Bioinformatics Data Analysis Courses Series

SciFixia

Comprehensive Hands On Training in Bioinformatics

A practical approach to understanding biological data through
Computational and statistical analysis.

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About Us

SciFixia is a Pune-based learning hub offering **practical, industry-oriented training in Life Sciences and Information Technology.** We focus on **hands-on, on-job learning** using real data, real tools, and real-world problem solving.

Our certified programs help learners build strong **technical skills, analytical thinking, and industry readiness** through interactive and application-driven training.

At **SciFixia**, we are committed to making quality education accessible and preparing future-ready professionals for today's evolving industries.

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Duration – Online (3 days)   Timing - Evening

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Why Choose SciFixia?

🔬 **Real-time industry training**

📊 **Hands-on with real datasets**

🧬 **Genomics & computational biology focus**

🏫 **Online expert-led sessions**

🎓 **Certification with job-ready skills**

Course Details

Molecular Docking (3 Days)

• Understand the fundamentals of molecular docking and drug discovery.

• Perform protein & ligand preparation, binding site identification, and docking using industry-standard tools.

• Analyze and interpret docking results with visualization tools for real-world research applications.

Course Price: 250/-

Module	Tools
Module 1 — Introduction to Molecular Docking and Drug Discovery	Theory
Module 2 — Protein Structure Preparation	PyMol, AutoDock tools
Module 3 — Ligand Structure Preparation	PyMol, AutoDdock Vina, OpenBabel
Module 4 — Grid Box Setup	AutoDock Vina
Module 5 — Molecular Docking	AutoDock Vina
Module 6 — Result Analysis and Visualization, Interpretation	Discovery Studio

Outcomes of this Course

- Hands-on experience with industry-standard molecular docking tools.
- Practical skills in drug discovery workflow and result interpretation.
- Internship certificate with project-based learning experience.

Mobile No : 7249509361   Mail id : scifixiainfo@gmail.com   Linkedin : SciFixia LLP