Smart Location-Based Reminder System



Project Title

Content:

- A smart reminder system triggered by user's location
- Works on both mobile phones and smartwatches
- Uses AI to learn user behavior & generate smart suggestions
- •Example: At the grocery store, reminder: "Buy eggs" pops up with vibration

Problem Statement

- Content:
- People forget small but important tasks in busy li
- · Most reminder apps rely only on time, not location
- No popular app combines AI + location + smartwintegration
- Need for a smarter, context-aware reminder solu



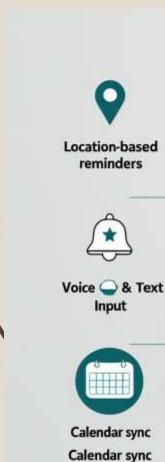
Project Objectives

- Content:
- Deliver reminders based on real-time locati
- Use AI to analyze user habits for personaliz
- Allow voice & text input to add reminders e
- Reduce stress and boost user productivity



Key Features

- **CONTENT:**
- LOCATION-BASED REMINDERS
- AI-BASED TASK SUGGESTIONS
- **Z** △□ VOICE & TEXT INPUT SUPPORT
- PUSH NOTIFICATIONS (WATCH & PHON
- CUSTOM LOCATION TRIGGERS
- 📋 CALENDAR SYNC SUPPORT
- III USER ACTIVITY HISTORY TRACKING







■ Mobile App Functionalities

- Content:
- Real-time GPS tracking for reminders
- Add/view reminders via voice or text
- Manage to-do lists (mark done, edit, etc.)
- Seamless interaction and intuitive UI



Smartwatch Features

- Content:
- Receive reminders without phone
- Vibration + popup on location match
- Use Siri/Google Assistant for input
- Mark task as done directly on watch



Technology Stack

- Content:
- Frontend: Flutter / React Native
- Backend: Node.js / Flask
- Database: Firebase / MongoDB
- Al: TensorFlow / PyTorch
- Location: Google Maps API / Mapbox
- Smartwatch: WearOS / WatchOS
- Voice Recognition: Google STT / Siri
- Notifications: FCM / OneSignal



- Content:
- Busy Professionals
- Students
- Health-Conscious Individuals



Benefits to Users

- Content:
- Smart, timely reminders reduce forgetfulness
- Personalized experience from Al
- Hands-free task addition via voice
- Cross-device sync (mobile & smartwatch)
- Less stress, better organization



Grocery Reminder

- Content:
- Reminder: "Buy milk"
- Map with location pin + reminder popup
- Notification on phone + smartwatch with vibration
- Watch showing "Buy milk" alert



Office Follow-Up

- Content:
- Al learns user reaches office at 10:00 AM
- At 10:05, sends reminder: "Send report to manager"
- User can act immediately from device



