NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

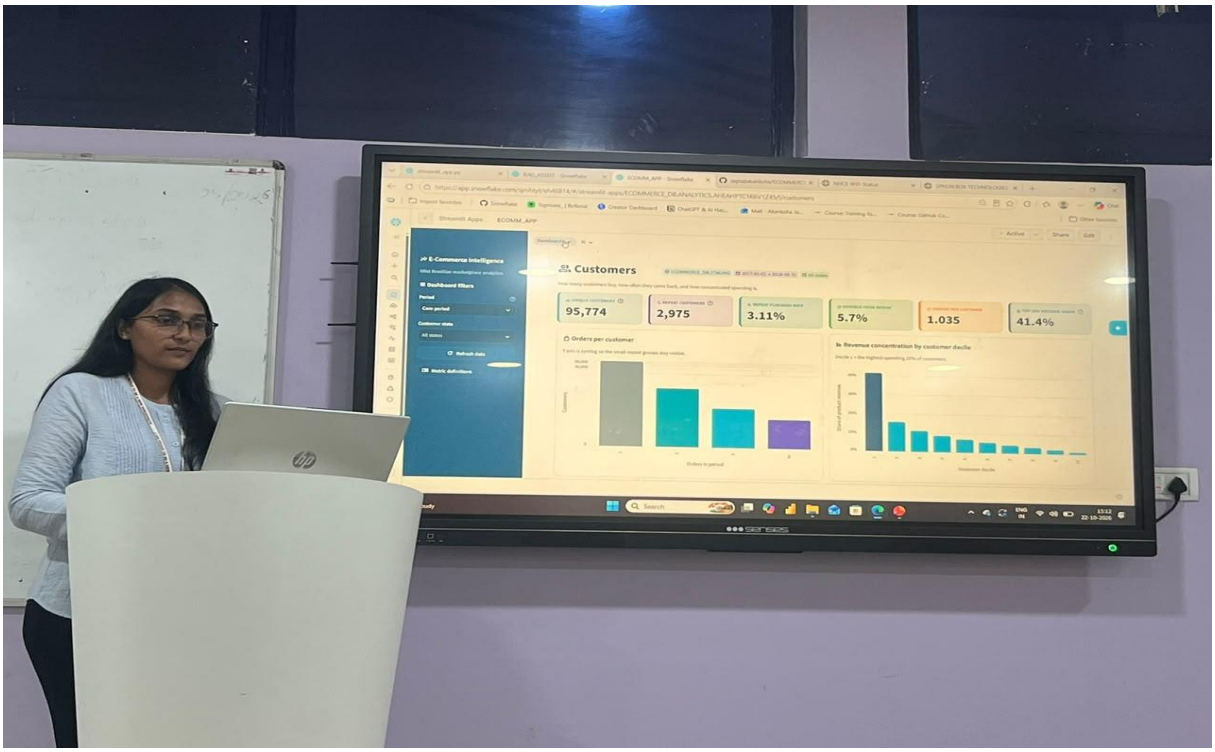
Event: "Workshop - Build an End to End Enterprise Grade RAG System"

