

## 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