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Overview

Game-changing Tech Talk, Knowledge Sharing and get a peek into the Future of AI.

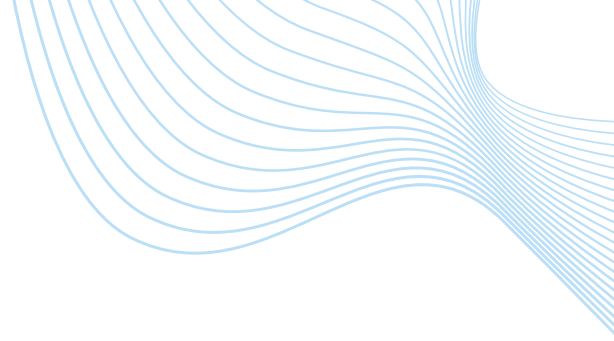
Varsha Shaheen, an accomplished R&D Engineer from Lascade, who will be breaking down this incredible technology in simple words.

Date: Monday, September 11th

Time: 4:30 PM Onwards

Venue: SDPK Auditorium





Objectives

The event aimed to provide a comprehensive introduction to the rapidly evolving field of Agentic AI. By hosting an expert session with Ms. Varsha Shaheen, the objective was to move beyond standard textbook definitions and offer a peek into the practical future of AI. Key goals included demystifying how AI agents function autonomously, fostering connections between the student community and the tech industry, and equipping attendees with the knowledge required to navigate the changing landscape of Artificial Intelligence and Innovation.



Speaker - Varsha Shaheen

Current Role: Research and Development (R&D) Engineer at Lascade.

Specialization: works extensively with Artificial Intelligence, Machine Learning, Neural Networks, and Image Processing.

Industry Recognition: She was featured as the "Maker of the Month" by TinkerHub in February 2025, highlighting her journey from a student learner to a tech professional.

Education: Cochin University of Science and Technology (CUSAT), Computer Science and Engineering.

Varsha is a prominent figure in the tech community and a recognized speaker. She is actively involved in bridging the gap between academia and industry, frequently mentoring students and leading technical sessions on the future of technology and innovation.

Report

Key Highlights of the Talk:

- **The Shift to Agency:** Ms Varsha defined the transition from Generative AI (answering bots) to Agentic AI (performing bots). She explained how agents use a Reasoning-Action loop to break down complex goals and execute them without constant human prompting.
- **Technical Foundations:** She demystified how agents function by integrating LLMs with external tools (APIs, web browsers, and databases), allowing AI to interact with the world to solve real-world problems.



- **Industry Integration:** Bridging the gap between academia and industry, she highlighted that the future belongs to "Architects" who can build reliable, multi-agent workflows using frameworks like LangGraph or CrewAI.
- **Responsible Innovation:** A significant portion of the talk was dedicated to safety and governance, urging the next generation of developers to build guardrails that ensure autonomous systems remain ethical and accurate.

Q&A Audience Engagement:

The session concluded with a lively Q&A segment. The audience posed thoughtful questions regarding the ethical implications, security risks, and the timeline for widespread commercial adoption of fully autonomous agents.

Ms. Varsha addressed these concerns, emphasizing the critical need for robust guardrails, human oversight in the loop (especially for high-stakes decisions), and transparent error reporting mechanisms in agent design.

Conclusion

The Industry Connect Series session featuring Varsha Shaheen on Agentic AI was a resounding success. It achieved its aim of providing clear, concise, and forward-looking insight into one of the most rapidly evolving fields of Artificial Intelligence. The speaker's ability to connect theoretical concepts with industry examples drawn from her experience provided immense value to attendees. The event inspired the audience to explore the practical applications of AI in their own future careers.

The session clearly illustrated that the evolution from Generative AI to Agentic AI. She provided a strong technical foundation for understanding how agents function in real-world environments. Ultimately, the talk underscored that innovation must go hand in hand with accountability, shaping a future where intelligent systems are not only powerful but also trustworthy and human-centered.