



ADAMA SCIENCE AND TECHNOLOGY UNIVERSITY
DEPARTMENT OF SOFTWARE ENGINEERING

**Course Title: Mobile Application Design and
Development**

Course code:SEng 3206.

Group Project Title and Description

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Title: Mode scope AI-Powered Emotional Analytic & Diary Platform

Description: Transform daily reflections into actionable insights with AI-driven mood tracking and visualization. It is an innovative diary application designed to leverage artificial intelligence for analyzing users' emotional states, translating them into intuitive emoji representations, and visualizing trends through interactive charts. Ideal for mental health advocates, productivity enthusiasts, or anyone seeking data-driven self-awareness, this platform bridges journaling with modern analytics.

Features:-

1. AI-Driven Mood Detection: Utilizes natural language processing (NLP) to analyze diary entries and categorize emotions (e.g., joy , stress , neutrality).
2. Dynamic Emoji Mapping: Automatically pairs detected moods with contextually relevant emojis for quick visual feedback.
3. Interactive Mood Charts: Visualize emotional patterns over days, weeks, or months with customization graphs and heat maps.

Programming Language: React Native

1. Due to its Cross-Platform Compatibility
2. for seamless performance
3. Faster Development with Hot Reloading
4. Uses JavaScript (Widely Used Language)