

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 (5 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

Variant Calling Analysis (5 Days)

- Learn end-to-end Variant Calling data analysis using industry- standard tools.
- Gain hands-on experience in Linux, quality control, alignment, variant calling, and annotation workflows.
- Designed to build strong practical skills for genomics and research careers.

Module	Tools
Module 1 — Linux Basics and Advances	Bash, grep, awk, nano, conda, shell scripting
Module 2 — Data Retrieval and QC	SRA Toolkit, FastQC, MultiQC
Module 3 — Alignment and Post-processing	BWA-MEM, SAMtools, Picard
Module 4 — Variant Calling	GATK(HaplotyperCaller / Muted2), FreeBayes
Module 5 — Annotation	SnEff

Outcomes of this Course

- Use Linux for bioinformatics tasks
- Perform alignment and variant calling
- Annotate genetic variants