A Report on Alumni Guest Lecture on
"The Art of Data: Visualizing and Analyzing with SQL and Business Intelligence"
Organised by Department of Computer Science & Technology
In Association with IEEE Student Branch, IEEE Computer Society, IEEE Education Society, MITS
on 23rd October 2024

Report Submitted by: Dr. K. Giridhar, Event Coordinator, Assistant Professor, Department of CST; Mr. D. Suresh, Event Coordinator, Assistant Professor, Department of CST, MITS.
Resource Person Details: Ms. K Poojitha Reddy, Software engineer, JLL Technologies, Bengaluru
Participants: III CST Students
Attendance: 110 participants
Venue and Time: Seminar Hall - A and 02:00 PM to 04:00 PM
Mode of Conduct: Offline
Report Received on 28.10.2024

Department of Computer Science & Technology, has organized **Alumni Guest Lecture on The Art of Data: Visualizing and Analyzing with SQL and Business Intelligence** on **23-10-2024** (Wednesday).

Objective:

Aims to provide attendees with a comprehensive understanding of the essential tools and techniques used in data visualization and analysis. The lecture is designed to bridge theoretical knowledge and practical application, highlighting the significance of SQL as a foundational skill for data manipulation and retrieval. Participants will learn how to effectively transform raw data into meaningful insights, using business intelligence (BI) tools to enhance decision-making processes. The session will cover key concepts in data visualization, emphasizing best practices for creating impactful visual representations of data. By showcasing real-world examples, alumni speakers will share their experiences and strategies for leveraging data in various industries.

The interactive nature of the lecture encourages questions and discussions, fostering a collaborative learning environment. Attendees will gain insights into current trends in data analytics and BI, preparing them for future careers in this rapidly evolving field. Networking opportunities with alumni will also be available, allowing participants to connect with professionals who have successfully navigated their paths in data-driven roles. Ultimately, the objective is to empower participants with the skills and knowledge necessary to thrive in a data-centric world, inspiring them to harness the power of data for innovative solutions.

The Programme started at 02:00 pm by **Mr. V. Naveen, Assistant Professor, Department of CST** with a grand welcome to the Resource Person, HOD, Faculty members and participants.

CST Department IEEE Student Branch faculty Coordinator, **Mr. K. Giridhar,** Assistant Professor, Department of CST, MITS, Madanapalle conveyed his sincere thanks to the IEEE Student Branch-MITS, Resource person, Management, Principal, Vice Principals, Deans, all the HODs, Faculty members for giving this opportunity for conducting Online guest lecture. Then he invited HOD, Department of CST to address the gathering.

Dr. K. Dinesh, HOD, Department of CST heartily invited Resource person for the Alumni Guest lecture. He discussed few things about SQL and Business Intelligence, its importance to the society, how to utilize various Database platforms. Discussed about the Importance of Alumni Student in making the junior students to get success in their career, how Alumni guest is helping in moulding the student career in all aspects.

Mr. D. Suresh, Assistant Professor, Department of CST, MITS gave few words about the event on Database technologies and usage to the engineers. And thanked organizers and participants for conducting this event. He handed over the session to the Resource person.

The **Resource person** (Ms. K Poojitha Reddy) started the session by extending his heartily thanks to the participants organizing members, HOD, Principal and Management of MITS, Madanapalle for giving her the opportunity to share her knowledge and experience in **"Visualizing and Analyzing with SQL and Business Intelligence "**.

The resource Person delivered Guest Lecture on the following topics:

1. Introduction to SQL and Data Analysis
2. Fundamentals of Business Intelligence
3. Data Visualization Best Practices
4. SQL Queries for Data Retrieval
5. Advanced SQL Techniques
6. Integrating SQL with BI Tools
7. Creating Interactive Dashboards
8. Data Cleaning and Preparation
9. Visualizing Data with Charts and Graphs
10. Case Studies in Data Analysis
11. Performance Metrics and KPIs
12. Data Storytelling through Visualization
13. Real-time Data Analytics
14. Trends in Business Intelligence
15. Career Pathways in Data Analytics and BI

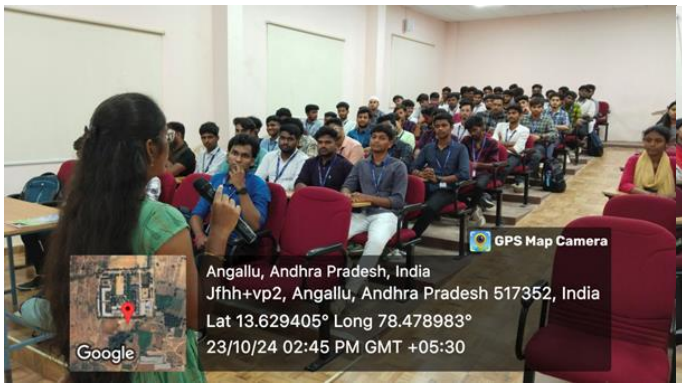
Queries and Feedback session:

- Students asked queries on SQL, Database platforms and its related areas, Resource person answered for all those queries.
- Students given feedback on the Alumni guest lecture and said they felt happy for involving in this type of session as they got clear picture about SQL and Business Intelligence.

Take Away from Session:

- Students understood the Basics, areas and Importance of Database Systems, SQL
- Students know the few platforms for SQL
- Students got the idea of how to work with SQL and idea about few Databases related platforms

The session ended by **Dr. K. Dinesh, Associate Professor, Head, Department of CST, MITS,** thanking the resource person, faculty members and students and expressed her gratitude to the Management and Principal for giving permission and financial support to organize this programme.



Vote of Thanks:

The session was concluded at 04:00 pm followed by a vote of thanks, given by CST Department IEEE Student Branch faculty Coordinator, **Dr. K. Giridhar**, Assistant Professor, Department of CST, MITS, Madanapalle.