**Project Proposal Document**

**Project Title:** JobQuest – Job Search and Application Tracker

**Problem Statement:**

Job seekers often struggle to manage multiple applications, track deadlines, and follow up on opportunities efficiently. Disorganized processes lead to missed deadlines, duplicated efforts, and poor tracking of application progress. JobQuest centralizes job search management, enabling users to discover, apply, and track opportunities seamlessly.

**Objectives:**

1. Develop a mobile application for job searching and application tracking, Ensure native-platform compatibility (Android).
2. Enable users to save, categorize, and track application statuses (e.g., Applied, Interviewing, Rejected).
3. Implement reminders for deadlines and follow-ups via push notifications.
4. Provide a user-friendly UI with intuitive experience.
5. Integrate with job search APIs to fetch job listings dynamically.

**Target Users:**

* Job seekers looking for a structured way to manage job applications.
* Students and fresh graduates seeking internships and entry-level jobs.
* Professionals searching for new job opportunities.
* Companies that offers the jobs

**Technologies and Frameworks:**

- UI/UX: Figma

- Frontend: XML.

- Backend Logic: Kotlin, Java.

- Database: SQLite (local) or Firebase (cloud).

- APIs: GitHub Jobs, Reed.co.uk, or LinkedIn (if accessible).

- Push Notifications: Firebase Cloud Messaging (FCM).

- Tools: Android Studio, Postman (API testing).

**Expected Design Patterns:**

- MVC: Separate UI (View), business logic (Controller), and data (Model).

- Repository Pattern: Abstract data sources (API vs. local DB).

- Singleton: Manage database connections.

- Observer: Handle real-time notifications.

**High-Level System Overview:**

---