LEARNING HUB

SHAHABAD MARKANDA

📞 **CALL- 77000 90800**

- **ALL COMPUTER COURSES**
- **ENGLISH LANGUAGE COURSES**
- **TUITION NURSERY TO 10TH (ALL SUBJECTS)**
  WEBSITE: https://learninghubshahabad.in

Web Development Syllabus (Full Stack) - Hinglish Version

🧩 1. Introduction to Web Development

- Web kya hota hai? (Internet, Browser, Client-Server concept)
- Frontend vs Backend
- Website aur Web App mein difference
- Tools setup:
  - VS Code install karna
  - Browser (Chrome/Firefox)
  - Git aur GitHub basics

🎨 2. Frontend Development (Client Side)

🟢 HTML (HyperText Markup Language)

- Basic structure of a webpage
- Tags, Elements, Attributes
- Headings, Paragraphs, Links, Images
- Lists, Tables, Forms
- Semantic HTML (header, footer, article, etc.)
- Practice: Simple Portfolio Page banana

🔵 CSS (Cascading Style Sheets)

- Inline, Internal, External CSS
- Selectors, Colors, Fonts, Backgrounds
- Box Model (Margin, Border, Padding)
- Flexbox aur Grid layout

- Responsive Design (Media Queries)
- Animations & Transitions
- Practice: Responsive Landing Page

🟡 JavaScript (JS)

- Variables, Data Types, Operators
- Conditional Statements, Loops
- Functions, Events, DOM Manipulation
- ES6 Features (let, const, arrow functions, promises)
- Fetch API & JSON
- LocalStorage
- Practice: To-Do App / Calculator

🟣 Frontend Framework (React.js / Next.js basics)

- React Components & Props
- State aur useEffect
- React Router
- Fetching API Data
- Hooks overview
- Practice: Small React Project

⚙️ 3. Version Control (Git & GitHub)

- Git install karna aur setup
- Basic commands: init, add, commit, push, pull
- Branches aur merge concept
- GitHub par project upload karna

LEARNING HUB
SHAHABAD MARKANDA
📞 **CALL- 77000 90800**

- **ALL COMPUTER COURSES**
- **ENGLISH LANGUAGE COURSES**
- **TUITION NURSERY TO 10TH (ALL SUBJECTS)**
  WEBSITE: https://learninghubshahabad.in

💾 4. Backend Development (Server Side)

🟤 Node.js & Express.js

- Node.js intro & setup
- npm (Node Package Manager)
- Express.js framework
- Routes, Middleware, APIs
- RESTful API banana
- CRUD operations
- Practice: Simple REST API

🔵 Database (MongoDB / MySQL)

- Database kya hota hai?
- MongoDB basics (Documents, Collections)
- Mongoose ORM
- CRUD with MongoDB
- SQL basics (agar MySQL choose karo)
- Practice: Connect Node + DB

🧠 5. Authentication & Security

- JWT (JSON Web Tokens)
- Password Hashing (bcrypt)
- User Login/Signup system
- CORS, Helmet, Rate limiting basics

LEARNING HUB

SHAHABAD MARKANDA

📞 **CALL- 77000 90800**

- **ALL COMPUTER COURSES**
- **ENGLISH LANGUAGE COURSES**
- **TUITION NURSERY TO 10TH (ALL SUBJECTS)**
  WEBSITE: https://learninghubshahabad.in

🚀 6. Deployment

- Frontend Deployment: Netlify / Vercel
- Backend Deployment: Render / Railway / AWS
- Environment Variables (.env)
- GitHub se Auto Deploy karna

🎓 7. Final Project Ideas

- Portfolio Website
- Blog App (with CRUD)
- E-commerce Store (with cart + login)
- Social Media Clone
- Chat App (Socket.io)

💡 8. Extra / Bonus Topics

- TypeScript basics
- API Testing (Postman)
- Tailwind CSS / Bootstrap
- GitHub Actions (CI/CD)
- Web Hosting aur Domain linking