

Report on Guest Lecture Programme – Agentic AI

A Guest Lecture Programme on “Agentic AI: Redefining Intelligence through Action and Autonomy” was successfully conducted on 17.6.2025, organized by the PG and Research Department of Computer Science, J.J.College of Arts and Science (Autonomous), Pudukkottai, aimed at introducing students and faculty to emerging trends in artificial intelligence, particularly the concept of agentic AI.

The session featured Dr.J.Arunadevi, Assistant Professor, P.G. and Research Department of Computer Science, RajaDoraisingham Govt. Arts College (Autonomous), Sivagangai, who is an expert in AI systems and their practical applications. The lecture began with a warm welcome by Ms. Mahalakshmi. S, of II B.Sc. Computer Science. The guest was honoured and introduced by Dr.S.Rathnadevi, Assistant Professor, P.G. and Research Department of Computer Science.

In the lecture, the guest speaker provided a comprehensive overview of Agentic AI, focusing on how intelligent agents can act with autonomy, make decisions, learn from their environment, and achieve complex goals without constant human input. Key topics discussed included: Definition and architecture of agentic systems, Differences between traditional AI and agentic AI, Real-world applications such as robotics, finance, healthcare, and smart systems, Ethical and safety considerations in agentic autonomy, Future research directions and career opportunities in the field.

The session was highly engaging and sparked meaningful discussions during the interactive Q&A session. Students asked insightful questions related to agent behavior, alignment with human goals, and practical implementation challenges. The lecture created awareness and understanding of agentic AI among participants and inspired students to consider AI research and development as a career path.

The programme concluded with a formal vote of thanks delivered by Ms. Dheiva varshini.M of I B.Sc. Computer Science expressing gratitude to the guest speaker and all participants for making the session informative and successful. Ms. Keerthika .R and Ms.Sowmiya .R of II B.Sc. Data Science mastered the entire lecture programme. The programme ended with National anthem and it was a success with the utmost cooperation and support of the faculty of the department.