

Intro To AI-ML(EAI201) --Assignment

Title::Bot Map (Campus Navigation)

WEEK-2 Report—System Design and Architecture

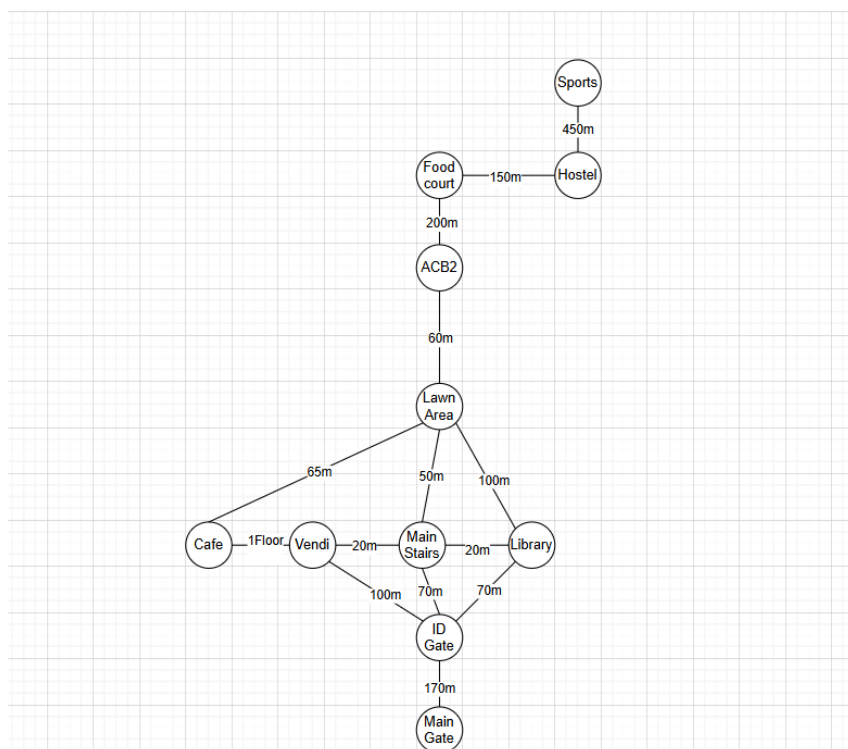
System Architecture Design

[USER]→[BOT]→[CODE] →[MAP/APIs]→[PATH FINDING]→[SHORTEST PATH]→[OUTPUT]

- **NLP and Bot Engine:** Using Rasa/Dialog Flow to make a chatbot and interact with user for any queries.
- **User interface:** Chat bot will take user input queries and uses python backend code(algorithms) for finding accurate path.
- **Navigation/Pathfinding:** Python code contains the graph(node map) of the campus and have algorithms which will be user choice to find the path....Integrating Google map APIs for visual walkthrough and navigation.

Graph(Node map)

Using draw.io plotted the node graph (rough sketch) of the campus which has important locations to navigate through the campus



Campus Map used for graph making

