

## **DEPARTMENT OF BIOTECHNOLOGY**

### **Broad outcomes of PG biotechnology**

The department of Biotechnology offers curriculum carefully crafted keeping in mind the competitive exams at national and international levels as well as dynamically changing scenario in biotechnology research trend. The students after their PG program have been pursuing their career in wide range of avenues starting from technical, non-technical and regulatory affairs. Most of the students are encouraged to take up BITP, BINC and KBAT exams along with NTA, GRE, ToEFL exams so that they progress to higher education and start research career. The interdisciplinary nature of the curriculum also enables students to comfortably switch to other fields including Data science, Programming and intellectual property rights.

### **Program specific outcomes**

The Program MSc in Biotechnology offers a wide range of courses including the open electives which make the program flexible by allowing students to pursue their interested course in other departments there by catering to further their interests. Students after finishing the PG program in the biotechnology are actively perusing their career primarily in biotechnology industries in the field of cell-based assay development, production departments as well as quality assurance departments in pharma industry. The department also have produced entrepreneurs who have started the business firms in the field of mushroom cultivation, contact research organizations, clinical data management, Integrated pest management, scientific research paper publication to name a few.

### **Course specific outcomes**

Taking inspiration from specific courses such as genomics and proteomics, bioinformatics, Animal biotechnology, the students are now pursuing their career as researchers in the respective fields in institutes of national repute like, IHR, Yenepoya University, NITTE (Deemed to be University), Manipal Institute of Higher Education. Some students have also obtained BIG grants to establish their startups in the field of agribiotechnology. Significant amount of research papers has been published out of the mandatory minor projects that the students did as partial fulfilments of their PG program along with the studies being presented by them at national and international conferences. This has encouraged the students to take up research as their career and several students have found their placements in universities in abroad including University of Montana, University of Illinois, Auckland University to name a few.