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**MADANAPALLE INSTITUTE OF
TECHNOLOGY & SCIENCE**
(UGC-AUTONOMOUS INSTITUTION)

Report on Guest Lecture on “Employability Initiative for Next Generation Using Business Intelligence”

Organized by Department of Computer Science & Engineering

Date: 29/11/2023



Participants: III Year B.Tech Sec D – Computer Science & Engineering Students – MITS

Submitted by: Mr. Hemanand Chittapragada M.Tech., Assistant Professor, Mr. M. Mohan M.Tech., Assistant Professor, Department of Computer Science & Engineering.

The Department of Computer Science & Engineering organized a guest lecture titled “Employability Initiative for Next Generation Using Business Intelligence” at the MITS campus on November 29, 2023. The objective was to educate students about the importance of Data Analytics, handling Data using Power BI tool and its opportunities in real time with Power BI. The event commenced with an inauguration in Scale-up Class Room (EB) at 10:10 AM, with the participation of 40 attendees.

Topics for the session

- Data Analytics Overview
- Introduction to Business Intelligence
- Introduction to Power BI tool
- Practical session on Power BI with dataset.

Inauguration: The inaugural session started at 10:10 AM on Microsoft Teams. Event Coordinator, Mr. Hemanand Chittapragada, M.Tech., Assistant Professor, gave the Welcome Address, briefed about this event, followed by enlighten motivation to students by Dr. Kalpana , HoD-CSE and handed over the session to the Chief Guest, Dr. Ch. Raja Ramesh, Associate Professor, Vignan Institute of Technology and Science, Hyderabad.

Chief Guest Lecture: Dr. Ch. Raja Ramesh, Associate Professor, Vignan Institute of Technology and Science, Hyderabad, provided a concise introduction to Data Analytics and different ways to understand data efficiently. He outlined the basic steps in preprocessing the data like collection, cleaning, transformation, and analyzing the data to extract the meaningful insights to make proper decision making.

He explained about the importance of Business Intelligence (BI) and how business makers take the decisions based on understanding the data. He briefed the key components of BI and benefits of BI in the real world. BI is a technology process for analyzing the data and delivering actionable insights to make better decisions. He extended his knowledge with strategies, tools and Technologies used by organizations to collect, store, integrate, analyze and visualize data from different sources. He outlined types of BI and introduced different tools used for data visualization.

Later he shown the Power BI tools and explained the environment of Power BI tool. Power BI is a Business Intelligence tool developed by Microsoft. He shown the features of Power BI like Data connectivity, Data

Modeling, Data Visualization, Dash Board and viewing the reports and collaboration. AI power insights are more attractive feature of Power BI. He gave the basic difference between the other tools like Tableau with Power BI.

Outcome:

- Students gained the knowledge on Data Analytics and its key concepts, improved decision making by reducing risk and better resource allocation.
- Students able to understand how the efficiency and productivity should be improved by automating the tasks, streamlining the processes and improved communication and Collaboration.
- Students enriched their knowledge in greater agility and responsiveness by identifying trends and opportunities, respond to crisis and they are able to understand the how to enhance innovation and new product Development.
- Exposure to live case studies of data, visualization of data and viewing the reports and other operations on Power BI tool.
- Students able to understand “How to operate Power BI tool and how the tool is useful in improving Business Performance and increase confidence in ability to work with data.

Vote of Thanks: Mr. Hemanand Chitrapragada, M.Tech., Assistant Professor, proposed a vote of thanks. He thanked the event's Chief Guest, Dr. Ch. Raja Ramesh, Associate Professor, Vignan Institute of Technology and Science, Hyderabad, for delivering the talk. He expressed gratitude to the students, HOD, Principal, and the Management for their support in conducting the guest lecture. He extended his thanks to all the supporting faculties.