

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 (4 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

CADD (Computer Aided Drug Design)(4 Days)

- Understand the fundamentals of drug discovery, CADD approaches, and set up the essential computational tools.
- Learn to prepare drug-like molecules and evaluate basic ADMET properties to assess their potential suitability as drug candidates.
- Analyze and interpret docking results with visualization tools for real-world research applications.

Module	Tools
Module 1 — Introduction to Drug Discovery, CADD and Software installation.	Theory
Module 2 — Ligand Preparation and Basic ADMET analysis.	SwissAdme, AdmetLab2.0, PyMol, AutoDock tools
Module 3 — Protein Downloading, Preparation and Molecular Docking using AutoDock	PyMol, AutoDdock Vina
Module 4 — Docking Result Analysis and Interaction Visualization	PyMol, Discovery Studio

Outcomes of this Course

- Hands-on experience with industry-standard molecular docking tools.
- Understand the basic principles of CADD and drug discovery.
- Conduct basic ADMET analysis of potential drug molecules.