

## Project ID: 25

### Project Title

Conversational Agent As Facilitator For Group Projects

### Client Name

Sonit Singh, Basem Suleiman

### Group Capacity

2 groups

**Comment:** This client might update or provide more details later or during first client meeting.

### Project Background

Most of the advanced courses at university level have team-based project work, where a team of four or five students, work towards delivering solution to a real-world problem. Group projects allow students to develop crucial collaborative skills, apply theoretical knowledge to solve real-world problem, gain exposure to diverse perspectives, practice time and project management, and learn how to resolve conflicts. Although team-based project work is a rewarding experience but it has many challenges, such as unequal contribution, poor communication, conflicts, poor leadership, unclear goals, uneven task distribution, and withholding information. The aim of this project is to design and develop a conversational agent that can enhance group discussions in a course-based group project work. This conversational agent can act as a facilitator in group discussions, taking in consideration of not only weekly group project criteria but also by managing time, encourage members to participate evenly, and organising member's diverse opinions.

### Project Scope

The project scope is to design and develop a conversational agent using state-of-the-art Large Language Models (LLMs) to support group project.

### Project Requirements

The project scope is to design and develop a conversational agent using state-of-the-art Large Language Models (LLMs) to support group project.

### Required Skills

TBD

### Expected Outcomes

Source code, user guide, report, presentation

### **Disciplines**

Web Application Development;Software Development;Computer Science and Algorithms;Artificial Intelligence (Machine/Deep Learning, NLP);Generative AI (GenAI);

### **Other Resources**

None