DiagNote: AI-Powered Healthcare Mobile App - Project Plan Summary

Diag Note is a mobile application designed to assist **doctors, nurses, patients, and medical lab technicians (MLTs)** in improving healthcare workflows. It leverages **AI** to summarize patient history, provide preliminary diagnosis suggestions, and streamline communication among stakeholders.

1. Core Features by Role

Common Features (All Roles)

- **Registration & Login:** Secure authentication with role selection (Doctor, Nurse, Patient, MLT).
- **User Profile:** Completion with personal and professional details.
- **Navigation:** Standard Menu access (Home, Messages, Notifications, Profile, Logout).

Doctor Dashboard Features

- Search and view patient histories with **AI-generated summaries**.
- Access AI preliminary diagnosis suggestions and manually edit/confirm.
- Manage appointments and patient consultations.
- Send/receive lab requests to/from MLTs.
- Create and send prescriptions digitally.
- View lab reports and urgent alerts.

Nurse Dashboard Features

- View assigned patients and **update vitals**.
- Manage appointments and patient check-ins.
- Receive real-time doctor instructions.
- **Chat** functionality with doctors, patients, and MLTs.
- Receive emergency alerts and lab results.

Patient Dashboard Features

- Book and manage appointments.
- Access lab results and doctor's notes.
- View and manage prescriptions.

MLT (Lab Technician) Dashboard Features

- View and manage lab test requests.
- **Upload test results** with optional notes.
- Track pending and completed reports.
- Communicate with doctors and nurses.
- Receive urgent lab request alerts.