



ANJUMAN-I-ISLAM'S

**KALSEKAR TECHNICAL CAMPUS, NEW PANVEL**

Approved by : All India Council for Technical Education, Council of Architecture, Pharmacy Council of India New Delhi,  
Recognised by : Directorate of Technical Education, Govt. of Maharashtra, Affiliated to : University of Mumbai.

SCHOOL OF ENGINEERING & TECHNOLOGY

SCHOOL OF PHARMACY

SCHOOL OF ARCHITECTURE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (Data Science)

# Workshop: Power BI

**Event Title:** Power BI Workshop

**Date:** 16 February 2026

**Time:** 10:30 AM – 5:00 PM

**Venue:** Data Lab

**Mode:** Offline

## Event Overview

The Power BI Workshop was organized by the DataNexus Club (DNC), S4DS Student Chapter, to provide structured, hands-on training in Business Intelligence and Data Visualization using **Microsoft Power BI**.

The workshop aimed to equip students with practical competencies in data analysis, dashboard development, and data-driven reporting. Designed as a beginner-friendly session, it required no prior experience and focused on building strong foundational and applied skills.

A total of 50+ participants were enrolled. The workshop was conducted offline at Data Lab and aligned with both academic requirements and industry standards.

## Introduction of the Speaker

The workshop commenced with a formal introduction of **Prof. Surendra Diwakar** by *Mr. Raouf Shaikh*.

Mr. Shaikh highlighted Prof. Diwakar's academic expertise and professional experience in the domains of Data Analytics, Business Intelligence, and Data Visualization. He emphasized the speaker's contributions to guiding students in understanding the practical applications of analytical tools and bridging the gap between theoretical knowledge and real-world implementation.

The introduction set a professional tone for the workshop and underscored the relevance of Power BI in current industry practices.

## Workshop Structure and Content

The session was conducted in a structured format, combining conceptual explanations with hands-on implementation.

### 3.1 Fundamentals of Business Intelligence

The workshop began with an overview of:

- Core concepts of Business Intelligence (BI)
- The importance of data-driven decision-making

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- The role of dashboards and reports in organizations
- An introduction to the Power BI ecosystem

Participants were introduced to the interface and architecture of Microsoft Power BI, including Power Query, Data Modeling, and Visualization components.

### 3.2 Data Import and Transformation

Students were trained in:

- Importing datasets from Excel and other sources
- Data cleaning and preprocessing using Power Query
- Handling missing values and formatting inconsistencies
- Applying data transformation techniques

This segment emphasized real-world data preparation processes that are essential in analytics workflows.

### 3.3 Data Modeling

The session included:

- Creating relationships between tables
- Understanding data models
- Developing calculated columns and measures

Participants applied basic calculations to enhance reporting capabilities and generate meaningful analytical insights.

### 3.4 Dashboard Development

Students developed interactive dashboards incorporating:

- Charts and graphical visualizations
- Filters and slicers
- Card and Map
- Various kind of charts

The focus remained on creating professional and interactive dashboards aligned with business reporting standards.

## Academic Integration

The workshop held academic significance for Third Year (TE) students. Attendance contributed toward the practical completion of Data Visualization under the subject DAV (Data Analytics and Visualization).

## Objectives of the Workshop

- To introduce students to Business Intelligence tools and methodologies.
- To provide practical exposure to Microsoft Power BI for data analysis and visualization.



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- To enhance dashboard development and reporting skills.
- To strengthen analytical thinking and problem-solving abilities.
- To integrate academic coursework with industry-relevant tools.

## Key Outcomes

- **Technical Skill Enhancement:** Participants gained hands-on experience in data transformation, modeling, and dashboard creation.
- **Improved Analytical Competence:** Students developed the ability to interpret datasets and generate structured insights.
- **Industry-Relevant Exposure:** The workshop strengthened students' familiarity with a widely used Business Intelligence platform.
- **Academic Benefit:** TE students successfully completed the required practical components linked to their coursework.
- **Certification:** All participants received an e-certificate upon successful completion of the workshop.

## Vote of Thanks

The workshop concluded with a formal Vote of Thanks delivered by *Mr. Raouf Shaikh*.

He expressed his sincere gratitude to Prof. Surendra Diwakar for conducting an informative and practical session that significantly enhanced students' understanding of Business Intelligence and Data Visualization. *Mr. Shaikh* acknowledged the speaker's valuable time, guidance, and efforts in delivering a comprehensive hands-on learning experience.

He also extended his appreciation to *HoD* of Data Science and *Dr. Renuka Chimankare*, the organizing committee of the DataNexus Club (DNC), S4DS and all participants for their active involvement and cooperation in ensuring the successful execution of the workshop.

## Conclusion

The Power BI Workshop organized by the DataNexus Club (DNC), S4DS Student Chapter, was successfully conducted and achieved its intended academic and skill-development objectives.

The session effectively combined theoretical concepts with practical implementation using Microsoft Power BI, enabling students to develop industry-relevant competencies in data visualization and analytical reporting.

Under the coordination of Dr. Renuka Chimankare, the initiative reinforced the importance of data-driven decision-making and strengthened students' readiness for academic and professional challenges in the field of Data Analytics.

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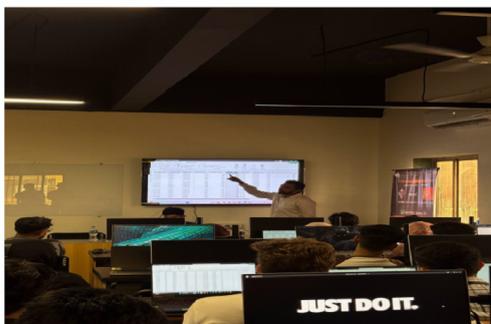


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