Paper 299 summary

1 message

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Track Name: WorldSUAS2025

Paper ID: 299

Paper Title: ENHANCED IDEABOT – AI-POWERED PROJECT IDEATION ASSISTANT

Abstract:
Ideation is one of the most critical stages in academic and professional project development, yet many individuals struggle to generate, refine, and personalize ideas that align with their interests and skill levels. Enhanced IdeaBot is an AI-powered, voice- and text-interactive assistant designed to guide users through a structured ideation process using a conversational interface. Unlike static idea suggestion tools, Enhanced IdeaBot employs a sequence of intelligent modules to engage users with ten core exploratory questions and offers personalized project suggestions based on their responses. The system integrates advanced Natural Language Processing (NLP), sentiment analysis, and intent recognition to generate context-aware, domain-specific, and skill-aligned project ideas. It also supports idea refinement, allowing users to interactively modify the scope, complexity, or technology stack of a suggested idea.

Created on: Mon, 12 May 2025 04:40:36 GMT

Last Modified: Mon, 12 May 2025 04:40:36 GMT

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Secondary Subject Areas: Not Entered

Submission Files:
    IDt paper final.pdf (303 Kb, Mon, 12 May 2025 04:40:34 GMT)

Submission Questions Response: Not Entered

Thanks,
CMT Team.