



A.V.C. COLLEGE OF ENGINEERING

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Mannampandal, Mayiladuthurai District, Tamilnadu-609305



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on

2 Days - WORKSHOP ON



'DataScience with PowerBI'

Date: **16/08/2024 – 17/08/2024**

The 2-day workshop on 'Data Science with Power BI' was held at the CSE Seminar Hall on 16th August 2024. This workshop was designed to equip participants with a solid understanding of data science principles and practical experience with Power BI, a leading tool for data visualization and analysis.

The workshop opened with a welcome address by **Ms. Mahima J**, a third-year CSE student, who emphasized the significance of data science in the modern technological landscape and the growing importance of tools like Power BI in driving business intelligence.

Introduction to the Resource Persons
Mr. Vimal Dharshan V and **Ms. Swathilakshmi K**, both third-year CSE students, introduced the esteemed resource persons:

- **Mr. K. Rajkumar**, a 2016 Batch Alumnus and Senior Engineer in Product and Platform Engineering at Altimetrik, Chennai.
- **Ms. S. Santhini Devi**, a 2023 Batch Alumnus and Executive - Technical Consultant at Amphisoft Technologies Pvt. Ltd., Coimbatore.

Dr. S. Padmapriya, honoured the resource persons with a memento. The introductions highlighted their expertise in data science and experience with Power BI, setting the stage for the workshop's technical sessions.

The core session on Data Science with Power BI was conducted by **Mr. K. Rajkumar** and **Ms. S. Santhini Devi**. They provided participants with a detailed introduction to data science, focusing on how Power BI can be utilized to transform raw data into insightful visualizations.

Day 2 - Practical Applications and Visualizations

The second day of the workshop focused on hands-on experience with Power BI, where participants engaged in practical exercises and visualizations, applying the concepts learned on the first day.

Key Activities

- **Data Importing and Preparation:** Participants were guided through the process of importing data from various sources into Power BI, followed by data cleaning and preparation techniques essential for accurate analysis.
- **Creating Interactive Dashboards:** The resource persons demonstrated how to create interactive dashboards, allowing participants to visualize data dynamically. Techniques such as filtering, slicing, and drilling down into data were covered in detail.
- **Advanced Visualization Techniques:** The session included creating advanced visualizations such as heat maps, scatter plots, and custom charts. Participants learned how to tailor these visualizations to meet specific analytical needs.
- **Real-time Data Analysis:** The workshop concluded with exercises on real-time data analysis using Power BI, showcasing how the tool can be leveraged to monitor live data streams and make informed decisions quickly.

The second day concluded with feedback by the students and a vote of thanks delivered by **Ms. Harini S**, a third-year CSE student, expressing gratitude to the resource persons, participants, and the organizing team.

Photos



Honoring the resource Person



Honoring the resource Person



Ms. Mahima, Welcoming the gathering



Mr. Vimaldharshan, III CSE introducing the resource Person



Participants during the Workshop



Participants during the Practical session