Proposal for Building a Messaging Application and Web Portal

Overview

This proposal outlines the development plan for a cross-platform messaging application (iOS, Android) and a corresponding web portal. The app will have features similar to WhatsApp or Telegram, catering to modern communication needs. The proposal includes a modular breakdown of features, allowing flexibility in development and scalability.

Modules and Pricing

The table below details the proposed modules for the application, their descriptions, and estimated costs based on Indian market standards.

Module Name	Description	Estimated Cost (₹)
Core Messaging	One-on-one text messaging with delivery indicators (sent, delivered).	₹4,20,000
Media Sharing	Sharing images, videos, documents, and other files with real-time compression.	₹1,80,000
Read Receipts	Blue tick feature to indicate message read status.	₹90,000
Audio/Video Notes	Record and share audio/video messages within the chat.	₹1,80,000
Story/Status	Feature to post stories/status updates (text, image, video) visible for 24 hours.	₹2,40,000
Archive Chats	Option to archive and unarchive chats to organize conversations.	₹60,000
Group Chats	Create and manage group chats with admin controls and permissions.	₹1,20,000
Voice/Video Calls	High-quality voice and video calling, including group calls.	₹3,60,000
Community Feature	Build communities for users to interact (e.g., broadcast channels).	₹1,20,000
Push Notifications	Real-time notifications for messages, calls, and updates.	₹60,000
End-to-End Encryption	Secure encryption for all communication channels (messages, calls).	₹60,000

Search Functionality	Advanced search to find messages, contacts, and files across the app.	₹30,000
Web Portal	Synchronization with a web app for messaging, calling, and status updates.	₹1,56,000
Admin Panel	A backend portal to manage users, permissions, and analytics.	₹3,00,000
Dark Mode	Light and dark themes for better user experience.	₹60,000
Contact Sync	Automatic contact synchronization with the phone's address book.	₹60,000
Spam Detection	Algorithms to detect and report spam or unwanted messages.	₹1,80,000

Total Estimated Cost

Based on the modules listed, the total cost will depend on the selection of modules. A basic application with core messaging and media sharing features will start at ₹6,00,000, with the cost increasing as additional modules are included.

Feature Descriptions

Core Messaging

This is the fundamental feature of the app, enabling real-time text communication. It includes delivery status indicators (sent, delivered) and typing notifications.

Media Sharing

Users can share photos, videos, documents, and other file types. The feature will support file previews, compression for faster uploads, and downloads.

Read Receipts

The "blue tick" indicates that the recipient has read the message, enhancing communication transparency.

Audio/Video Notes

This feature allows users to quickly record and send audio or video messages, ideal for on-the-go communication.

Story/Status

A dynamic feature for users to share updates visible for 24 hours. Supports text, images, and video posts.

Archive Chats
Helps users organize their inbox by archiving inactive chats without deleting them.

Group Chats
Includes creating groups with admin controls, such as adding/removing members, assigning co-admins, and setting group rules.

Voice/Video Calls
High-quality voice and video calling with options for group calls. The feature will leverage WebRTC for seamless integration.

Community Feature
Allows the creation of broadcast channels or community groups where admins can share updates, announcements, or interact with users.

Push Notifications
Real-time notifications to alert users about incoming messages, calls, and app updates.

End-to-End Encryption
Ensures the highest level of data security, encrypting all communications.

Search Functionality
Provides users with a powerful search tool to locate messages, contacts, and files efficiently.

Web Portal
A synchronized web application for desktop users to access their chats, calls, and other app functionalities.

Admin Panel
A robust backend for the admin to manage app users, monitor activity, and generate reports.

Dark Mode
Offers an aesthetic and battery-saving theme for user comfort.

Spam Detection
Built-in algorithms to identify and block spam messages.

App Monetization
Options to generate revenue through ads, subscriptions, or in-app purchases.

Timeline

The estimated timeline for the development of the complete application (all modules) is 6-12 months, divided into the following phases:

- Phase 1: Requirement Gathering and Wireframing – 1 Month

- Phase 2: Core Features Development (Messaging, Media Sharing, Groups) – 3 Months

- Phase 3: Advanced Features (Calls, Status, Encryption) – 2 Months

- Phase 4: Testing, Debugging, and Deployment – 1-2 Months

Terms & Conditions.

1. Payment Terms:
    - 50% advance payment before project initiation.
    - 25% payment before starting testing round.
    - Final payment (remaining 25%) upon project completion and deployment.

2. AMC Renewal: The AMC is renewed annually and the first year's AMC payment will be due along with the remaining cost of the project.

3. Change Requests (CRs): Any new development or major feature additions not covered in the AMC will require a separate CR, and additional costs will apply based on the scope of the changes.

4. Additional Costs: Any additional feature requests or changes after the project scope is defined will be charged separately.

This includes development & deployment for iOS, Android & Web-Portal.
Third party cost (Amazon S3 bucket / Firebase) will be borne by client.
Other cost (App store cost, play store cost, Hosting, Domian) related to the app will be borne by client.
Any costs beyond development will be borne by the client.

Support & Maintenance.

- Annual Maintenance Contract (AMC): 20% of the total project cost.