A Report On A Hands On Workshop On "From AI Agents To Agentic AI: Evolution, Opportunities, And Challenges Of Intelligent Systems"

On behalf of Artifex – The CSE-AIML Association, a one-day hands-on workshop titled "From AI Agents to Agentic AI: Evolution, Opportunities, and Challenges of Intelligent Systems" was successfully organized on 23rd August 2025, from 10:00 AM to 4:30 PM, at Room A423.

Inauguration and Welcome Address

The workshop commenced with an inaugural session, graced by the presence of faculty, staff, and students of the CSE-AIML department. The welcome speech was delivered by **Dr. Chanchal Antony, Head of the Department – AIML**, who expressed her enthusiasm for the growing interest in artificial intelligence among students. She highlighted the importance of such workshops in bridging the gap between theoretical knowledge and practical skills. Dr. Chanchal Antony encouraged students to actively engage with the evolving field of intelligent systems and stressed the importance of hands-on learning experiences in preparing for the future of AI.

Resource Person Introduction

The resource person for the workshop was **Mrs. Jamuna K. M., Assistant Professor, Department of CSE–ICB**. Known for her strong academic background and practical knowledge in AI and Intelligent Systems, Mrs. Jamuna brought valuable insights into the latest developments in the field. Her teaching style blended conceptual understanding with real-world applications, making the workshop highly engaging and informative.

Session 1: Understanding AI Agents

The first session of the workshop focused on the evolution of AI agents. Mrs. Jamuna began by explaining the basic types of agents: simple reflex agents, model-based agents, goal-based agents, and utility-based agents. She elaborated on how these agents function based on their interaction with the environment, their decision-making models, and their ability to learn or adapt over time.

The participants were introduced to the concept of agent architecture and how agents perceive their environment, process input, and take action. The session provided a solid foundation on how traditional AI agents operate in rule-based environments and gradually evolve toward more complex intelligent behavior.

Hands-On Session: Building Intelligent Agents

Following the theory, students participated in a hands-on session where they implemented basic intelligent agents using Python. With guidance from Mrs. Jamuna, the students developed agents capable of reacting to dynamic inputs using decision-making logic. Key topics such as environment modeling, condition-action rules, and feedback mechanisms were covered during the lab session.

This hands-on experience allowed students to witness how intelligent behavior could be programmed and refined. They were encouraged to experiment with their code and understand the practical challenges involved in agent development.

Session 2: Transitioning to Agentic AI

The afternoon session focused on the concept of Agentic AI, a more advanced form of AI where systems not only react but also exhibit goal-oriented, proactive, and autonomous behaviors. Mrs. Jamuna explained how agentic systems differ from traditional agents by having long-term planning capabilities, self-reflection, and adaptive learning.

She discussed real-world applications of agentic AI in areas such as autonomous vehicles, intelligent personal assistants (like Siri or Alexa), smart robotics, and collaborative AI systems. Ethical considerations such as bias, transparency, and AI responsibility were also addressed.

Interactive Q&A and Feedback Session

The workshop concluded with an interactive Q&A session where participants posed questions about the implementation, challenges, and future of agentic systems. Mrs. Jamuna answered them with clarity and encouraged students to take up projects and research in the domain of intelligent systems. The feedback from students indicated a high level of satisfaction with the content, delivery, and overall learning experience.

Conclusion

The hands-on workshop on "From AI Agents to Agentic AI: Evolution, Opportunities, and Challenges of Intelligent Systems" proved to be an enriching experience for all attendees. It provided a thorough understanding of how AI agents have evolved into more autonomous and proactive systems. With a perfect blend of theory and practice, the session not only enhanced the technical skills of students but also inspired them to think critically about the ethical and practical implications of intelligent systems.

Artifex – The CSE-AIML Association extends its sincere gratitude to **Dr. Chanchal Antony** for his support and motivating words, and to **Mrs. Jamuna K. M.** for her expertise and engaging delivery. The association looks forward to organizing more such events to encourage hands-on learning and innovation in the field of AI.

Vote of Thanks

The workshop concluded with a formal Vote of Thanks delivered by **Mr. Sharad Shandhi Ravi, Association Staff Coordinator**, who expressed gratitude to the resource person, faculty members, student volunteers, and participants for making the event a grand success.


