

# IT Programming Courses Syllabus



## Comprehensive Hands On Training in Programming

*A Practical Approach to Learning Modern Programming and IT Skills*

---

### 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 - 22<sup>th</sup> June – 28<sup>th</sup> August 2026 ( 2 Month)**

**Days - Monday - Friday**

**Timing - 6:00 pm to 7:00 pm**

**Mode - Online**

---

## Why Choose SciFixia?

-  Real-time practical training
-  Hands-on coding experience
-  Industry-relevant IT skills
-  Online expert-led sessions
-  Certification with career-ready skills

## Course Details

### Advanced Java Programming ( 2 Months)

- Learn to build dynamic web applications using JDBC, Servlets, and JSP.
- Understand client–server architecture, HTTP protocol, and session management.
- Gain practical experience by developing a mini web application project.

Course Price: 3000/-

Topic	What You Will Learn
Introduction to Web Applications	client-server architecture, web application structure
HTTP Protocol Basics	HTTP requests, responses, status codes
JDBC Introduction	database connectivity, JDBC architecture
JDBC Operations	CRUD operations, prepared statements
Servlet Introduction	servlet concept and lifecycle

Topic	What You Will Learn
<b>Handling HTTP Requests and Responses</b>	doGet, doPost methods
<b>Servlet Configuration</b>	ServletConfig, ServletContext
<b>Session Management</b>	cookies, URL rewriting, HttpSession
<b>JSP Introduction</b>	JSP basics and page structure
<b>JSP Scripting Elements</b>	scriptlets, expressions, declarations
<b>JSP Directives and Standard Actions</b>	page directive, include, useBean
<b>Mini Web Application Project</b>	building a small CRUD web application using JDBC, Servlets, and JSP

## Outcomes of this Course

- **Ability to develop basic Java-based web applications.**
- **Understanding of database connectivity and CRUD operations using JDBC.**
- **Hands-on experience with Servlets, JSP, and web application workflow.**