

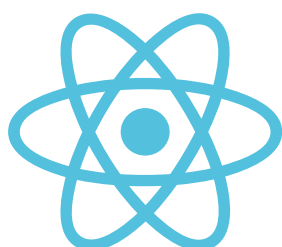


IDM TECHPARK

GUIDE'S FOR PERFECT CAREER PATHWAY



React Native Course Syllabus



N.S.D.C.
National
Skill Development
Corporation



**1**

About Us

IDMTECHPARK global retail & corporate training solutions provider in Coimbatore, Erode, Trichy & Salem that offers a comprehensive range of training and placement services for both fresher's and professionals seeking new opportunities. The company commenced its IT training business in 2016. A pioneer in IT education, over the years, we have trained over 50k students. Idmtechpark has a wide range of courses, maintains education standards & provides placement assistance.

www.idmtechparkcoimbatore.com
www.idmtechparkerode.com

+91 9585305700



About IDMTECHpark Education Quality

IDMTECHPARK is managed and developed by industry specialists with more than 8 years of expertise in the field. IDMTECHPARK offers a staff of highly skilled professional trainers who deliver effective IT training in a friendly setting, concentrating on the needs of each individual to help them succeed in a demanding work world. In the book of career and success, our staff never leaves a page unturned.

www.idmtechparkcoimbatore.com
www.idmtechparkerode.com

+91 9585305700

IDMTECHPARK's versatile instructor-led training class rooms and lower-class sizes enable people to engage more easily and absorb knowledge, resulting in remarkable results for both themselves and the organizations for which they work. Our training programmes are adaptable and customizable to ensure that each participant gets the most out of their time with us. IDMTECHPARK focuses in providing hands-on IT training in over 30 different courses.

- We teach in-demand courses
- We provide impactful learning material
- Our teachers are well-selected & trained
- We follow world-class teaching methods
- Our courses include E-Projects
- We conduct technical workshops
- Exams are held and based on Exams providing Certification
- Certificates are recognized the world over
- Our course timings are flexible



3

Our Recent Placement

Idmtechpark assists students in getting job placements on successful completion of their courses. Idmtechpark also provides recruitment assistance to organizations. Idmtechpark students are shortlisted based on the organization's requirement. To make students job-ready, Idmtechpark conducts workshops e.g. How to do Group Discussions, how to behave in a Personal Interview. From time to time, job fairs & campus recruitments are conducted. Workplace skills such as time management, making effective presentations and communication skills are also provided. All this helps students find appropriate jobs in the IT industry while also helping save companies recruitment costs.