General AI awareness
• How many of you have used ChatGPT, Google Bard, or Copilot in the past week? What did you use it for?
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Kodikal, Mangaluru, Karnataka 575006, India
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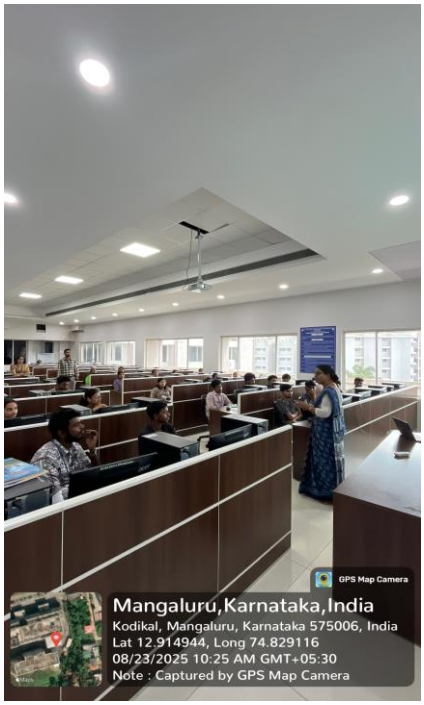
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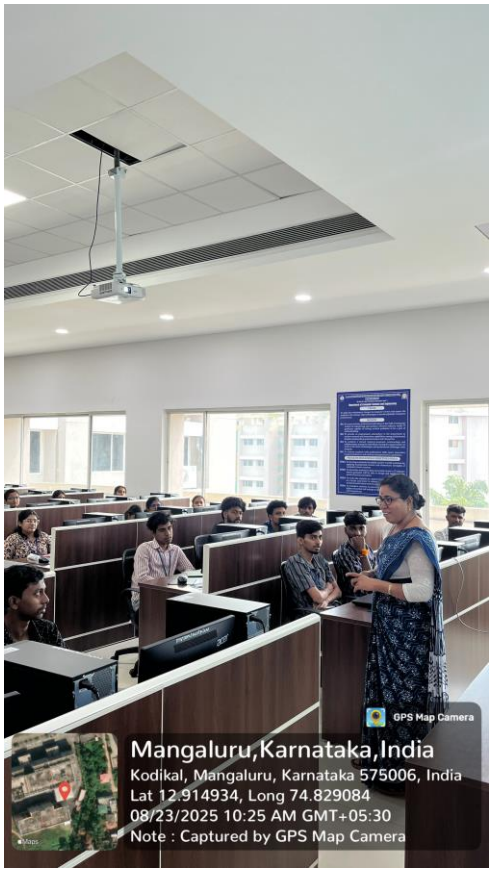
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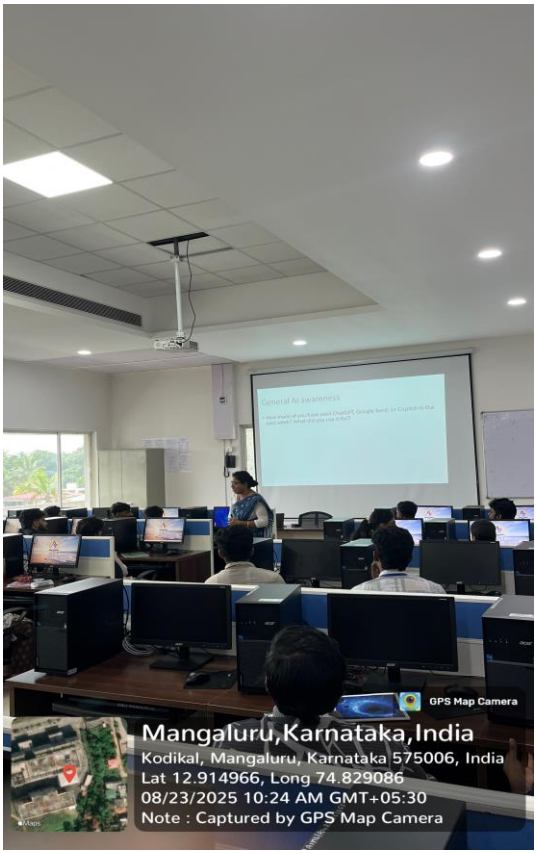
General AI Awareness
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A J INSTITUTE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)
Presents
One day Hands-on Workshop on
"From AI Agents to Agentic AI: Evolution, Opportunities and Challenges of Intelligent Systems"
23/08/2025
10:00AM to 4:30 PM
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