RK University
School of Engineering
Bachelor of Computer Applications
Mobile Application Development using Android – BCA622

Project Based Assessment

General Instructions for Students

1. Students must participate in all exams on declared timetable.

2. Follow the deadlines strictly for every submission, late submission may cause loss of marks.

3. Copied code and designs will not be allowed to be submitted.

1. Students **must make a pair or a group of 3 for their project title** and work collaboratively as per the based on their title and inputs from subject faculty.

2. Students will receive a fixed set of functionalities that they **must implement** as part of their project for evaluation.

3. Students must get approval for their project title and concept from the faculty **before the CIE 1 exam.**

4. Students have to submit the following during the exams:

    i. **Title of the Project**

    ii. **Design with Proper Controls**

    iii. **List of All Functionalities/Features of the Project**

    iv. **Final Project File (APK File)**

CIE – I: App Design Submission (Presentation)

Task: Submit a well-documented and detailed design of your app.

5. Students must prepare a clear wireframe or mockup for every screen of the app.

6. Clearly explain the workflow and user navigation in the app using design.

7. Ensure that your design focuses on user experience, with an easy-to-understand interface.

8. Students should include a brief explanation of the tools and techniques used for designing (e.g., Figma).

9. Review the rubric provided, as it outlines the criteria for how your design and how accurately it is presented, based on that it will be graded.

CIE – II: Functional Prototype Submission

Task: Submit a partially working prototype of the app.

1. Students must ensure that most core features of the app are implemented and functioning.

2. Submit a build of the app (APK file) alongside the source code for evaluation.

3. Include basic error handling and ensure the app does not crash during basic operations.

4. Make sure the app meets performance standards such as quick loading times and smooth navigation.

5. Pay attention to the rubric provided for this exam to ensure you address all required aspects of functionality.

TSEE: Final Full-Fledged App Submission

Task: Submit a complete, deployable app that meets professional standards.

1. Students must develop and test the app thoroughly to ensure it works flawlessly on multiple devices.

2. Ensure that all features and functionalities are implemented as planned in the design phase.

3. Optimize the app for performance, memory usage, and responsiveness across various screen sizes.

4. Students should remove all bugs and test the app for edge cases to ensure error-free performance.

5. Submit the complete project folder, including:

   o Source code.

   o APK file for testing.

6. Students must demonstrate innovation by adding unique features or enhancements beyond basic requirements.

7. Final submissions should reflect professional quality and be ready for real-world usage.

Additional Guidelines for Students

- **Collaboration (if in teams):** Clearly define roles and responsibilities. Every student must contribute actively to the project. All the participants must have idea about whole project and based on question and answer, marks can be differed from student to student in a group/pair.

- **Originality:** Students should strive to develop unique apps that address specific problems or provide innovative solutions.