

Subject: Project Proposal

Project Title: Lumina

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Proposal:

To develop an AI agent capable of conversing, recognizing emotions, and responding to various gestures. This project aims to create a personalized and interactive experience for users, enhancing engagement and usability across different applications and platforms.

Objectives:

Develop an AI agent with natural language processing (NLP) capabilities for conversational interaction.

Implement emotion recognition algorithms to enable the AI agent to understand and respond appropriately to users' emotions.

Design and implement diverse character personas for the AI agent to adapt to different contexts and user preferences, say, for example, a counselor.

Integrate gesture recognition technology to interpret users' gestures and tailor responses accordingly (if time permits)

Why is it feasible?

In the contemporary digital landscape, human-computer interaction undergoes rapid transformation, prominently driven by the pivotal role of artificial intelligence (AI). There is a noticeable increase in demand for personalized and interactive experiences across different applications and platforms. AI agents equipped with conversational, emotion recognition, and potential gesture response capabilities can meet this demand by

providing engaging and tailored experiences. Diverse character personas allow AI agents to adapt to various contexts and user preferences, enhancing engagement and user experience.