MANIPAL SCHOOL OF LIFE SCIENCES
MANIPAL
(A constituent unit of MAHE, Manipal)

Be a Bioinformatician!
Applications invited for

Certificate Course in
Bioinformatics

Course Duration - 8 Weeks

Course Commences
February 01, 2022

Last date for online registration
31st January 2022

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:

- Cheminformatics
- Command Line Scripting
- Computational Biology
- Databases and Data Mining
- Genomics
- Metabolomics
- Microarray Data Analysis
- Molecular Phylogeny
- NGS Data Analysis
- Personalized Medicine
- Proteomics
- R Statistical Packages
- Structural Bioinformatics
- Systems Biology

Course Fee:
Regular: ₹11,000/-
PhD scholars and those registered under Dr. TMA Pai Scholarship program: ₹6000/-
Research Scholars: ₹8000/-

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

Course Timings: Start Date: 1st of February 2022

Days: Monday, Tuesday, Wednesday and Thursday

Time: 5.00 PM to 7.00 PM

Mode of Classes: Through Microsoft Teams

Online Registration

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

Contact:
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