Krishnaveni M

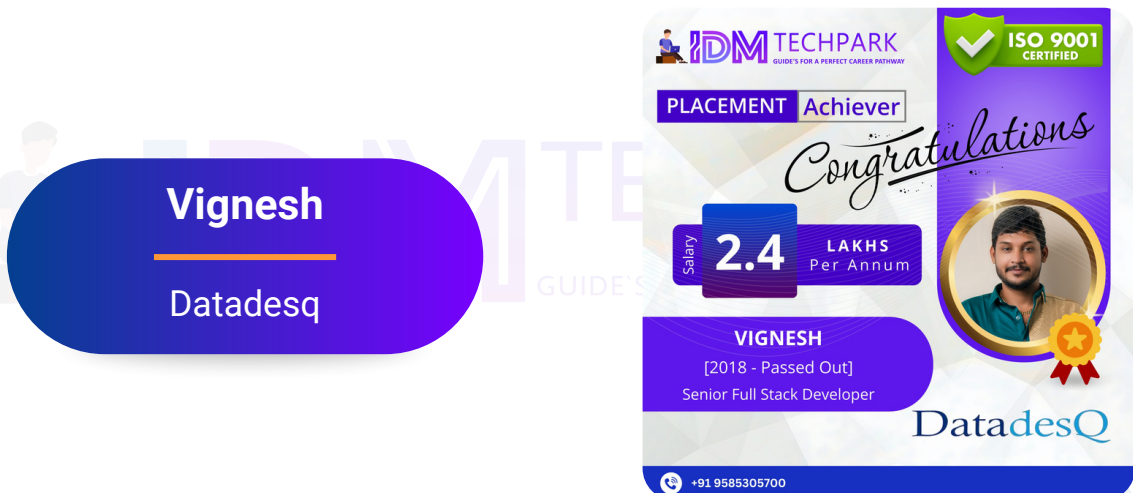
Frutterlabs





Joshwa

Xccessor



Vignesh

Datadesq



Madhumitha

Accenture

Keerthana

AJS



Brindha Boopathi

AJS



Kavin Kumar

AJS

Ajithkumar

AJS



Gowthami

Genpact



Surya

ZUCI

Pavithra

Vel Info Tech



Poovitha

Gray Matter



Ramesh

TDT

Siva Sankar
ST Cloudspark tech



Nabeel Hisham
VTail

Kalayarasan
Violet Infotech



4

Our Alumni Working At



MODULE 1

Introduction to React Native

- What is React Native?
- React Native vs Native Apps vs Flutter
- Setting up development environment (Expo & CLI)
- First React Native app

MODULE 2

React Native Project Structure

- Folder structure
- App.js vs index.js
- Components vs Screens
- Android/iOS platform folders

MODULE 3

Components and JSX

- Functional components
- Props and state
- JSX basics and rendering lists

MODULE 4

Styling in React Native

- Inline vs StyleSheet API
- Flexbox layout
- Platform-specific styling
- Dark mode support

MODULE 5

Navigation (React Navigation)

- Stack Navigator
- Tab Navigator
- Drawer Navigator
- Passing data between screens

MODULE 6

User Input and Forms

- TextInput, Switch, Picker
- Handling form inputs
- Keyboard handling

MODULE 7

useState and useEffect Hooks

- Managing local state
- Side effects and API calls
- Conditional rendering

MODULE 8

Fetching Data from APIs

- Using fetch and axios
- GET/POST requests
- Displaying data with FlatList

MODULE 9

FlatList, ScrollView, and SectionList

- Efficient rendering with FlatList
- ScrollView use cases
- SectionList for grouped data

MODULE 10

Custom Components & Props Drilling

- Reusable button, card, input components
- Props and children
- Component communication

MODULE 11

React Context API

- Global state management
- Creating and using context
- Avoiding prop drilling



IDM TECHPARK
GUIDE'S FOR PERFECT CAREER PATHWAY

MODULE 12

Platform-Specific Code

- Platform module
- iOS vs Android styling and components
- Conditional rendering

MODULE 13

Device Integration

- Camera and Gallery access (Expo ImagePicker)
- Location access (Expo Location)
- Permissions handling



IDM TECHPARK
GUIDE'S FOR PERFECT CAREER PATHWAY

MODULE 14

Authentication

- Login/Signup screens
- Token-based auth (JWT)
- Firebase Auth or Auth0



IDM TECHPARK
GUIDE'S FOR PERFECT CAREER PATHWAY

MODULE 15

Navigation Guards & Protected Routes

- Auth flow using Stack Navigator
- Conditional navigation
- Splash screens

MODULE 16

AsyncStorage & Secure Storage

- Local data storage
- Storing login tokens
- Encrypting sensitive data

MODULE 17

Forms with Validation

- Formik + Yup
- Error messages
- Submitting forms to API

MODULE 18

File Uploads and Downloads

- Uploading images or files
- Download files to device
- Progress indicators

MODULE 19

Push Notifications

- Setting up Expo push notifications
- Handling notifications
- Background/foreground messages



IDM TECHPARK
GUIDE'S FOR PERFECT CAREER PATHWAY

MODULE 20

Real-time Chat with Firebase or Socket.IO

- Realtime DB or WebSocket integration
- Chat UI with Gifted Chat
- Typing and read indicators

MODULE 21

Maps and Geolocation

- MapView and Markers
- User's current location
- Directions and geofencing

MODULE 22

Animations and Transitions

- Animated API
- Layout animations
- Reanimated / Lottie animations

MODULE 23

Building & Testing Apps

- Debugging with React Native Debugger
- Unit & UI testing (Jest, Detox)
- Device testing with Expo Go

MODULE 24

Publishing Apps

- Generating Android APK and AAB
- iOS build with Xcode or EAS Build
- Play Store / App Store deployment



IDM TECHPARK
GUIDE'S FOR PERFECT CAREER PATHWAY

MODULE 25

Capstone Project – Build a Complete Mobile App

- Real-world domain (e.g., eCommerce, Social Media, Booking)
- Full app with Auth, API, Navigation, Animations
- Submit to GitHub or deploy to stores

Thank You

+91 9585305700

www.idmtechparkcoimbatore.com

www.idmtechparkerode.com