



DEPARTMENT OF CSE - DATA SCIENCE

Event: "AUTOMATING EDA USING (AI + VOICE)"

Venue: Room C203

Time-11:00 AM-1:00PM



Computer Science and Engineering (Data Science)

Workshop

Automating EDA USING AI and Voice



7 March 2025



11:00 AM – 01:00 PM



Room C203



4th Semester



Mr. Anand Jha

**Senior Data Engineer
Tiger Analytics, Bengaluru**

Faculty Coordinator

Ms. Swati Sehgal

Assistant Professor, CSE (DS)

Convenor

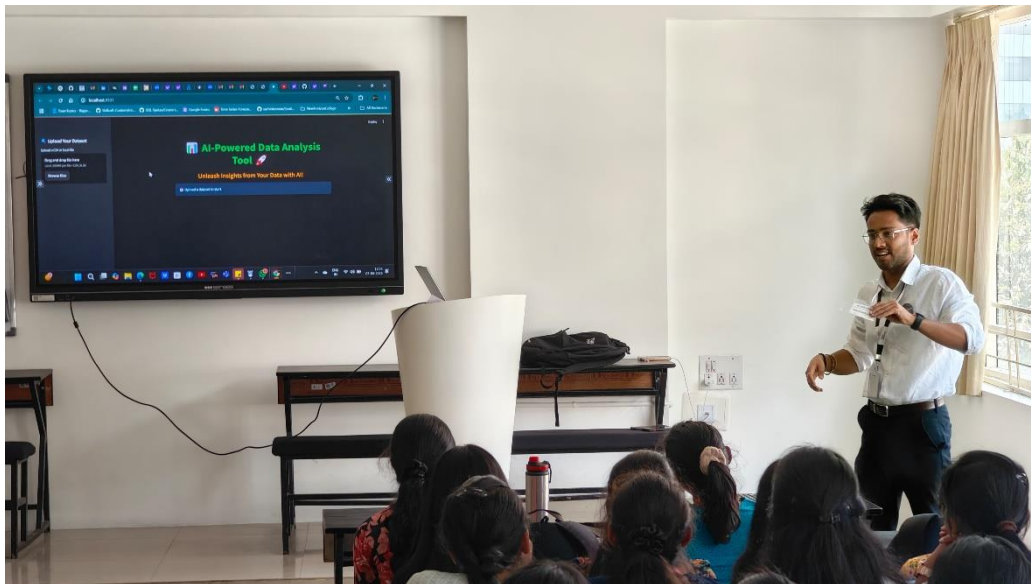
Dr. B Swathi

HoD – CSE (DS)

On March 7, 2025, the Department of Computer Science and Engineering (Data Science) hosted a workshop titled "Automating EDA Using AI + Voice" for fourth-semester students. The workshop aimed to introduce foundational concepts in data analysis and was delivered by Mr. Anand Jha, a Senior Data Analyst at Tiger Analytics.

Mr. Jha, an experienced programmer with over 8 years in the SDLC field, has 4+ years of relevant experience in dashboarding (PowerBi and Tableau) and 6+ years in SQL, focusing on data analysis, data migration, and visualization techniques. He has worked on various optimization techniques and has a strong track record of delivering project requirements through excellent problem-solving capabilities.

The session began with an overview of Exploratory Data Analysis (EDA), emphasizing its importance in uncovering patterns and insights from data. Students were guided through the use of Python libraries such as Pandas, Matplotlib, and Seaborn for data cleaning, manipulation, and visualization. Additionally, the workshop covered SQL techniques for querying and processing structured data, highlighting the integration of these tools in practical analysis workflows.





The workshop adopted a hands-on approach, enabling students to work with real-world datasets and apply the concepts they learned. A case study involving sales data allowed participants to clean, analyze, and visualize data to derive meaningful insights. This interactive format, combined with live demonstrations and collaborative problem-solving, ensured that students gained practical experience and confidence in their analytical skills.

Resources such as datasets, Python scripts, and SQL queries were provided for further practice. Participants expressed enthusiasm for the session, appreciating the clarity of explanations and the relevance of the topics covered. The Q&A segment offered insights into career opportunities in data science, further motivating the students. Overall, the workshop successfully equipped participants with essential tools and techniques for exploratory data analysis, laying a strong foundation for their academic and professional growth in the field of data analytics.



Faculty Coordinator

Asst Prof.

SWATI SEHGAL



Convenor

HOD-CSE-DS

Dr. BASAVARAJU SWATHI