Work Breakdown Structure (WBS)

1. Project Setup

- 1.1 GitHub Repository Creation

- 1.2 CI/CD Configuration

- 1.3 Tool Familiarization (ClickUp , GitHub)

2. Backend Development

- 2.1 Question Answering API

- 2.2 Knowledge Base Management (CRUD)

- 2.3 Analytics Endpoint (/api/stats)

3. Frontend Development

- 3.1 Q&A Page with Input & Result

- 3.2 Admin Page for Editing

- 3.3 Responsive Design (Tailwind/Bootstrap)

4. Testing & Deployment

- 4.1 Manual Testing & Fixes

- 4.2 Auto-Deploy Setup (Vercel/GitHub Pages)

- 4.3 Code Freeze & Tagging

5. Documentation & Presentation

- 5.1 Discovery & Planning Docs

- 5.2 Sprint Summaries

- 5.3 Final Presentation Slides & Demo Video