Venue: Room A115 **Time-1:30 PM-4:30PM**

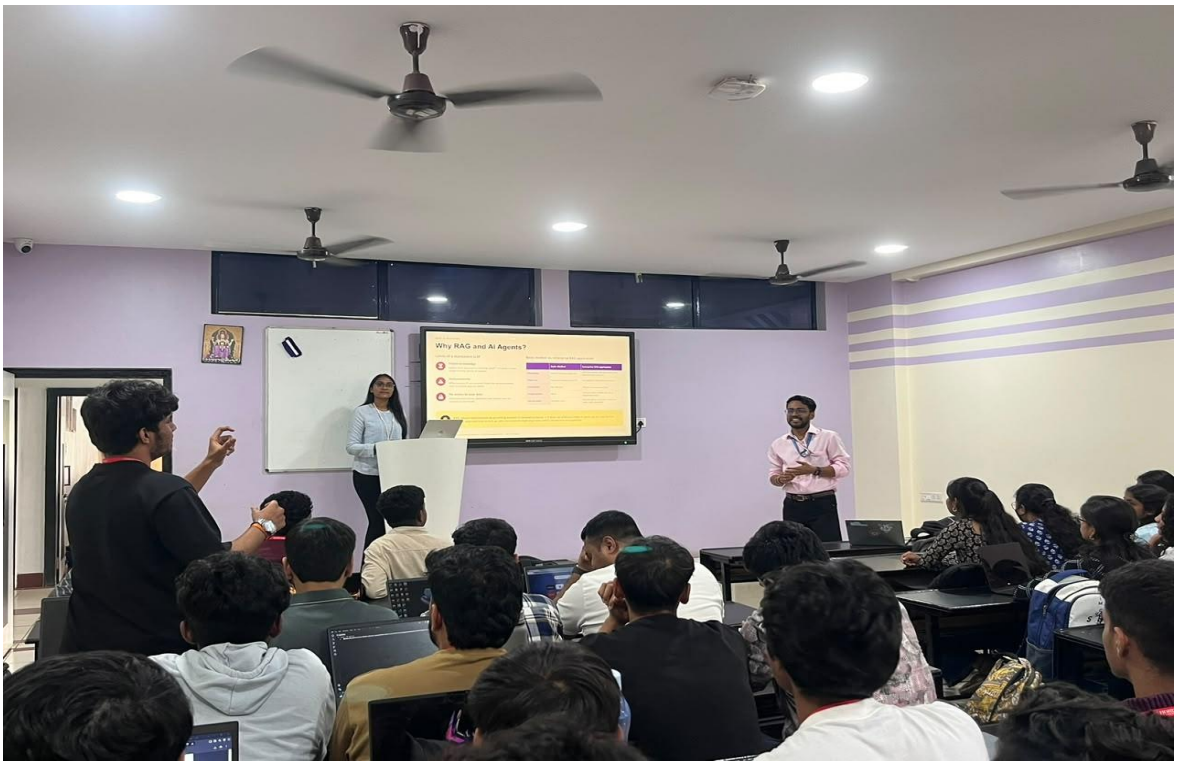


The Department of Computer Science and Engineering, New Horizon College of Engineering, organized a workshop titled **"Build an End-to-End Enterprise-Grade RAG System"** on **22nd October 2026** for **3rd semester students**. The session was conducted by **Mr. Anand Jha, Senior Solution Architect at Kipi.ai, and Ms. Akanksha Jagtap, Senior AI Engineer and Business Consultant at AWA Solutions**.

Mr. Anand Jha is a Senior Solution Architect at Kipi.ai, while Ms. Akanksha Jagtap works as a Senior AI Engineer and Business Consultant at AWA Solutions. The resource persons brought their professional expertise in technology and artificial intelligence to introduce students to the concepts and practical applications of Retrieval-Augmented Generation (RAG) systems. Their session focused on understanding how modern AI technologies can be integrated with external knowledge sources to develop intelligent and context-aware applications.






Why RAG and AI Agents?



The workshop began with an introduction to the **importance of Retrieval-Augmented Generation (RAG)** in today's rapidly evolving AI landscape. The resource persons explained how **Large Language Models (LLMs)** can be combined with external knowledge sources to generate accurate, relevant, and context-aware responses. They highlighted the role of information retrieval in enhancing the capabilities of generative AI and its growing importance in developing intelligent applications.

During the session, they provided an overview of **RAG system architecture and workflow**, explaining how information from external documents and knowledge bases can be retrieved and integrated with language models to generate meaningful responses. They discussed the key components involved in building a RAG-based application and explained how retrieval and generation work together to improve the relevance and accuracy of AI-generated outputs.

The resource persons also focused on the **practical development of an end-to-end RAG system**. Through demonstrations and hands-on activities, students gained insights into the different stages involved in developing a RAG application, including information retrieval, knowledge integration, and response generation. The session helped students understand the process of designing and developing AI-powered applications using modern generative AI techniques.

Furthermore, the workshop highlighted the **enterprise applications of RAG technology** and its potential to support intelligent information access, knowledge management, and AI-driven business solutions. The resource persons discussed important considerations such as scalability, reliability, and deployment while building enterprise-grade AI systems. They explained how RAG-based solutions can help organizations make better use of their knowledge resources and develop applications that provide contextually relevant responses.

Throughout the workshop, the resource persons shared their technical insights and emphasized the importance of **practical learning and continuous skill development** in the field of artificial intelligence. They encouraged students to explore emerging AI technologies, experiment with practical projects, and strengthen their understanding of Large Language Models and information retrieval techniques to meet evolving industry requirements.

The session concluded with discussions on the practical applications and future possibilities of **RAG systems in enterprise environments**. Students gained a better understanding of how retrieval-based techniques can enhance generative AI applications and support the development of intelligent, reliable, and context-aware solutions.

Overall, the workshop provided a valuable learning experience for the students, helping them understand the fundamentals of Retrieval-Augmented Generation, the architecture of RAG systems, and the practical aspects of building end-to-end enterprise-grade AI applications. The session inspired students to explore

advanced generative AI technologies and develop industry-relevant skills for their future careers.





Faculty Coordinator	Convener
Assistant Professor	HOD(CSE-GF)
Ms. Sandhya B Shettennavar	Dr. B Swathi