

Mobile Application Development Using Android

1st unit

Essays

1. Android Architecture.
2. Android Activity life cycle.
3. Android features and different Applications in Android.
4. How to install android studio

Shorts

1. History of an Android.
2. Android version.
3. How to create first Android Application.
4. Define Emulator
5. How to create android virtual device

2nd unit

Essays

1. Anatomy of an Android (Components) applications.
2. Android UI Controls.
3. Intents in android
4. Application Context in Android.
5. The Android manifest file.

Shorts

1. Terminologies correlated to Android.
2. Activities in android
3. services in android
4. Broadcast Receivers.

3rd unit

Essays

1. User interfaces screen elements.
2. Different User interface layouts.
3. Input controls (buttons, check boxes, radio buttons, toggle buttons).
4. Creating animation.

Shorts

1. Linear Layout.
2. Constrain Layout.
3. Recycler view.
4. Input events
5. Grid view.

6. Toast messaging

4th unit

Essays

1. Publishing android application in play store.
2. Using Android shared preferences.
3. Working with different types of resources.

Shorts

1. Managing application resources in a hierarchy.
2. Different values in resources.

5th unit

Essays

1. Different types of Android API.
2. Sharing data between Applications with Content Providers
3. Internal storage API.
4. Managing database using SQLite.
5. Android network API'S.

Shorts

1. JSON Parsing.
2. Android telephone API.
3. Android web API.
4. Google maps.
5. Define SQLite database.