The Final Project Presentation
[EMI Calculator]
Subtitle: Android App Development Internship Project

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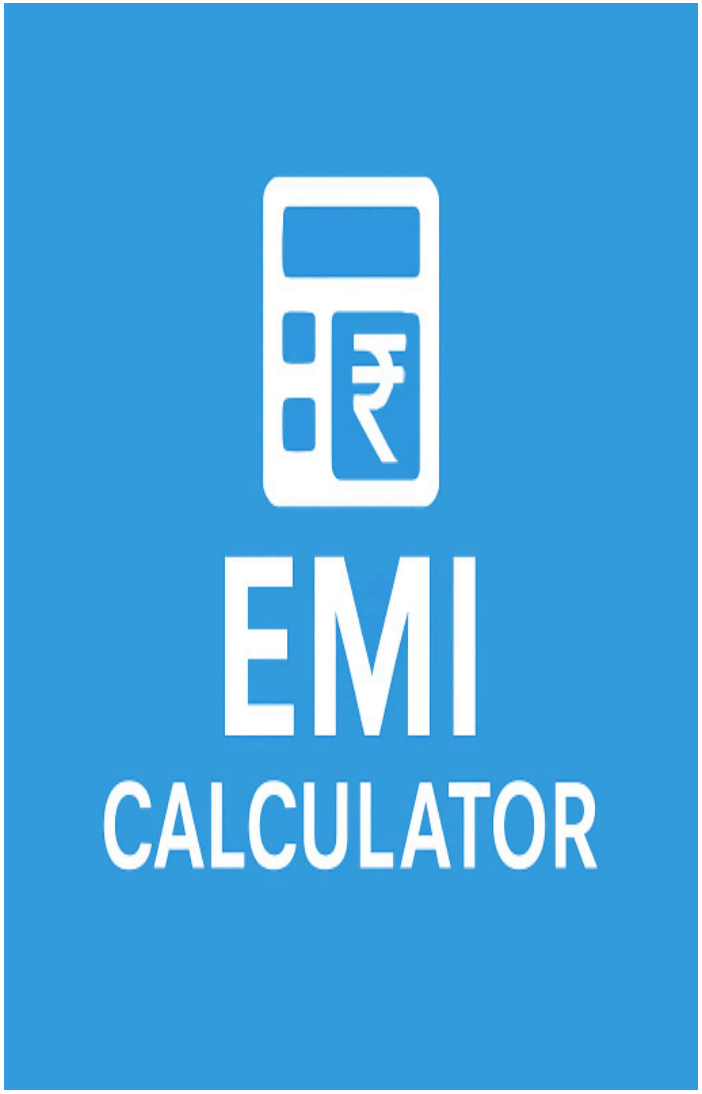
Institution/Organization: ApexPlanet Software Pvt Ltd

Introduction :

The EMI Calculator App is a mobile application developed using Android Studio that helps users easily calculate their monthly loan repayments (EMI – Equated Monthly Installment). Users can input the loan amount, interest rate, and loan tenure to instantly calculate the EMI. It's aimed at helping students, professionals, and financial planners make smart loan decisions.

This project was built using Android Studio, with a focus on clean UI design, reliable backend logic, and efficient calculations. The EMI Calculator not only improves user convenience but also strengthens core app development skills such as activity lifecycle management, layout design, input validation, and Java/Kotlin programming



Objectives and Goals

The main objective is to deliver a user-centric, efficient, and scalable system.

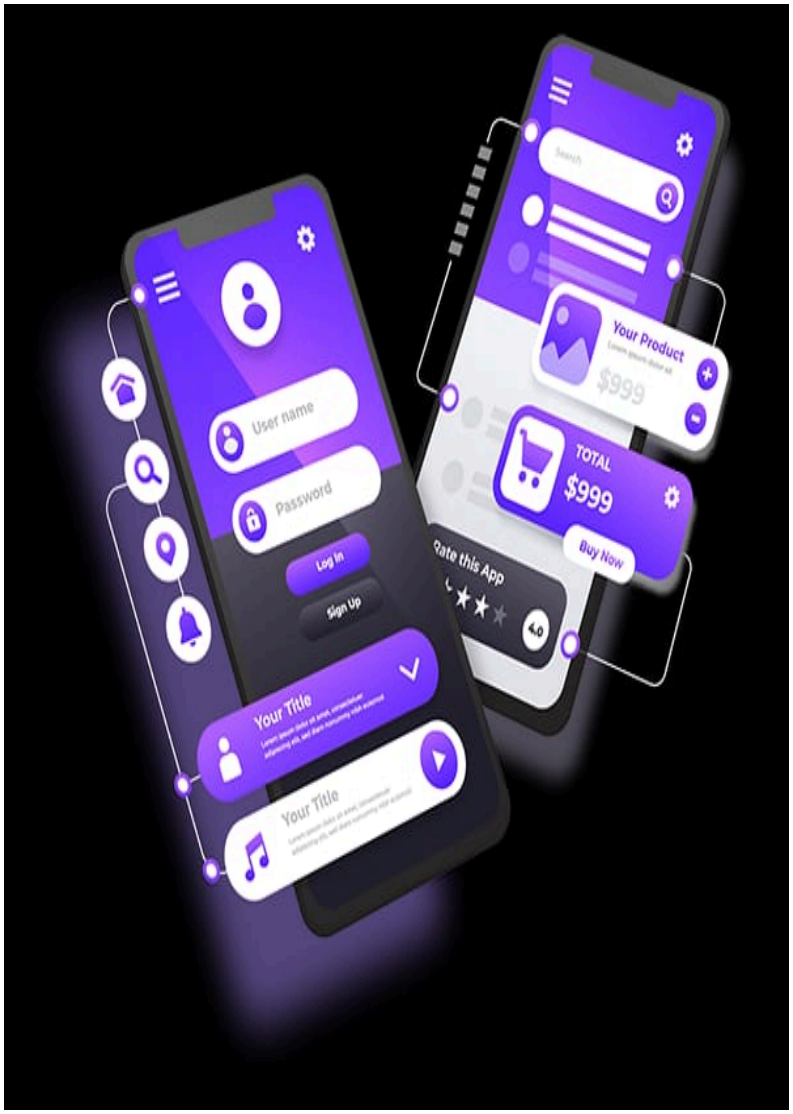
Goals include meeting client requirements and ensuring future expandability.

