



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Expert Talk
on
Data Analytics Essentials: From Raw Data to Real Insights

Participants: 4th Semester Students

Date: 22-04-2026

Brief Description of the Event

On 22 April 2026, the Department of CSE hosted an expert talk on “Data Analytics Essentials: From Raw Data to Real Insights” by Shankar Gouda, Lead Data Scientist and Trainer at Innomatics Research Lab. The session was designed to provide students with a strong foundation in data analytics, focusing on the journey from raw data to meaningful insights.

The talk explored essential concepts, tools, and techniques used to collect, process, and analyse data. It highlighted how organisations leverage analytics to support informed decision-making and uncover valuable patterns in today’s data-driven world.

Key Points Covered:

- The speaker emphasised that raw data holds value only when transformed into actionable insights that drive smarter decisions across industries.
- A real-time food services app dataset demonstrated the complete transformation from unprocessed numbers to meaningful business narratives.
- He also emphasised that data tells us a story which we, as the audience, have to figure out—much like piecing together clues, where patterns, trends, and anomalies guide us toward deeper understanding and meaningful conclusions.
- He showcased how different types of graphs reveal distinct aspects of the data, explaining how to choose the right visualisation based on the question being asked and how each graph uncovers a different story hidden within the dataset.
- The talk stressed the importance of multi-dimensional thinking, encouraging the audience to question data, validate assumptions, and explore all possible angles before drawing any conclusions.

Outcome:

Students gained a clear understanding of the fundamental concepts of data analytics and the process of transforming raw data into actionable insights. They developed basic skills in data collection, cleaning, and analysis, and became familiar with commonly used tools and techniques in the field. The session also enhanced their ability to interpret data, recognise patterns, and apply analytical thinking to support informed decision-making in real-world scenarios.

Activities Conducted: Nil

No. Of Participants: 120

Guest Details (Name, Designation, Organisation, Location) :

Mr Shankar Gouda, Lead Data Scientist and Trainer, Innomatics Research Lab, Bangalore

The Brochure of the Event:

The brochure is a dark blue rectangular graphic with a teal header. At the top, it features logos for New Horizon College of Engineering (celebrating 25 years), IEEE NHCE, IEEE Information Theory Society, and Innomatics Research Labs. The main title 'Data Analytics Essentials: From Raw Data to Real Insights' is in large white font. Below the title is a circular portrait of Mr. Shankar Gouda, with his name and title 'Lead data Scientist and Trainer, Innomatics Research Lab' listed to the right. Event details on the left include the date '22 April 2026', time '02:00 PM to 04:00 PM', location 'Falconry Hall', and audience '4th Sem Students'. A list of faculty coordinators and conveners follows, including Dr. Kalaivani D, Ms. Kavitha K N, Ms. Yogitha, Dr. Vandana C P, Dr. B. Rajalakshmi, Dr. Asha Joseph, Dr. Anandhi R J, and Dr. Manjunatha. The event is organized by the Department of Computer Science and Engineering.

Faculty Coordinator

HoD-CSE-3

HoD-CSE-1

HoD-CSE-2

Parvathy.S

Dr. Vandana.C.P