

TYIT / TYCS – Developing Android Apps with Kotlin

Day 01: 06-01-2024 (Saturday)

- AI VS ML VS DL
- Types of Machine Learning – Supervised, Unsupervised, Reinforcement Learning
- Introduction to developing Android Apps with Kotlin and AMP as university Subject
- Common notes on Android

Day 02: 13-01-2024 (Saturday)

- View & ViewGroups
- LinearLayout
- Android Application Architecture
 - AndroidManifest.xml
 - Java – code folder
 - Res – resources folder
 - build.gradle (app level)
 - build.gradle (project level)
- Show Toast On Back Button Pressed
- Create multiple Activities
- Navigate from one activity to another using Intent
- Explicit & Implicit Intent
- Passing Data through Intents.
- Create an android application to pass the data from one activity to another activity in the same application using intent.
- Create an android application to display Toast on pressing the Back button.
- wrap_content, match_parent, sp, dp – size units in android

Day 03: 03-02-2024 (Saturday)

- Activity, Content Provider, Broadcast Receiver, Service
- Practical 01 & Practical 02 – As per MU Syllabus
- Create an android application to pass the data from current application to another application using intent.
- Create an android application for the following menu items, the appropriate toast should appear by clicking on the item:
 - • Settings • Search • Compose Email • Feedback (make Compose Email item disabled)
- Create an android application to display Alert Dialog on pressing the Back button.
- Create an android application to generate any random number with some time delay using thread.
- Insert the new contents in the following resources and demonstrate their uses in the android application:
 - Android Resources: (Color, Theme, String, Drawable, Dimension, Image)

Day 04: 10-02-2024 (Saturday)

- Create the standard calculator application in android
- Create an android application using linear layout and insert 10 games in the list view and display the selected game in the text view.
- Create an android application using grid view layout and insert 6 images of different animals as the items and toast the animal's name by clicking the image.
- Create an android application to demonstrate the use of sub menu the toast should be appeared by selecting the sub menu item.