Success will be measured based on performance, usability, and stability.

Features Demonstration – Part 1

- What I Learned during This Internship

List major features:
✅ User Authentication (Login/Signup)
✅ Dashboard / Home Screen
✅ Push Notifications
✅ CRUD Functionality (Add, Delete, Update)
✅ Firebase Integration (Realtime DB / Firestore).



Features Demonstration – Part 2

🧮 EMI calculation based on user input

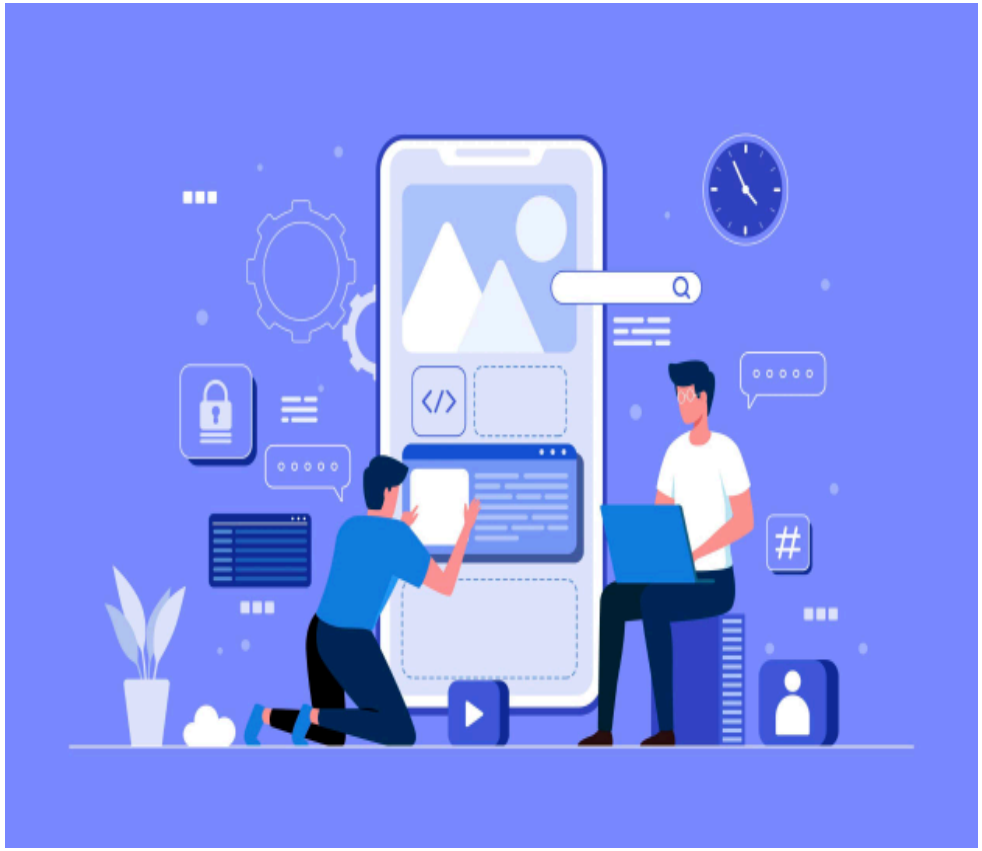
📱 User-friendly UI with input validation

🔁 Real-time results on input changes

🎨 Clear display of monthly EMI, total interest, and total payment

Architecture Overview

- Frontend: Java, XML
- IDE: Android Studio
- Backend (optional): Firebase (if user data is stored)
- Libraries/Tools: ConstraintLayout for UI designToasts, EditText, and Button widgetsGradle for build automation



Technical Components & Tools

- Language: Java
- UI Design: XML (ConstraintLayout)
- IDE: Android Studio
- Build System: Gradle
- Testing: Emulator & Real Device
- Version Control: Git & GitHub
- Deployment: APK / Google Play Store (if done.

Technical Challenges & Solutions

- Designing a clean and responsive UI layout
- Handling decimal inputs and invalid entries
- Ensuring accurate EMI formula calculations
- Learning Android Studio tools and debugging errors
- Used TextWatcher for real-time input updates
- Applied formula logic using Java functions
- Learned how to debug with Logcat
- Gained practical experience in mobile UI/UX design and deployment

Future Improvement :

- Add EMI breakdown chart (pie or bar chart)
- Save and export calculations
- Add dark mode and UI customization
- Multi-language support for regional use

Conclusion :

- The EMI Calculator App is a simple yet powerful Android application designed to help users calculate their monthly loan repayments with ease.Through this project, I gained hands-on experience in:
- Android app development using Java and XML.
- Designing a clean and responsive user interface.
- Implementing real-time calculations using standard financial formulas.
- Testing and deploying the app efficiently.
- This project not only improved my technical skills but also strengthened my problem-solving abilities and understanding of mobile application development lifecycle.

THANK YOU.....