

University Of Vavuniya
Faculty Of Technological Studios
Department Of ICT

TICT4242- Mobile Application Development

Tutorial 07

Answer All Questions(100 marks)

01. Create a mobile application(Study Planner App) using React Native (with Expo) that helps students organize and manage their study schedule, tasks, and exams.(Calendar Screen, Task Management Screen , Settings Screen ,HomeScreen interfaces and you can add other interfaces as per your wish). Develop a Study Planner and Organizer app that includes the following key features(100 marks).

Calendar Integration: A calendar where students can view their classes, exams, and other important events.

Task Management: Students can create, edit, and mark tasks as complete (e.g., homework, assignments, exams).

Customization: The app should allow students to customize their schedule, such as adding/removing classes, adjusting reminder times, etc.

Technical Requirements:

- State Management: Use React's useState and Context API for state management.
- App Navigation: Implement app navigation using React Navigation (tab navigation or stack navigation).
- Styling: Ensure the app is visually appealing, user-friendly, and responsive.

Screenshots and Documentation Instructions

Take step-by-step screenshots throughout the development process to demonstrate your progress. Start by capturing the project setup right after creating the project. Then, take a screenshot of the file structure once you have set up the necessary files in your code editor. After completing the

code, capture the final version of the code in App.js. Next, showcase the app in action by taking screenshots of the initial screen with empty input fields, followed by another screenshot after entering values and clicking the Calculate Average button. Finally, if the user provides invalid inputs, take a screenshot of the alert message that appears. Once you have all the screenshots, insert them in sequence into a Word or Google Docs document, ensuring that each screenshot is accompanied by a caption briefly explaining what is shown. After organizing the content, export the document as a PDF. Rename the PDF using your registration number. Make sure to follow the submission guidelines provided on Google Classroom and verify that your submission meets all requirements.

