

15 Days (Introduction to MERN Stack)

Objective:

- Familiarize participants with the MERN stack and basic web development concepts.

Syllabus:

1. **Day 1-2:** Introduction
 - a. Overview of MERN stack and career opportunities.
 - b. Setting up development environments (VS Code, Node.js, MongoDB).
2. **Day 3-5:** HTML, CSS, JavaScript Basics
 - a. HTML5 structure and elements.
 - b. CSS3 styling basics, responsive design.
 - c. JavaScript fundamentals (variables, loops, DOM).
3. **Day 6-8:** Git and GitHub
 - a. Version control basics.
 - b. Creating repositories, pushing changes, and collaboration.
4. **Day 9-12:** Introduction to Node.js
 - a. Basics of Node.js.
 - b. Package management with npm.
5. **Day 13-15:** Introduction to MongoDB
 - a. NoSQL vs. SQL databases.
 - b. Basics of MongoDB, CRUD operations.