DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REPORT FOR WORKSHOP ON "DOCUMENT PROCESSING AND ENABLEMENT OF CHATBOT USING AGENTICAI"

Title: Workshop on "Document Processing and Enablement of Chatbot Using AgenticAI"

Date: 22nd July 2025

Time: 9:00 AM – 12:00 PM

Venue: Seminar Hall, AVIT, Chennai Campus

Organized By: Department of Computer Science and Engineering & AI NEXUS Club

Resource Person: Mr. Harsh Vardan, Associate Principal, LTIMindtree, Chennai

Target Audience: Students of the Department of Computer Science and Engineering

Category: Silver Jubilee Celebrations | AICTE - AI FOR ALL Initiative

Objective of the Workshop

The primary objective of the workshop was to provide students with practical exposure and hands-on experience in cutting-edge artificial intelligence technologies, specifically focusing on document processing techniques and building intelligent chatbots using AgenticAI frameworks. This event was conducted as part of the AICTE-driven AI FOR ALL initiative and AVIT's Silver Jubilee Year celebrations.

About the Session

The session was designed to:

- Introduce students to advanced concepts of document processing including data extraction, semantic understanding, and document classification.
- Demonstrate the usage of AgenticAI, a new paradigm in AI system design where AI agents autonomously process tasks.
- Enable students to build and deploy simple chatbot applications using AgenticAI-based tools and models.

- Foster innovation and interest in real-world AI implementation among the undergraduate student community.

Key Takeaways for Students

- Exposure to enterprise-level document processing pipelines.
- Practical understanding of chatbot frameworks.
- Introduction to autonomous agentic systems in AI.
- Improved confidence in designing intelligent solutions using AI tools.
- Networking and mentorship opportunity with a seasoned industry expert.

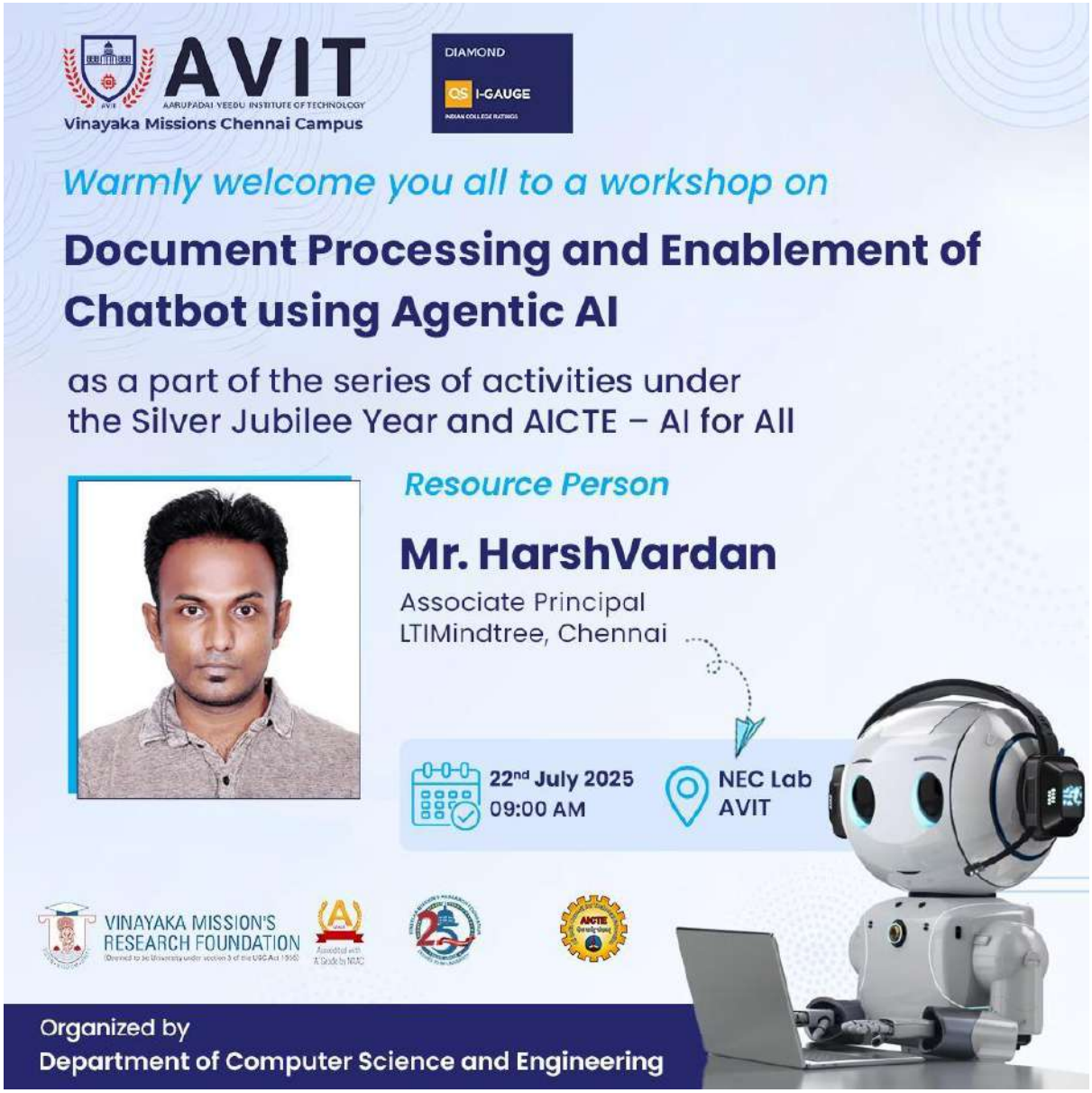
Outcomes

The workshop on "Document Processing and Enablement of Chatbot Using AgenticAI" provided students with valuable hands-on exposure to cutting-edge AI technologies, effectively aligning with several Course Outcomes (COs) and Program Outcomes (POs). The session enabled students to understand the fundamentals of artificial intelligence, particularly in the areas of document processing and natural language-based chatbot development, thus supporting CO1 and CO2. Through live demonstrations and hands-on activities using the AgenticAI framework, students were able to implement intelligent systems and explore the design and integration of chatbots, thereby achieving CO3. The discussions on evaluating AI models and their performance in enterprise applications further contributed to CO4.

In terms of Program Outcomes, the workshop reinforced PO1 by strengthening students' engineering knowledge in modern AI tools and PO2 through the analysis of real-world problems related to document automation. Students applied problem-solving skills to design solutions (PO3) and actively used state-of-the-art platforms like AgenticAI (PO5), which enhanced their ability to use modern tools. The collaborative nature of the hands-on sessions fostered effective team participation (PO9), and the exposure to current industrial practices and technologies encouraged lifelong learning habits among the participants, contributing to PO12.

Coordinator HoD/CSE

Flyer of the Event



Event Photos


01 - Introduction


GPS Map Camera
Chengalpattu,Tamil Nadu,India
Tiruporur, Chengalpattu, Tamil Nadu 603104, India
Lat 12.656692, Long 80.179624
07/22/2025 09:37 AM GMT+05:30
Note : Captured by GPS Map Camera


GPS Map Camera
Chengalpattu,Tamil Nadu,India
Tiruporur, Chengalpattu, Tamil Nadu 603104, India
Lat 12.656692, Long 80.179621
07/22/2025 09:36 AM GMT+05:30
Note : Captured by GPS Map Camera


01 - Introduction
AI
ML
DL
Gen AI