**Idea: AI-Powered Knowledge Assistant for Advice Applications.**

### **Problem Summary**

* **Teams use Confluence, SharePoint, and Emails for documentation**
* **Information is fragmented and difficult to search**
* **New joiners face long onboarding cycles**
* **SMEs are repeatedly asked common questions**
* **Support teams waste time digging through content**
* **No central access point for knowledge**

### **Proposed Solution**

* **Build an AI-powered assistant using Google Gemini**
* **Automatically ingest content from internal sources**
* **Use vector embeddings to enable semantic search**
* **Deploy a Streamlit-based chatbot for natural language queries**
* **Centralize and simplify access to organizational knowledge**

### **How It Works**

* **Scheduled Jobs fetch data from Confluence, SharePoint, Email**
* **Data Cleaning & Chunking via LangChain**
* **Embeddings generated using Gemini APIs**
* **Vectors stored in Chroma for similarity search**
* **User Queries matched to relevant content**
* **Responses generated with Gemini contextually**
* **Frontend built with Streamlit for easy access**

### **Tech Stack**

* **Google Gemini + LangChain + ChromaDB**
* **Streamlit UI**
* **Confluence API, Graph API (SharePoint), Gmail API**
* **Airflow/Cloud Scheduler for automation**
* **Optional: Docker, GCP for scaling**

### **Key Benefits**

* **Instant answers from scattered documentation**
* **Saves time across all teams**
* **Accelerates onboarding for new hires**
* **Reduces SME workload**
* **Preserves tribal and historical knowledge**
* **Scales easily to more data sources**

### **Implementation Plan**

* **Phase 1: Pilot with Confluence and SharePoint**
* **Phase 2: Add Email and internal wikis**
* **Timeline: 3–4 weeks**
* **Team: 2 Developers, 1 QA, 1 Lead**
* **Deliverables: Working chatbot + performance metrics**

### **Future Enhancements**

* **Slack/MS Teams integration**
* **Real-time ingestion with webhooks**
* **Role-based access control**
* **Analytics dashboard for usage trends**
* **Document suggestion engine**

### **Management Request**

* **Approve pilot implementation**
* **Allocate 1 sprint (3–4 weeks)**
* **Grant API/data access**
* **Assign business and tech sponsors**