

# Participant Handbook: Full Stack Programming ILT

## 1. Introduction

Welcome to the Full Stack Programming course. This handbook will guide you through learning Python, JavaScript, React.js, Next.js, PHP, Java, SQL, C++, and HTML5.

## 2. Course Structure

- Instructor-led sessions
- Hands-on labs
- Assignments and projects
- Assessments

## 3. Learning Guidelines

- Attend all sessions regularly
- Practice coding daily
- Ask questions and participate actively
- Complete assignments on time

## 4. Modules Overview

- Python – Programming fundamentals and OOP
- JavaScript – Client-side scripting and DOM
- React.js – Component-based UI development
- Next.js – Server-side rendering and routing
- PHP – Backend scripting
- Java – Object-oriented programming
- SQL – Database management
- C++ – Programming and memory concepts
- HTML5 – Web structure and forms

## 5. Lab Guidelines

- Follow instructions carefully
- Practice all exercises
- Work on mini-projects
- Seek help when needed

## **6. Assessment**

- Quizzes after modules
- Practical assignments
- Final project

## **7. Code of Conduct**

- Maintain discipline in class
- Respect trainers and peers
- Avoid plagiarism
- Use resources responsibly

## **8. Career Opportunities**

After completing this course, you can pursue roles such as Full Stack Developer, Frontend Developer, Backend Developer, or Software Engineer.

## **9. Conclusion**

Stay consistent, practice regularly, and build projects to become industry-ready.