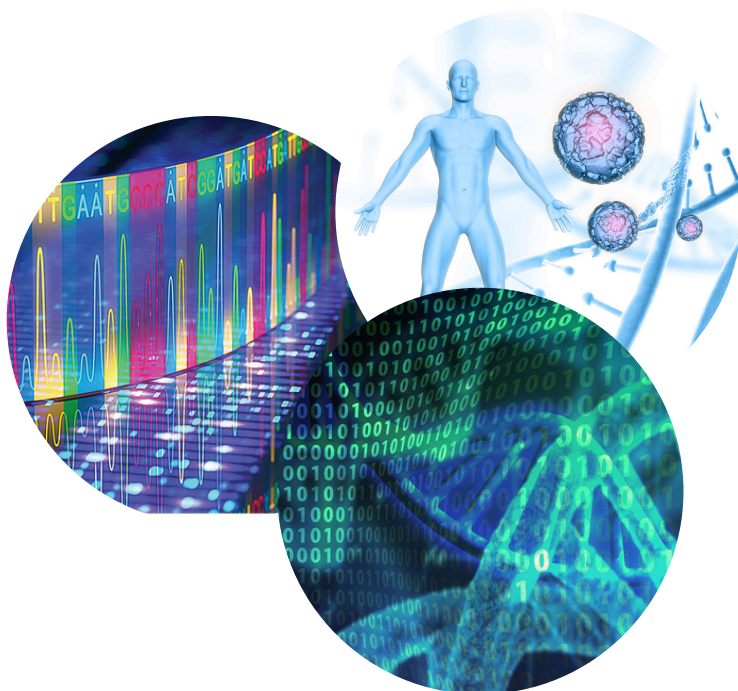


# Industrial Training Program in Bioinformatics



**About this program:** The field of life sciences is rapidly evolving, with new tools and techniques continually emerging. In recent years, bioinformatics has experienced exponential growth and has become an integral part of every biological project. Understanding various bioinformatics tools, techniques, and methods has become essential for anyone working in the life sciences domain. With this in mind, we have developed the **Industrial Training Program in Bioinformatics (ITPB)**.

ITPB offers comprehensive learning for individuals to excel in different areas of bioinformatics. Our one-month training program is designed to help students gain knowledge in bioinformatics and genomics. This program is available in both offline and online formats. Participants in ITPB will learn various bioinformatics methods, tools, and techniques and will be able to apply them in their research and careers.

**Prerequisites:** Basic understanding of biology and enthusiasm to learn. No computing or programming experience required.

**Who can take this course:** Bachelors and Masters students, from Pharma, Biochemistry, Microbiology, Biotechnology, and other allied sciences.

# Industrial Training Program in Bioinformatics

Our Industrial Training Program in Bioinformatics is carefully crafted to ensure that participants gain a thorough understanding of industry-applied and practiced topics. The training module covers curated topics that progress from basic to advanced levels, enabling participants to grasp concepts effectively. Additionally, our training includes an introduction to key programming languages commonly used in genomics data analysis.

## Topics Covered:

- Bioinformatics Databases
- Sequence Analysis - Pairwise sequence alignment and BLAST
- Multiple Sequence Alignment
- Molecular Phylogenetics
- Linux for Biologists
- Genomics Data Analysis
  - In-Silico PCR Primer designing
  - Sequencing Technologies and Terminologies
  - NGS Data Analysis Workflow
- Structural Bioinformatics
  - Understanding Protein Structures
  - Protein Structure Prediction
  - Molecular Docking

Our industrial training program aims to impart practical knowledge of bioinformatics. To achieve this, we conduct training sessions in a blended format. Some topics are delivered in live classes, while others are presented through pre-recorded video sessions. This approach allows participants to learn at their own pace and gain a thorough understanding of the topics. Our hands-on training methodology includes tasks that enable students to perform steps independently, enhancing their learning experience.

## General Information:

- Fees: 1 month training program: INR 15000
- The total duration of learning will be 120 hours
- The successful participants will be awarded an e-certificate.
- The training offered is one-to-one. So participants can start the training any day.
- Training can be conducted online and offline. For offline training, participants will have to come to our office in Pune.
- Each participant will be provided with presentations, recordings, and reference material.

## FAQs:

### 1) What is the last date of registration?

We have batches starting every month. You can register for any upcoming batch. Contact us to know the upcoming batch.

### 2) What if I miss some of the sessions?

We provide a recording of each session. You can watch the recording and complete the topic

### 3) How can I get answers to my doubts post-session?

You can ask your doubts during the live class. When not in class you can ask your queries via email

### 4) Is there any discount on the fee?

There is no discount on the fee. However, we have a special discount for group registration of 5 or more. Contact us to know more.

## For registration, queries please contact us at:

- [training@genespectrum.in](mailto:training@genespectrum.in)
- Whatsapp - +91 7021386045