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()

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. bycrptJS 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)

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