

Bioinformatics Data Analysis

Courses Series



Comprehensive Hands On Training in Bioinformatics

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

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.

Duration - Online (3 days) Timing - Evening

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.

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.