

St. Xavier's College, Mumbai

(Empowered Autonomous Institution)

NAAC-A+, 1st among Private Autonomous Colleges across India (Education World 2024)



POST GRADUATE DEPARTMENT OF BIOTECHNOLOGY

PG DIPLOMA IN BIOINFORMATICS

Postgraduate Diploma in Bioinformatics is a one-year program integrating the understanding of biological data with computational methods for Data analysis. The course empowers learners with tools and techniques in basic and advanced biological data analysis to become the key drivers of the data & precision-driven Biology research & Industry.

Highlights of PG Diploma in Bioinformatics

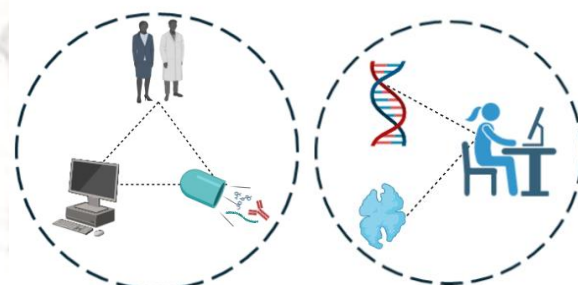
Hybrid mode Programme conducted on Weekends (Friday- Sunday)

Bioinformatics Training Overview

- Expert subject matter delivery from academia, research institutes, industry.
- Blended, learner-centric, problem-based online training.

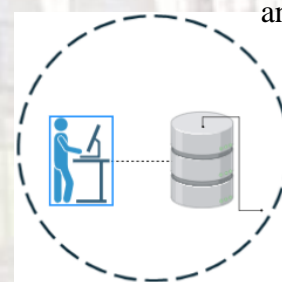
- Python and R Programme
- Biostatistics – Applications in Bioinformatics
- Machine Learning and Artificial Intelligence
- NGS Data Analysis
- Structural Bioinformatics and Molecular dynamic simulations
- Drug Discovery and QSAR
- Capstone Project

Career Scope



Drug discovery and Development

Genomics & Proteomics Data analysts



Database curators

Curriculum Modules - <https://sites.google.com/xaviers.edu/biotechnology/courses/diploma-in-bioinformatics>

Infrastructure Facilities

- High Performance Advanced computing facility for MD Simulation
- High Performance Advanced computing facility for NGS Data analysis
- Bioinformatics Laboratory with Advanced Computers with i7processor



Admissions open for PG Diploma in Bioinformatics

 **40 seats**

Application opens -6th May

Eligibility: Post BSc/MSc/MSc (ongoing)-any biological sciences/Chemistry)/ BTech/MTech/BPharm/Mpharm **Personal Interview in June 2024.**


Application Form:

[https://sxc.qualcampus.com/Online Admission Student Enquiry?Inst ID=40183&Program ID=25](https://sxc.qualcampus.com/Online%20Admission%20Student%20Enquiry?Inst_ID=40183&Program_ID=25)

Commencement: July 2024



 **Further Information :** <https://xaviers.ac/admissions/diploma/bioinformatics-pg-online>

 **Contact:** bioinfopgdiploa@xaviers.edu / biotech.dept@xaviers.edu