

# **EEE3457 Object-oriented and Mobile Device Programming**

## **Mini-Project Brief**

### **Objectives**

Design and develop mobile apps by integrating techniques learnt in the module.

### **Instructions**

1. You are required to form group of two students to complete the mini-project.
2. You are required to submit proposal, prototype, final product and report according to the schedule given.

| Work to submit         | Lesson | Assessment Component |
|------------------------|--------|----------------------|
| Proposal               | 4      | Assignment           |
| Prototype/Interim Viva | 7 - 10 | EA                   |
| Final Product/ Demo    | 11 -13 | EA                   |
| Report / Proof of work | 12 -13 | EA                   |

3. Work of different phase will contribute to different assessment components of this module as shown above.
4. You have to submit your project report in hardcopy. And then upload the softcopy of project report, Android Studio project folder and proof of work (in video format, limited to 2 mins) to Moodle. Only ONE submission per group is required.

### **Requirements**

1. For EEE3457, you have to develop apps for Android.
2. Your apps can be one of the following categories: utilities, education, commercial application (e-catalog), multimedia application, or any others as supported by lecturer.
3. In your apps, you should cover areas listed below (at least 3 are required):
  - Graphical and textual apps
  - Multimedia
  - Web services
  - Location based services

**Marks allocation:**

|                     | Assignment      | EA              |
|---------------------|-----------------|-----------------|
| Proposal            | 30% of CA marks |                 |
| Overall Performance |                 | 50% of EA marks |
| Final Product/ Demo |                 | 25% of EA marks |
| Report              |                 | 25% of EA marks |

**Format of Proposal and Report:**

| Item  | Proposal | Report |
|---|----------|--------|
| Cover Page  | √        | √      |
| Table of Content  | √        | √      |
| Project Description   | √        | √      |
| UI Design and App Flow (to illustrate the user interaction)   | √        |        |
| Screen snapshots with brief descriptions  |          | √      |
| Works Schedule (use timeline or gantt chart to present)<br>Ref: <a href="https://create.microsoft.com/en-us/templates/gantt-charts">https://create.microsoft.com/en-us/templates/gantt-charts</a> | √        | √      |
| Works Distribution (use table to present the duties of each member)   | √        | √      |
| Difficulties & Solutions (individual)   |          | √      |
| Project Enhancement   |          | √      |
| References  |          | √      |

HONG KONG INSTITUTE OF VOCATIONAL EDUCATION  
(HAKING WONG / SHA TIN)

ENGINEERING DISCIPLINE

DEPARTMENT OF  
ENGINEERING

Higher Diploma in Computer & Electronic Engineering

Programme Code EG114403

**Your Project Title should be placed here**

EEE3457 Object-oriented & Mobile Device Programming  
Mini Project Report

Student: **Student's name / no. here**

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April 2024