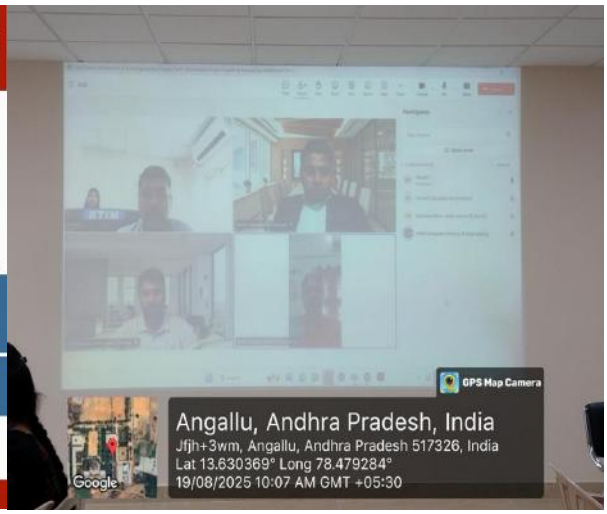
A Report on Guest Lecture on "Generative AI & Reimagining Retail Supply Chains: Transformative Power of Agentic AI" Organized by Department of Computer Science & Engineering 19.08.2025



Report Submitted by: Mr. T. Murali, Assistant Professor, Department of Computer Science & Engineering.

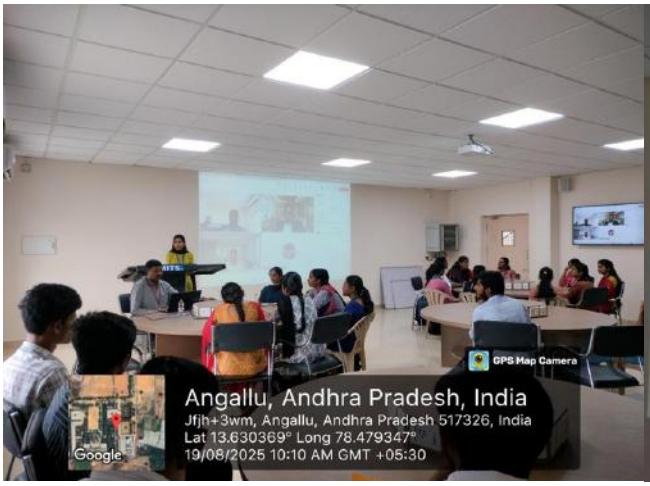
Resoource Person Details: Mr. Anand Chinnakannan, Staff Machine Learning Engineer, Walmart Global Tech, USA; Mr. Harshavardhan Nannur, Staff Data Scientist, Walmart Global tech, USA.

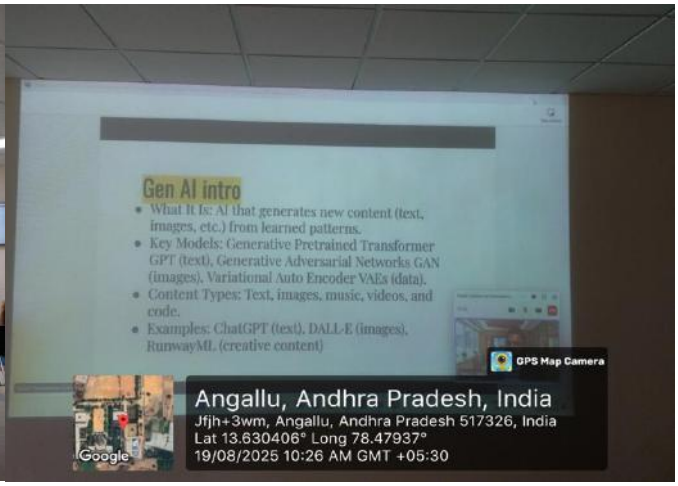
Mode of Conduct: Online

Report Received on 25.08.2025.

