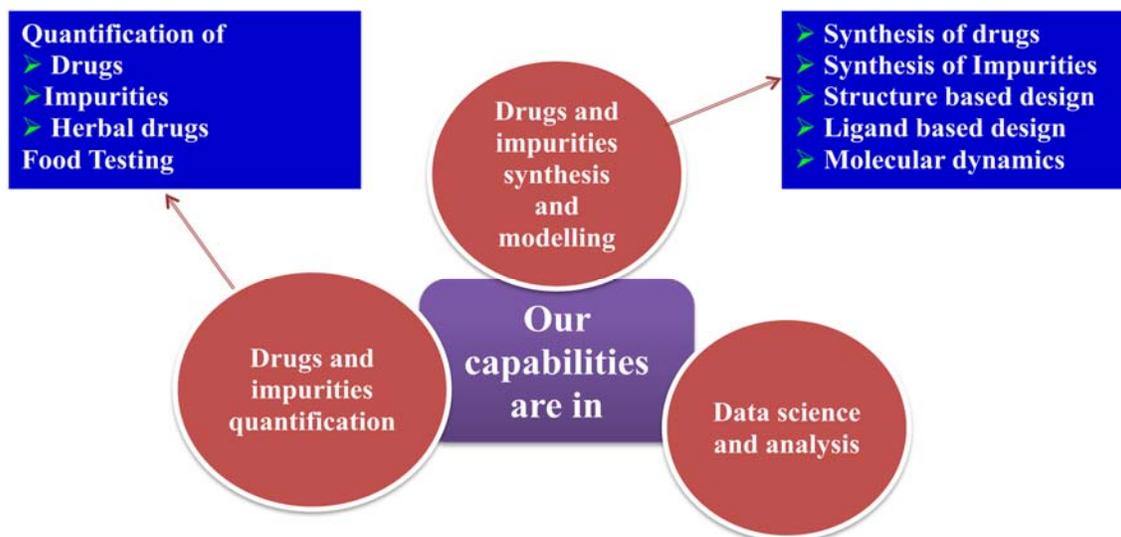
During the last two decades of 20th Century witnessed a gigantic leap in the growth in Pharma industry sector and eventually academic institutes felt the burden of supplying the well trained pharma experts to cater the need of industry. With the vision to exuberate next generation pharma graduates, our Visionary Dr. Patangrao Kadam established Poona College of Pharmacy in 1981 under Bharati Vidyapeeth Baner. Genuine leaders always look forward as visionaries and develop themselves for their team and organization, Today Poona College of Pharmacy is now recognized as pioneer in the Pharmacy education in this part of Maharashtra which is being witnessed by accreditation by NBA, NAAC and top raking in NIRF.

The Department of Pharmaceutical chemistry comprises of dedicated and experienced team of faculty members who actively involved in research activities. Sufficient space of laboratories of the Department has been equipped with modern and sophisticated analytical equipments such as HPLC, HPTLC, SFC, DSC, GC-MS-MS, LC-MS-MS, Elemental Analyser, Combinatorial synthesizer, Catalytic Hydrogenator, Microwave synthesizer, advanced molecular modelling software's etc. The department has highly experienced and qualified faculty consisting of Emeritus Professors, professors, associate professors and assistant professors.

Along with day to day academic interactions with the students, our faculty are also part of carrying research to next level and extend consultancy services to desired customers. Capable and ready to offer solutions, our faculty render facile answers to how complex the problem and task is.



## Major Research Areas:



- ➔ Synthesis of novel new chemical entities targeting diseases including cancer, inflammation and tuberculosis etc.
- ➔ Synthesis of impurities
- ➔ Designing new compounds by ligand and structure based approach
- ➔ Analytical method development
- ➔ Simultaneous analysis of multi component formulations
- ➔ Bio analytical method development
- ➔ Stability studies of APIs and formulations
- ➔ Herbal drug standardisation
- ➔ Validation of traditional medicinal systems through scientific methods
- ➔ Data science techniques