Big Careers Technologies

Mobile Development Bootcamp

COMPUTER & INTERNET BASICS

- Basics of computers
- Basic of oops, variables, and loops
- Tcp/ip, udp, http,(browser, server, dns
- How to setup environment in ide

MOBILE DEVELOPMENT

- **Mobile development framework : Flutter**
- Introduction to flutter
- Flutter for Mobile and Web Development using single codebase
- Installations – JDK, Android Studio, Flutter & Dart SDK
- Dart Programming with flutter
- Debugging Flutter apps
- Flutter Widgets, Responsive and Adaptive User Interface
- Flutter State Management, Routing and Navigation & Flutter Animations
- Connecting Backend and sending HTTP requests & Firebase Authentication on Flutter
- Building Complete Mobile App using Flutter with Firebase
- Push Notification

- **Mobile development framework : React Native**
- Introduction to React Native
- Debugging React Native Apps
- Components, Layouts and Styling
- Building adaptive User Interface
- Navigation with React Navigation
- State Management with Redux & Context API
- Sending HTTP Request & User Authentication
- Using Native Device Features like Locations, Camera etc.,
- Push Notification

- **Android Development**
- Introduction to android development
- Views, Widgets, Layouts & Fragments
- UI Development & User Interaction
- Networking - HTTP requests & RESTful APIs
- iOS Development
- Introduction to iOS Development
- View Controllers - UIViewController,

- Navigation controllers & Tab bar controllers
- UI Development & User Interaction
- Handling app permissions & Auto Layout
- Constraints and layouts
- Networking - URLSession & RESTful API integration
- Model-View-Controller (MVC) - App architechture

AGILE BASICS

- JIRA burndown hours
- Burndown chart/report
- Retrospection
- Sprint Planning
- Sprint mid review
- Sprint demo
- Sprint health check
- JIRA agile tool
- JIRA, Scrum
- Kanban scrum
- Xtream Programming, TDD (Test Driven Development)

REAL-TIME PROJECT

- SCRUM team Formed for a group of 10
- A Business use case problem / Client App with proper documentation is provided
- Project overview and technology walkthrough with help of a mentor
- A JIRA tool will be provided to run a sprint, backlog, grooming and demo
- Technical help on need basis will be provided for those who are needy

FREE ENVIRONMENT TOOLS

- EC2, S3 BUCKET, ASES, A PROFESSIONAL EMAIL, JIRA ACCESS FOR AGILE, BUGS AND PROJECT MANAGEMENTB, SCRUM BOARD, AMAZON GATEWAY, EKS, AWS OPEN SEARCH, MYSQL, DOCUMENTDB, KEYCLOAK USERMANAGEMENT, MARIADB, DYNAMODB, AWS ACCOUNTS FOR EACH USER