INTERNSHIP

APP DEVELOPMENT

Title: EMI Calculator – Android App Development Internship

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College: KITSW (Kakatiya Institute of Technology & Science for Warangal)

Internship Duration: [JUNE 1] – [JULY 15,2025]

Organization/Platform: [ApaxPlanet software Pvt Ltd]

Submission Date: [July 14,2025]

Acknowledgements

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I would like to express my sincere gratitude to everyone who supported and guided me throughout my App Development Internship.

First and foremost, I would like to thank my internship mentor and the organization for providing me with this valuable opportunity to work on a real-world Android project. Their continuous support, constructive feedback, and encouragement were instrumental in the successful completion of this project.

I would like to express my sincere gratitude to my mentor, faculty, and the internship platform for providing me with this opportunity to gain hands-on experience in Android app development. Their guidance and support helped me complete this project successfully.

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1.Introduction:

This internship aimed to help me learn and apply mobile app development skills by building a complete Android application. I worked on developing an EMI Calculator app to solve a real-life problem related to loan planning and budgetin

During my App Development Internship, I worked on building a fully functional Android application named EMI Calculator. The primary goal of this internship was to enhance my practical knowledge of mobile app development by gaining hands-on experience in designing, coding, testing, and deploying an application. This project helped me understand the complete lifecycle of app development, starting from planning and UI/UX design to logic implementation and documentation.

Throughout the internship, I learned how to build a responsive and user-friendly interface, implement real-time logic, handle input validations, and test the app on different screen sizes and devices. I also documented the project thoroughly and prepared it for deployment. Overall, this internship significantly improved my technical skills and gave me confidence in developing real-world Android applications**.**

2. Objective :

- Learn Android Studio and XML layouts
- Develop a utility-based app from scratch
- Understand app logic and UI/UX design
- Practice testing, version control, and deployment
- Document the entire development process

3. Tools & Technologies Used:

Technology	Purpose
Android Studio	App development IDE
Java / Kotlin	Programming language (choose one)
XML	Layout and UI design

Git & GitHub	Version control and repository
Firebase (if used)	Backend/database
Emulator or Device	App testing

4.Project Description:

The EMI Calculator is a simple Android app that allows users to calculate monthly EMIs for loans based on the entered loan amount, interest rate, and tenure. The app also provides total interest and total repayment values. It is helpful for students, employees, or business users managing loans

5. Features :

- User-friendly interface
- Instant EMI calculation
- Total interest and repayment breakdown
- Reset button to clear fields
- Offline access

6. App Architecture:

The app uses a single activity model with separate methods to handle user inputs, EMI calculation logic, and result display. The UI is designed using XML, and backend logic is implemented in Java/Kotlin.

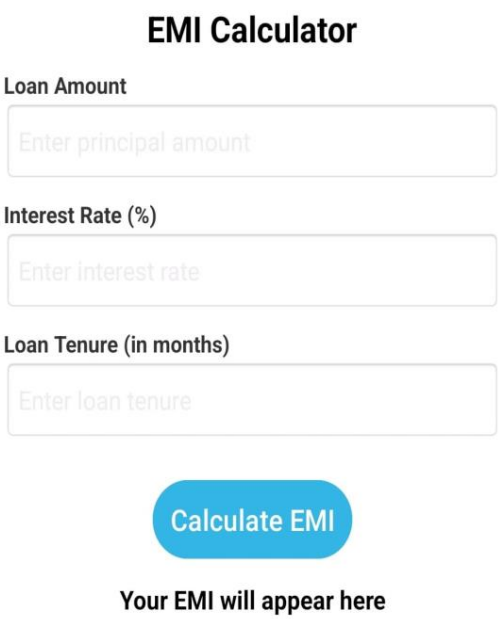
7.Screenshots:

- Home Screen

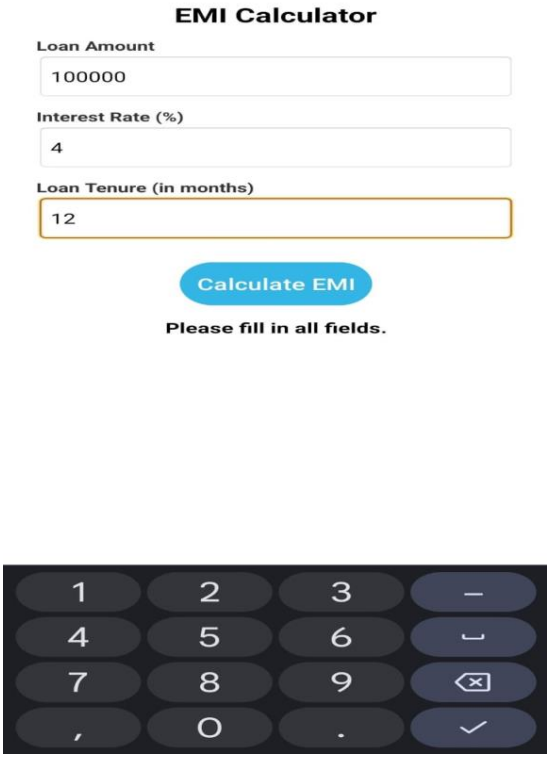
- Input Fields

- Result Display

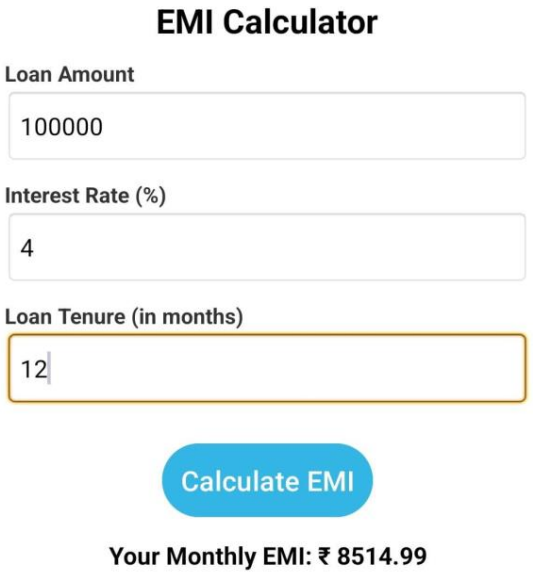
- Home Screen



Input Fields



Result Display



8.Challenges Faced & Solutions :

- Challenge: Layout issues in small screen sizes
- Solution: Used ScrollView and responsive design.

- Challenge: EMI formula implementation
- Solution: Understood and tested the formula in Java.

9.Learning Outcomes :

1. Hands-on Android App Development

Gained practical experience in building a complete Android application using Android Studio and Java.

2. UI/UX Design Skills

Learned how to design clean, user-friendly interfaces using XML layouts and proper design principles for mobile screens

3. EMI Calculation Logic Implementation

Understood and implemented real-world financial formulas (EMI logic) effectively in the backend of the app.

4.Understanding the App Development Lifecycle

Gained exposure to the entire app development cycle—from idea to deployment-ready product.

5. Confidence in Real-World Projects

Developed confidence to work on independent projects and contribute to real-world mobile applications.

10 .GitHub & Deployment Links :

- GitHubb Repository : https://github.com/hemanthodela/The-Final-app-code-documentation-and-deployment-links..git

11 .Conclusion :

This internship allowed me to apply theoretical knowledge in a real-world project. The EMI Calculator app helped me understand Android development, code structure, UI design, and project documentation. I'm confident this experience will benefit my future in software development.