



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Event: Expert Talk on “Data Science Industry Perspectives, Applications and Career Opportunities”

Venue: Falconry Seminar Hall

Time: 10:40 AM – 12:40 PM


NEW HORIZON
COLLEGE OF ENGINEERING

Expert Talk

**Data Science
Industry Perspectives,
Applications and Career Opportunities**

 **30th September 2026**
 **10:40 AM - 12:40 PM**
 **Falconry Seminar Hall**
 **3rd Semester Students**



Mr. D Santhosh Kumar
Data Engineer
Walmart, Bengaluru

Faculty Coordinator
Dr. Shanmuga Priya G
Professor

Convenor
Dr. B Swathi
HoD - CSE & CSE(DS)

Dr. Uma Reddy NV
Dean - CSE

Dr. R J Anandhi
Vice Principal - Academics

Dr. Manjunatha
Principal

Organised by
Department of Computer Science & Engineering

The Department of Computer Science and Engineering, New Horizon College of Engineering, organized an expert talk titled **“Data Science Industry Perspectives, Applications and Career Opportunities”** on **30th September 2026** for **3rd semester students**. The session was delivered by **Mr. D Santhosh Kumar**, Data Engineer at Walmart, Bengaluru.

The primary objective of the session was to provide students with valuable industry perspectives on data science, practical applications across domain sectors, and emerging career pathways. Mr. Santhosh Kumar introduced key concepts in modern data engineering and analytics, detailing how raw data is transformed into actionable business insights through scalable data pipelines and machine learning algorithms.



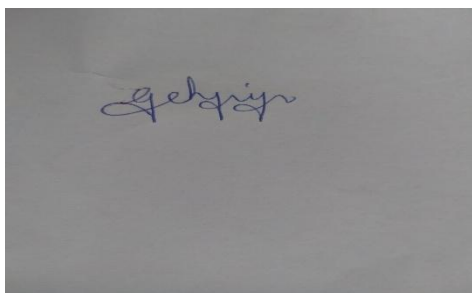




The talk emphasized real-world use cases, showing how data science powers predictive analytics, supply chain optimization, enterprise decision-making, and customer insights in major tech and retail companies like Walmart. Students were guided on essential technical skills needed in the job market, including proficiency in Python/R, SQL, big data processing frameworks, cloud technologies, and data pipeline architecture. The speaker highlighted diverse roles available in the field—such as Data Engineer, Data Scientist, Data Analyst, and ML Operations Engineer—and provided practical advice on portfolio building, internships, and keeping pace with industry developments. The session addressed standard industry challenges including managing high-volume data streams, data quality and governance, deployment scalability, and balancing technical design choices with business goals.

The speaker introduced current trends shaping the field, including cloud-based data platforms, real-time data streaming, automation of data workflows, and the growing role of generative AI in building reliable, production-ready systems. Students were encouraged to build a strong base in programming, data structures, database management, and statistics, since these core concepts support every advanced tool and technology used in the industry. The session was highly interactive, allowing 3rd-semester students to connect theoretical knowledge with practical industry practices, raising awareness about early skill development and career preparation in data engineering and data science.

Students gained a clear picture of how data engineering and data science work together inside large organizations. Building small projects, contributing to datasets, and practicing on real-world problems was recommended over relying only on classroom study. Starting skill development in the early semesters helps students prepare better for internships and placements. The expert talk helped 3rd semester students understand the scope of data science beyond the syllabus and the skills employers look for. It motivated them to explore the field further through projects, internships, and self-learning, and it strengthened the link between the department and industry professionals.



Faculty Coordinator

Prof. Shanmuga Priya Ganesan



Convener

HOD-CSE-DS

Dr. B Swathi

