Saylani Mass IT Training

COURSE OUTLINE FORM

Course Title: Web & Mobile Hybrid App Development

Total Course Duration: 12 Months

Title: **Web & Mobile Hybrid App Development**

Edition: **Current**

Author: **SMIT Trainers**

Publisher: **Saylani Mass IT Training**

Outline layout created by: **Abdullah**

Materials: **HTML & CSS** by Jon Duckett, **A Smarter Way to Learn JavaScript** by.

COURSE OBJECTIVES:

1.   Understand the global Developers life cycle and the logistics environment.
2.   Identify and explain quality control principles.
3.   Demonstrate effective workplace communications, computer skills, teamwork, and professional workplace behaviors to solve problems in the Programming field.

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Module-1: Web Designing

Pre-requisites (Matriculation & Basic Know How of Computer)

Duration: (2 Months – 96 Hours)

1. Html5
2. Css3
3. CSS Variables
4. CSS Animations
5. Media queries
6. Flex box
7. Grid system
8. Font Awesome
9. Bootstrap
10. Google Fonts
11. Netlify Hosting
12. Github
13. Github Hosting
14. Surge hosting
15. Domain & Hosing Subscription (Deployment)

Quiz: HTML5

Quiz-1

Quiz: CSS3

Quiz-1

Module-2: Front-End Development

Pre-requisite (Module 01)

Duration (4 months – 192 Hours)

16. JavaScript
17. Advanced Javascript (All ES Versions)
18. Advance Github
19. Firebase
    Auth
    Firestore
    Storage
20. PWA (pwabuilder.com)

Quiz: JavaScript

Quiz-Jaz1
Quiz- Jaz2
Quiz- Jaz3
Quiz- Jaz4

Module-3: Modern Front-End Development

Pre-requisite (Module 01, 02)

Duration (3 months – 144 Hours)

21. ReactJS (Create react app, vite)
22. Tailwind CSS
23. Material, AntD
24. NextJS (SSR, AMP) (**Need Session**)
25. React Native (Android)
26. Firebase

Quiz: React

Quiz-React

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Module 04: Back-End App Development

Prereq (Module 02)

Duration (3 months – 144 Hours)

27. NodeJS (ExpressJS)

   Basic Routes

   Database Connection

   CRUD with MongoDB

   Authentication

   Middleware

   Protected Routes

   FS

28. JWT

29. WebSocket

30. Bcrypt

31. Cloudinary

32. MongoDB

33. GraphQL

34. PostGresSQL

35. Sequelize

36. Payment Integration

Quiz: Back-End

Quiz-Node-js & MongoDB