**MOBILE APPLICATION DEVELOPMENT**

**PROJECT ONE**

**(BLOG APP)**

This is one of two projects we will be working on during the short course duration. The second project will be your very own idea. I will guide you through the software development process from the abstract stage all the way to uploading the app on the Google Play Store.

**AIM**

The aim of the application is to allow registered users to manage their blog post on the platform.

This application is going to be developed based the following requirements:

1. Users should be allowed to login or use the application as guests
2. Registered users should be able to upload posts
3. Registered users should be able to comment, vote or report a post
4. Authors should be able to create, edit or delete posts from their account
5. Registered users should be able to reply to comments

**STEPS**

1. Create an Android application with any name of your choice
2. Select a minimum API level of 21 (i.e. to make use of the Material Design principles introduced by Google)
3. Use the “Empty Activity” template
4. \*The application will be divided into 4 modules (model, core, view, viewmodel)
5. \*Introduction to MVVM (Model View ViewModel) pattern
6. \*Introduction to Application Components
7. \*Introduction to Intent & Intent Filters
8. \*Introduction to databases (local & remote)
9. \*Introduction to Room Database
10. \*Introduction to Firebase
11. \*Introduction to Fragments
12. \*Introduction to Architecture Components (ViewModel & Navigation UI)
13. Create fragments for the following interfaces:
14. Welcome
15. Login
16. Registration
17. Home
18. Add post
19. Post details
20. Comment dialog