

FULL STACK WEB DEVELOPMENT – 2 MONTH ORIENTATION PLAN

Technologies: HTML, CSS, Bootstrap, PHP, MySQL

Course Duration:

- Total Duration: 2 Months (8 Weeks)
- Classes per Week: 4 Days
- Class Duration: 1.5 Hours
- Total Classes: Approx 48

WHAT IS FULL STACK DEVELOPMENT?

Full Stack Web Development means working on both frontend and backend of a website.

Frontend handles design and layout.

Backend handles logic, data, and server operations.

Database stores user and application data.

COURSE TECHNOLOGIES:

Frontend:

HTML – Structure of website

CSS – Styling and layout

Bootstrap – Responsive design

Backend:

PHP – Server-side logic

Database:

MySQL – Data storage

TEACHING METHOD:

- Concept explanation
- Live coding
- Practice assignments
- Weekly revisions
- Doubt clearing sessions

MONTH 1 – FRONTEND DEVELOPMENT

Week 1: HTML

- Introduction to Web Development
- HTML Structure
- Tags, Elements, Attributes
- Forms, Tables, Lists

Mini Project: Basic Website

Week 2: CSS

- CSS Basics
- Colors, Fonts
- Box Model
- Flexbox Layout

Website Styling

Week 3: Advanced CSS & Bootstrap

- Responsive Design
- Media Queries
- Bootstrap Grid
- Navbar, Cards, Buttons

Responsive Website

- Week 4: Frontend Mini Project
- Complete Responsive Website
 - Revision and Test

MONTH 2 – BACKEND & DATABASE

- Week 5: PHP Basics
- Introduction to PHP
 - Variables, Data Types
 - Conditions and Loops
 - Functions
 - PHP with HTML

- Week 6: PHP Forms & Logic
- GET and POST Methods
 - Form Validation
 - Login and Signup Logic
 - Sessions and Cookies

- Week 7: PHP with MySQL
- Database Concepts
 - Tables and Queries
 - PHP-MySQL Connection
 - Insert, Update, Delete Operations

- Week 8: Final Project
- Dynamic Website
 - Login System
 - Database Integration
 - Hosting Basics
 - Interview Preparation

FINAL OUTCOME:

Students will be able to:

- Build complete dynamic websites
- Work with backend logic
- Manage databases
- Prepare for internships and entry-level jobs