The program was organized by Mr. T. Murali, Assistant Professor in the Department of Computer Science & Engineering (CSE) at Madanapalle Institute of Technology & Science, Madanapalle. The event commenced at 10:00 AM in the Scaleup Class Room.

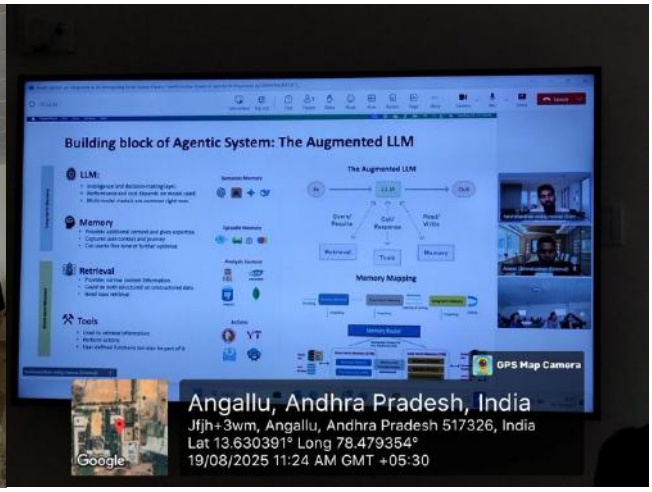
Dr. M. Sreedevi, Head of the CSE Department, welcomed the resource persons and the students. Mr. Anand Chinnakannan and Mr. Harshavardhan Nannur from Walmart Global Tech, USA, were invited as the resource persons to deliver the session. Mr. T. Murali introduced the guests and provided a brief overview of their professional backgrounds.





The resource person, Mr. Anand Chinnakannan, commenced the session by expressing his sincere gratitude to the Management, the Department, the organizing members, and the Head of the CSE Department at MITS, Madanapalle, for the opportunity to share his expertise on Generative AI. The session was attended by 60 pre-final year students from the Department of CSE.

The resource person delivered an insightful session that began with a clear introduction to "*Generative AI"*, highlighting its growing importance in the modern technological world. He explained the significant benefits of Generative AI and how it is revolutionizing various industries. The session also provided a detailed explanation of the GenAI architecture, giving participants a better understanding of how the system functions. In addition, the speaker elaborated on the different components that make up Generative AI and their specific roles. Towards the end, he shared valuable insights on the expanding job market and the wide range of career opportunities available in this emerging field.



The other resource person, Mr. Harshavardhan Nannur, delivered an engaging session on the topic *"Reimagining Retail Supply Chains: Transformative Power of Agentic AI".* He began by introducing the concept of Industry 5.0 and its role in shaping the future of industries. The session also included a research-based summary of the Electric Vehicle (EV) market trends expected in 2025. Furthermore, he explained the different types of Agentic Systems and their applications in modern business scenarios.

The session provided several key outcomes for the students:

1. **Understanding of Generative AI:** Students gained insights into the fundamentals of Generative AI, including its architecture, components, and benefits, which helped them understand its real-world applications.
2. **Awareness of Career Opportunities:** They learned about the growing job market in Generative AI and the diverse career paths available in this emerging field.
3. **Knowledge of Industry 5.0:** Students were introduced to the concept of Industry 5.0, emphasizing human–AI collaboration and its impact on the future of industries.
4. **Exploration of the EV Market:** They received a research-based summary of the Electric Vehicle (EV) market in 2025, giving them awareness of current and future technological trends.
5. **Understanding of Agentic AI Systems:** The session highlighted the transformative power of Agentic AI in retail supply chains and explained the different types of agentic systems, enhancing students' knowledge of advanced AI applications.

Overall, the session equipped students with both theoretical knowledge and practical skills necessary for applying Generative and Agentic AI.

The session was concluded by Mr. T. Murali, who expressed his gratitude to the Management and the Department for providing the opportunity to organize the event. He also thanked everyone involved for their support in making the session a success.