



Be a Bioinformatician!
Applications invited for

Certificate Course in Bioinformatics

Course Duration - 8 Weeks

Course Commences
February 01, 2025



Course Fee:

Regular: ₹13,000/-

MAHE Students/Research
Fellows/PhD Scholars : ₹8000/-

International: 300 USD

Course fee is NOT refundable

Course Credits: 4

Number of Seats: 20

Eligibility

Students, PhD Scholars and faculties of

- Basic Sciences
- Life Sciences
- Pharmaceutical Sciences
- Medicine/Dental
- Computer Science
- Biomedical Engineering
- Electronics/Data Science
- Statistics

Contact:

The Coordinator
Certificate Course in Bioinformatics
Manipal School of Life Sciences
Planetarium Complex, Manipal - 576104
Ph: 0820 - 2922058
Email: director.msIs@manipal.edu

About the Course:

Bioinformatics is a discipline focusing on the development and application of theoretical models and computational methods for the analysis of biological or biomedical data. Computers are used to gather, store, analyze, interrogate and integrate biological and genetic/genomic information which can then be applied to countless questions related to human health. There is an overwhelming demand for trained Bioinformatics professionals who can use information technology to store, extract, organize, analyze, interpret and utilize the biological data. This course intends to provide practical training along with projects, to help work competently in a Bioinformatics environment. The knowledge acquired will be an asset to address your research inquiries and also towards future employment.

Course Features:

The Course organized by Manipal School of Life Sciences (MSLS) involves an understanding of the application of Bioinformatics in all the fields of biological sciences. Activities include fully interactive hands-on sessions in bioinformatics tools, self-learning modules, demonstrations and in-class assignments. Each candidate will have hands-on tasks, coursework, and projects using computers with highspeed internet. The topics taught hands-on are:

- Command Line Scripting
- Computational Biology
- Databases and Data Mining
- Genomics
- Molecular Phylogeny
- NGS Data Analysis
- R Statistical Packages
- Molecular Docking

Course Timings: Start Date: 1st February 2025

Days: Monday, Tuesday, Wednesday and Thursday

Time: 5.00 PM to 7.00 PM

Mode of Classes: **Hybrid (Onsite + Online)**



Online Registration

<https://sis.manipal.edu/CertificateCourses.aspx>