# 4 Weeks Project Plan (Synopsis Timeline)

## ****Week 1 –Project Understanding & Planning(25th Aug)****

Finalize project **Title & Abstract**.

Write **Introduction, Problem Statement, Objectives, Scope**.

Collect requirements (campus layout, maps, department details, FAQs).

Do literature review of similar systems (chatbots, navigation apps).

Tools & technology finalization (Python, Rasa/Dialogflow, Database, Google Maps API).

**Deliverables:**

Project synopsis draft (Title, Abstract, Introduction, Problem, Objectives, Scope).

Requirement document.

Tool/technology list.

## ****Week 2 –System Design & Architecture(1st Sep)****

Prepare **System Architecture diagram** (User → Bot → Database → Map API).

Define **modules/features**:

1.User Interface (chatbot interface)

2. NLP & Bot Engine (understanding queries)

3.Navigation/Pathfinding (Google Maps API / campus map)

4.Database (campus details, FAQs, staff info)

Database schema design (tables for locations, events, staff details).

Write **Methodology section** of synopsis.

**Deliverables:**

Completed **System Architecture** & **Block Diagram**.

Defined **Modules & Features**.

Database design.

## ****Week 3 –Development & Implementation(8th Sep)****

Develop **basic chatbot interface** (using Rasa/Dialogflow or custom Python bot).

Integrate **NLP** for handling user queries (FAQs, directions).

Implement **Navigation module** (Google Maps API / campus layout with pathfinding).

Connect chatbot with database (for staff, department, and facility queries).

**Deliverables:**

Prototype chatbot (can answer FAQs & provide directions).

Working database connection.

Navigation integration.

## ****Week 4 – Testing & Finalization(15th Sep)****

Test chatbot responses for accuracy.

Test navigation paths (directions to classrooms, hostels, library, etc.).

Refine UI for mobile/web usage.

Write **Expected Outcome, Applications, Conclusion, and References** in the synopsis.

Prepare **final synopsis report** with all sections.

Project demonstration (if required).

**Deliverables:**

Fully prepared synopsis (all sections completed).

Working demo/prototype of “Bot Brain”.

Final report submission.