Android App. Design Project

Project Overview

- **Objective:**
  - Develop your application on the **Android platform**.

- **Language:**
  - You may use **either Java or Kotlin** — the choice is yours.

- **Topic:**
  - The **project topic is completely open**.
  - You are free to design any creative or practical application idea.

- **Platform:**
  - Applications for **smartphones, tablet PCs, and smart TVs** are all acceptable.

Project Overview

- **Submissions and Demo:**
  - The project will be submitted **twice**:
    - **Project Proposal** – including the app idea and XML-based UI design
    - **Final Report** – with the complete and functional Android application
  - You must also give **one live or recorded demonstration** of your final app.

- **Evaluation Criteria:**
  - **Difficulty**: complexity and technical depth of your implementation
  - **Originality**: creativity and uniqueness of your idea

- **Project Rules:**
  - This is **not a team project** — each student must work individually.
  - **Any form of plagiarism is strictly prohibited**.

Project Schedule

- **1. Proposal – due 16 Nov.**
  - Include **Introduction** and **UI scenario** (PPT or XML layout).
  - Submit a **report** through **KLAS**.
  - This proposal should clearly describe the app idea and design concept.

- **2. Final Report – due 2 Dec.**
  - Include **Introduction, Main Features,** and **Running Examples.**
  - Submit both the **source code** and the **report** to **KLAS**.
  - The app should be fully functional and ready for demonstration.

- **3. Demonstration – 3 Dec.**
  - Run your app on **a smart device** or an **Android Virtual Device (AVD)**.

Project Proposal

- **Objective:**
  - Define your application idea and design the UI layout for Android.

- **Contents:**
  - **Introduction**: Describe the app's purpose and target users.
  - **UI Scenario**: Show the main screens using **PowerPoint or XML layouts** in Android Studio.
  - **Feature Plan**: List the main features you plan to implement later.

- **Deliverables:**
  - A **proposal report** (PDF)

- **Evaluation Focus:**
  - Clarity of idea and purpose
  - UI design quality (layout, consistency)
  - Creativity and feasibility

Final Report

- **Objective:**
  - Complete and submit your fully functional Android app with documentation.

- **Contents:**
  - **Introduction** (recap of your app idea)
  - **Main Features** and how they work
  - **Running Examples** with screenshots or brief explanations

- **Deliverables:**
  - **Source code** (Android Studio project)
  - **Final report** (PDF)

- **Evaluation Focus:**
  - Functionality and stability of the app
  - Creativity and technical depth

Demonstration

- **Objective:**
  - Present and demonstrate your completed Android app.

- **Requirements:**
  - Run the app on a **smart device (phone/tablet)** or an **AVD** on your PC.
  - **Show your report** during the presentation.
  - Be ready to answer **technical questions** about your implementation.

- **Tips for Success:**
  - **Test** your app **in advance** to ensure smooth execution.
  - **Focus on key features** rather than every detail.
  - **Highlight** what makes your app **unique**.