AMITY UNIVERSITY

-----UTTAR PRADESH-----

Amity School of Engineering and Technology

Minor Project

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Industry Guide

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Project Information

1) Project Duration : **(67 Days)**

      a) Date of Summer Internship commencement **(21/07/2025)**

      a) Date of Summer Internship Completion **(26/09/2025)**

2) Topic

Knowledge Management using Agentic AI in Small Scale Networks

3) Project Objective

Develop an AI-powered knowledge management system using agent-driven reasoning and advanced search across document collections within small-scale networks, centered on an in-house server built with Raspberry Pi and dedicated storage.

4) Methodology to be adopted

1. Deploy on Raspberry Pi: Use a Raspberry Pi with suitable RAM as the central server for storage, document processing, and AI handling. 2. Integrate modular components: Combine a document management platform, a semantic search-enabled database, embedding models, and an agentic AI for dynamic information access. 3. Modular, upgradeable design: All data and indexes reside on dedicated hardware with the flexibility to scale or update components as needed.

5) **Brief Summery of project**(*to be duly certified by the industry guide*)

This project creates a flexible, AI-powered document hub for small networks by combining digitization, semantic search, and conversational AI on a Raspberry Pi-based setup with dedicated storage. Users gain interactive, agentic access to their documents, benefitting from streamlined information management and robust privacy, with easy room for future upgrades.

Signature   Signature   Signature
(Student)   (Industry Guide)   (Faculty Guide)

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