NEW HORIZON
COLLEGE OF ENGINEERING

DEPARTMENT OF CSE (DATA SCIENCE)

Event: "Agentic AI: Building Autonomous Data Intelligence"

Venue: Room C 205   **Time -**10:00 AM-12:00 PM

Workshop

Agentic AI: Building Autonomous Data Intelligence

📅 13th March 2026

🕐 10:00 AM – 12:00 PM

📍 Room No: C 205

👥 6th Semester Students

Mr. Anand Jha
Lead Technical Engineer
Tiger Analytics

Coordinator	Convenor		
Ms. Aswathy J S	**Dr. B Swathi**	**Dr. R J Anandhi**	**Dr. Manjunatha**
Assistant Professor	HoD - CSE(DS)	Dean - Academics	Principal

Organised by
Department of Computer Science and Engineering (Data Science)

The Department of Computer Science and Engineering (Data Science), New Horizon College of Engineering, organised a workshop titled "Agentic AI: Building Autonomous Data Intelligence" on 13th March 2026 in Room C 205 from 10:00 AM to 12:00 PM for 6th semester students. The session was conducted by Mr. Ananda Jha, Lead Technical Engineer, Tiger Analytics.

The expert talk session on Agentic AI: Building Autonomous Data Intelligence commenced with a comprehensive historical journey through the evolution of artificial intelligence. Mr. Jha provided invaluable insights into the foundations of AI, tracing its development from the early 1990s through the 2000s, when AI research laid the groundwork for modern intelligent systems. The discussion progressed to highlight the transformative period of 2013, when deep learning emerged as a breakthrough paradigm, revolutionising the field by enabling AI systems to learn hierarchical representations from vast amounts of data and achieve unprecedented performance in complex tasks.
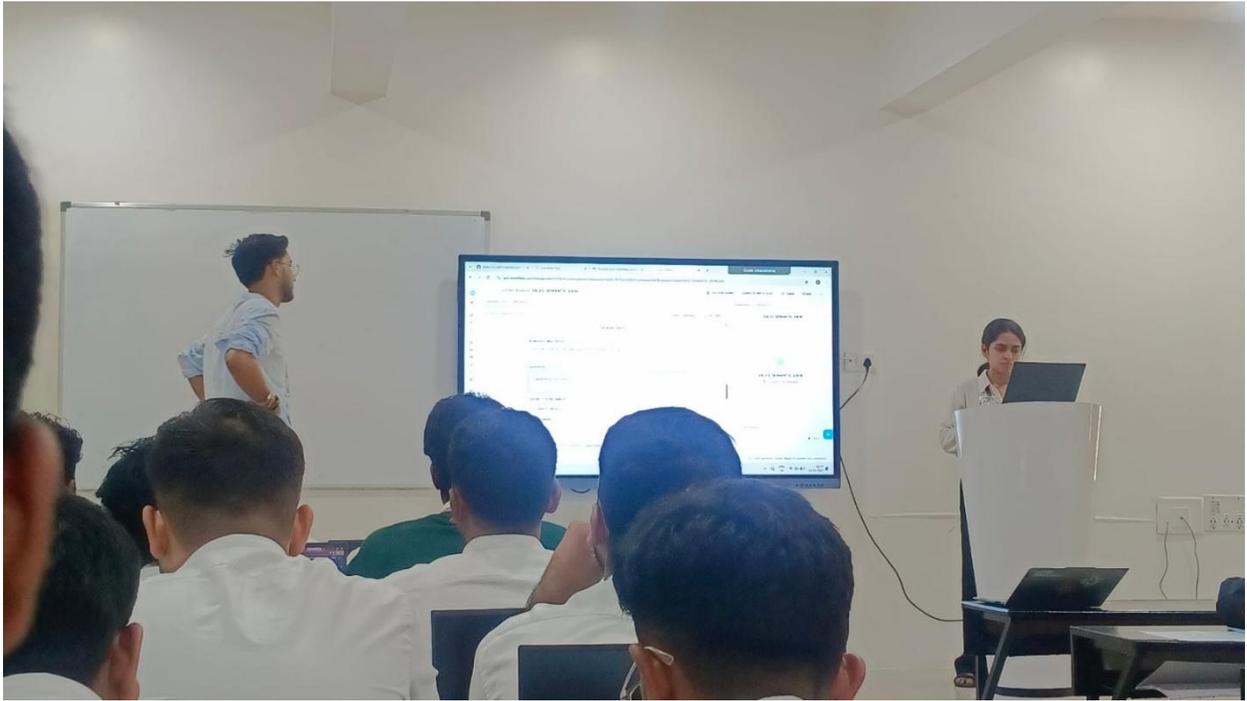
A critical focus of the session was establishing clear conceptual distinctions between different AI paradigms. Mr. Jha posed thought-provoking questions throughout the session to encourage critical thinking, guiding participants through the nuances of artificial intelligence and helping them understand how different AI approaches serve different purposes. The speaker highlighted the key differences between Generative AI and AI Agents, emphasising that while generative AI

focuses on creating new content—such as text, images, or code—based on learned patterns, AI agents are autonomous systems designed to perceive their environment, reason about it, and take independent actions to achieve specific goals. This distinction is crucial for understanding that AI agents represent a more sophisticated paradigm where intelligence encompasses not just generation but also autonomous decision-making and contextual adaptation.

The workshop transitioned from theoretical concepts to practical, real-world implementation. Participants were introduced to building an autonomous AI agent using Snowflake, a leading cloud data platform. This practical component demonstrated how AI agents can be constructed within modern data infrastructure, showcasing the integration of AI capabilities into enterprise environments. The session covered the fundamental workflow and technical steps involved in architecting, configuring, and deploying an autonomous agent within Snowflake's ecosystem.

To maximize learning and engagement, the session featured an interactive demonstration where a volunteer from the class, Pranjali, was invited to the stage. Under Mr. Jha's expert guidance, Pranjali executed the necessary commands and worked through the step-by-step workflow required to build and deploy an autonomous AI agent in Snowflake. This hands-on approach enabled students to observe real-time implementation, understand the technical processes involved, and gain practical insights into the tools and methodologies used in building intelligent autonomous systems. The interactive format allowed participants to witness firsthand how theoretical concepts translated into executable code and functional AI agents, bridging the gap between classroom learning and industry practice.

Such hands-on expert talks foster career awareness and skill development in emerging fields such as AI Engineering, Data Intelligence, AIOps, and autonomous systems development. The session encouraged continuous learning and demonstrated the importance of understanding both theoretical foundations and practical implementation techniques. By combining historical context, conceptual clarity, and real-world implementation, the workshop empowered students to appreciate the evolution of AI technologies and positioned them to contribute meaningfully to the emerging field of autonomous data intelligence and AI agent development.

The workshop exemplifies how expert-led sessions bridge the gap between academic theory and industry practice, inspiring learners to align themselves with the future of AI-driven innovation, intelligent automation, and strategic technological advancement.
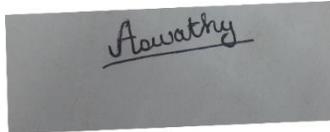
Faculty Coordinator

Assistant Prof.

Prof. Aswathy J S

Convener

HoD-CSE-DS

Dr. B Swathi