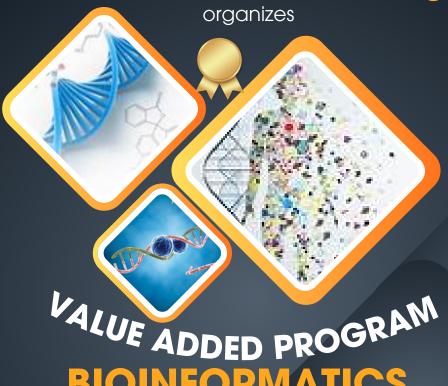






Department of Microbiology



BIOINFORMATICS

This activity aims to equip students with practical and theoretical knowledge that can enhance their expertise in the rapidly evolving field of bioinformatics

Resource Person: Dr. Vemula Vani

Date: 6th to 10th February 2025 9:30 am onwards

Coordinator

Mrs. Soumya Satyanand Shanbhag 9740819951

Objectives:

- Uderstand the Fundamentals of Bioinformatics
- Biological Data Analysis
- Develop computational skills
- Knowledge of database

Principal: Dr. Pushpa H

M S Ramaiah College of Arts, Science and Commerce-**Autonomous, Bangalore**



Registration: Free





pepartment of Microbiology organizes

VALUE ADDED PROGRAM ON BIOINFORMATICS

Date: 6th-10th February 2025 9:30 am onwards Program Schedule

SI No	Course Content	Day
1	Introduction to the Workshop on Bioinformatics	6 th Feb 25
2	Introduction and Applications of Bioinformatics	6 th Feb 25
3	Introduction to Bioinformatics tools	6 th Feb 25
Module 2- Advanced Concepts in Bioinformatics		
4	Nucleotide and Protein sequence Databases and Retrieval of sequences	10 th Feb 25
5	Sequence alignment methods	10 th Feb 25
6	Sequence similarity search	10 th Feb 25
7	PDB and retrieval of protein structures	10 th Feb 25
8	Rasmol analysis of protein 3D structures	10 th Feb 25
Module 3- Assessment & Feedback		
9	Discussion and Assessment	11 th Feb 25
10	Feedback	11 th Feb 25

Venue: Classroom- 4th floor Computer Lab