

Brief Report: Workshop on Power BI by Magic Bus.

Resource Person: Mr. K. Nivas Reddy –AI Trainer at Magic Bus AI Foundation (Funded by Infosys Technologies, Hyderabad).

Date: 1st July 2026(Wednesday)

Time: 10:00 AM

Participants Type: MBA I YEAR II SEM students

No of Participants: 54



The banner is a rectangular graphic with a light blue background and a dark blue border. It features the Nalla Narasimha Reddy Group of Institutions logo on the top left and a NAAC accreditation logo on the top right. The main text is centered and reads: 'NALLA NARASIMHA REDDY Education Society's Group of Institutions - Integrated Campus (UGC AUTONOMOUS INSTITUTION) SCHOOL OF MANAGEMENT SCIENCES in association with Magic Bus AI Foundation (Funded by Infosys Technologies) Hyderabad Organizes A Workshop on Power BI'. At the bottom, there are three dark blue boxes containing the date 'Date: 01-07-2026', venue 'Venue: MBA Seminar Hall', and time 'Time: 10:00 AM'.

The School of Management Sciences, Nalla Narasimha Reddy Education Society's Group of Institutions, organized a **Workshop on Power BI** in association with the **Magic Bus AI Foundation (Funded by Infosys Technologies)**, Hyderabad on **1st July 2026** at **10:00 AM** in the MBA Seminar Hall.

Introduction

The primary aim of the workshop was to equip MBA students with practical knowledge of **Microsoft Power BI**, one of the most widely used Business Intelligence (BI) tools in the corporate sector. With organizations increasingly relying on data-driven decision-making, the workshop focused on teaching students how to collect, clean, analyze, and visualize data to generate meaningful business insights.

The session combined theoretical explanations with live demonstrations and practical exercises, enabling students to understand how Power BI can transform raw business data into interactive dashboards and reports. The workshop highlighted the importance of business analytics, data visualization, and reporting in improving organizational performance and strategic decision-making.

Objectives of the Workshop

The workshop was conducted with the following objectives:

- To introduce students to the fundamentals of Microsoft Power BI and Business Intelligence.
- To understand the importance of data analytics in modern business organizations.
- To provide hands-on experience in importing and managing data from multiple sources.
- To teach students the process of cleaning and transforming data using Power Query Editor.
- To explain different data visualization techniques available in Power BI.
- To enable students to create professional dashboards and reports.
- To introduce basic Data Analysis Expressions (DAX) for calculations and business analysis.

Summary of the Learning

The resource person explained how businesses use Power BI to monitor sales performance, analyze customer behavior, generate financial reports, and improve operational efficiency. Participants were then introduced to the Power BI Desktop interface, including its key components such as the Report View, Data View, Model View, and Ribbon. Students learned how to import data from Excel spreadsheets and other external data sources into Power BI.

A major part of the workshop focused on data preprocessing, where participants gained practical knowledge of data cleaning techniques such as removing duplicate records, replacing missing or incorrect values, renaming columns, changing data types, filtering unnecessary records, and transforming data using the Power Query Editor. The trainer emphasized that clean and accurate data is the foundation for reliable analysis and meaningful business insights.

The session also covered data visualization, during which students learned to create a variety of visual reports, including bar charts, column charts, pie charts, line charts, tables, matrix reports, cards, maps, and KPI visuals. Through these activities, participants understood how effective visualizations help organizations identify trends, compare performance, monitor key metrics, and communicate insights clearly for better decision-making.

The workshop also covered **data modeling**, where relationships between different tables were established to create a unified data model. Students learned the importance of primary keys, foreign keys, and relationships in building accurate reports.

The trainer introduced **Data Analysis Expressions (DAX)**, explaining how calculated columns and measures are created. Students practiced writing simple DAX formulas to calculate totals, averages, percentages, and other business metrics. An important part of the workshop focused on designing **interactive dashboards** using slicers, filters, bookmarks, and drill-through features. Students observed how users can interact with dashboards to analyze information from different perspectives.

The session also included demonstrations on publishing reports, sharing dashboards, and generating business reports that can support managerial decision-making. Throughout the

workshop; students actively participated in practical exercises, allowing them to gain confidence in using Power BI for real-world business scenarios.

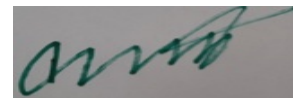
Learning Outcomes

After successfully attending the workshop, students were able to:

1. Understand the fundamentals of Business Intelligence (BI) and Microsoft Power BI.
2. Import, clean, and transform data using Power Query.
3. Create interactive dashboards and visualizations to analyze business data.
4. Apply basic data modeling and DAX functions to generate meaningful insights.
5. Enhance analytical, problem-solving, and decision-making skills for real-world business applications.

Conclusion

The Power BI Workshop was a highly informative and practical learning experience that enhanced students' understanding of Business Intelligence and data analytics. Through hands-on training, participants developed skills in data preprocessing, visualization, dashboard creation, and report generation using Microsoft Power BI. The workshop successfully connected theoretical knowledge with industry practices, strengthening students' analytical and decision-making abilities while preparing them for careers in today's data-driven business environment.



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