



Duration: 40 hrs

Eligibility: Any one who is interested in Android Apps development? (Minimum: Xth (SSC) pass/fail)

Fees: Rs. 2500/-

1. Basic Java & XML Topics for Android

- a. Class, Object, Variables
- b. Inheritance
- c. Interface
- d. Casting
- e. Collection Classes
- f. Generic Classes
- g. Android Related Topics
- h. XML Basics

2. Android Studio Setup

- a. Android Studio Installation
- b. Android Architectures
- c. Application Components
- d. Gradle File
- e. Hello World Example
- f. Project File Structure

3. Android UI

- a. UI Layout basic
- b. Different types of layouts
- c. Linear Layout
- d. Relative Layout
- e. Layout Attributes
- f. Table Layout

4. UI Controls and Attributes

- a. TextView
- b. EditText
- c. Button
- d. CheckBox
- e. RadioButton
- f. ImageView

5. Style and Themes

- a. Defining Styles
- b. Using Styles in layout
- c. Style Inheritance
- d. Android Themes
- e. Default Style and Themes

6. Event Handling

- a. Event listeners and handlers
- b. Event listeners and registration

7. Intents and Different Screens

- a. Intent Objects
- b. Android Intent Standard Action
- c. Types of Intent
- d. Passing Data with Intent

8. List View and Grid View

- a. Listview Attributes
- b. Array Adapter
- c. Gridview attributes
- d. Static data display

9. Android Storage

- a. Sqlite Database
- b. Saving Data
- c. Viewing Saved Data
- d. Update Data
- e. Delete Data
- f. Search Data

10. Making One Apps