

# Online BIOINFORMATICS COURSE

06-11 April 2026, 6:30 PM IST

## ABOUT THE COURSE

With the exponential growth of biological data, traditional methods are no longer sufficient. Bioinformatics bridges biology and computer science, helping you analyze, interpret, and visualize biological information effectively. This intensive course provides:

- Foundational Bioinformatics Concepts
- Hands-on Practice with Real Tools & Datasets
- Live Expert Lectures & Demonstrations
- Theory + Practical Sessions
- Access to Software & Protocols
- Certificate of Completion (Academic & Professional Validity)

## KEY BENEFITS

By the end of this course, participants will be able to:

- Efficiently handle biological data and databases.
- Perform sequence alignment and phylogenetic analysis.
- Visualize and model biomolecular structures.
- Conduct molecular docking and basic drug design.
- Apply predictive bioinformatics tools in research.
- Integrate computational techniques in life science projects.

## WHO CAN JOIN?

- Open to all students, faculties, researchers, and professionals from: Life Sciences (Biotech, Microbiology, Zoology, Botany, Biochemistry, etc.)
- Pharmacy & Medicine
- Chemistry and Allied Fields
- Academia & Industry Professionals



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## COURSE MODULES

- Covers fundamentals of molecular biology and bioinformatics concepts.
- Introduces key biological databases – NCBI, UniProt, PDB, and GenBank.
- Hands-on training in sequence retrieval and analysis using real datasets.
- Practical exposure to BLAST, FASTA, and other sequence alignment tools.
- Comparative sequence analysis using Clustal Omega and MEGA.
- Detailed study of gene and protein prediction tools.
- Learning cheminformatics databases like PubChem and DrugBank.
- Predicting drug properties using SwissADME, PreADMET, and ProTox-II.
- Step-by-step molecular docking using AutoDock and Discovery Studio.

## COURSE FEE

Indian Participants: ₹999 INR

International Participants: \$75 USD

[CLICK FOR MODULE](#)



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