

100% Job assistance Training for IT background Students

This course is designed to help students become **job-ready for Software Developer and Website Developer roles** by covering **full-stack development, software engineering best practices, and job placement preparation**. The focus is on **practical learning, hands-on projects, and interview preparation**.

 **Course Duration:** 6 Months  **Training Duration:** 8hrs (Mon - Fry)

Course Modules

 **Module 1: Industry Overview & Career Paths:** Understanding the Software & Web Development Industry

- Career Paths: Frontend Developer, Backend Developer, Full-Stack Developer, Software Engineer
- Job Market Research & Salary Expectations

 **Module 2: Programming & Data Structures**

- **Programming Basics** (C / C++/ Java/ Python)
- **Data Structures & Algorithms**
 - Arrays, Linked Lists, Stacks, Queues, Trees, Graphs
 - Sorting & Searching Algorithms
 - Recursion & Dynamic Programming
- **Coding Challenges** (LeetCode, HackerRank, CodeChef)

 **Module 3: Website Development (Frontend)**

- **HTML, CSS, JavaScript** Basics, Responsive Web Design (CSS Flexbox, Grid, Bootstrap, Tailwind CSS), JavaScript ES6+ Features (Arrow Functions, Promises, Fetch API)
- **Frontend Frameworks:** React.js / Angular / Vue.js
- State Management (Redux, Context API)

 **Module 4: Backend Development: Server-Side Programming: Choosing the Right Specialization Based on Interests** (Node.js, Express.js /Python, Django / Java, Spring Boot / PHP, Laravel / Core ASP .NET)

- **RESTful API Development**
- **Authentication & Security** (JWT, OAuth)
- **Database Management:** MySQL, PostgreSQL, MongoDB, MS SQL Server
- **Connecting Frontend & Backend**

 **Module 5: Full-Stack Development**

- **Project: Building a Full-Stack Application**
- Project Deployment
- Version Control (Git & GitHub)

Module 6: Software Development Best Practices

- **Software Development Life Cycle (SDLC), Agile & Scrum Methodology, Debugging & Testing (Unit, Integration, End-to-End Testing), Code Optimization & Performance Tuning**

Module 7: DevOps & Cloud Basics

- **Introduction to Cloud Computing (AWS, Google Cloud, Azure), Hosting Web Applications (EC2, Firebase, Heroku, Vercel), Containerization (Docker, Kubernetes), CI/CD Pipelines (Jenkins, GitHub Actions)**

Module 8: Resume Building & LinkedIn Optimization

- **Writing a Job-Ready Resume (ATS-Friendly Format), Optimizing LinkedIn Profile & Networking, Portfolio Development (GitHub, Personal Website)**

Module 9: Technical Interview Preparation

- **Understanding Interview Rounds (HR, Technical, System Design)**
- **Mock Technical Interviews (Live Coding + Problem Solving)**
- **System Design Interviews (Low-Level & High-Level Design)**
- **Common HR Interview Questions & How to Answer Them**

Module 11: Job Search Strategy & Career Guidance

- **How to Apply for Jobs (Job Portals, Referrals, Direct Applications)**
- **Cracking Off-Campus & On-Campus Placement**
- **Freelancing & Remote Work Opportunities**
- **Industry Certifications & Their Importance**

Final Outcome

By the end of this program, students will be:

- ✓ **Technically strong & job-ready**
- ✓ **Confident in interviews & communication**
- ✓ **Able to create a strong resume & LinkedIn profile**
- ✓ **Industry-certified & prepared for placements**