

Module B Complete Syllabus

1. Advance JS

1. var, let, const
2. hoisting
3. Template Literals
4. ternary operators
5. Short Circuits
6. Spread Operators & Rest operators
7. Destructuring of Array
8. Destructuring of Object
9. Pass By value and Pass By Reference
10. Object Methods
 - a) Keys
 - b) Values
 - c) Freeze
 - d) Entries
11. ===== Functions =====
 - a) Arrow function
 - b) Higher order function
 - c) default perimeter
12. ===== Array Methods =====
 - a) Map()
 - b) Filter()
 - c) ForEach()
 - d) Find()
 - e) Reduce()
 - f) findIndex()
 - g) some()
 - h) every()

Module B Complete Syllabus

- 13. new promise()
- 14. async await
- 15. Fetch()
 - a) News App
 - b) Weather App
 - c) Github User Finder App

2. React JS

- 17. React JS
 - a) Class Components vs Functional Components
 - b) Multiple Components
 - c) Props
 - d) useState() → hook
 - a) Todo App (Assignment)
 - e) Material UI
 - f) build and firebase, netlify & vercel deployment
 - g) React Router
 - i. Basic routing
 - ii. Nested routing
 - iii. Protected routes
 - iv. Dynamic routes
- 15. login/signup (Assignment)
- 16. useEffect() axios
 - a) E-Commerce App
 - b) Weather App (Assignment)
- 17. Firebase Database/Authentication
- 18. Todo App with firebase Database and Auth (Assignment)
- 19. React Redux / Redux Toolkit@latest

Module B Complete Syllabus

- a) Counter App
- b) Login SignUp
- d) Add to cart functionality

20. Boiler Plate:-

- a) Navigation
- b) screens
- c) login
- d) signup
- e) dashboard
- f) Components
- g) Input
- h) Button
- i) Table
- j) switch
- k) checkbox
- l) radio
- m) table
- n) form grid
- o) modal
- p) show message

23. **Mini Hackathon**

3. React Native

25. React Native Installation

26. UI

Module B Complete Syllabus

- 27. Style and basic components
- 28. Native Base, React Native Element
- 29. Text Input
- 30. Text
- 31. View
- 32. Scroll View
- 33. Touchable Opacity
- 34. Toast Android
- 35. Alert
- 36. Button
- 37. Icons
- 38. React native Navigation
- 39. hardware components Camera, Image picker
- 40. Axios API Handling
- 41. Async storage
- 42. Firebase (authentication)
- 47. Release APK

4. Back end

- 48. Node JS (Core)
- 49. Express JS 50. Server
- 51. Local APIs
- 52. Routers
- 53. Modules (Import/Export)

Module B Complete Syllabus

- 54. MongoDB
- 55. Connection with mongoose
- 56. basic API (Post,Get,Put,Delete)
- 57. Authentication (with JWT)
- 58. bcryptJS for password hashing
- 59. Backend Deployment

5. TypeScript

- 61. type casting
- 62. Type annotation
- 63. types in typescript
- 64. interfaces
- 65. classes & Inheritance
- 66. generics
- 67. Enums

6. Next JS

- 68. Layout of Nextjs
- 69. client-side vs server-side rendering
- 70. use client keyword
- 71. file-based Routing
- 72. backend (optional)

X-----X-----Ends Here-----X-----X-----

-