



A

Comprehensive Report

on the

# **Power BI Workshop and Dashboard Competition**

3-Day Event at VPKBIET Baramati

**Date: March 3rd – March 5th, 2025**

**Conducted by**

Google Developer Group (GDG) AI/ML Team

**Swanand Aragade(Lead), Vedant Dhamale, Harshad Ghutukade, Rohit Salke**

**Organized by**

Google Developer Group (GDG) On Campus Organizer

**Neha Chhajer**

**Mentor**

**Dr.Mrs. G.J. Chhajer**

Head of Department , Computer Engineering

Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology  
(VPKBIET), Baramati

**Prepared by: GDG AI/ML Team, VPKBIET, Baramati**

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## Introduction

The Power BI is a trending tool for dashboard design. In view of that Power BI Workshop and Dashboard Competition, hosted by the Google Developer Group (GDG) AI/ML Team at VPKBIET, Baramati , was a landmark event held from **March 3rd to March 5th, 2025**. This 3-day initiative aimed to equip students with cutting-edge data analytics and visualization skills using **Microsoft Power BI**, a leading business intelligence tool.

The event attracted over **70 enthusiastic participants**, primarily second and third year engineering students, who engaged in hands-on learning, tackled real-world datasets, and showcased their creativity through dashboard development. The event fostered a vibrant learning environment, blending technical skill-building with collaborative problem-solving.

### Key Objectives:

- Introduce students to Power BI's core and advanced functionalities.
- Provide practical experience with Data Analysis Expressions (DAX) and real-time data integration.
- Promote teamwork, analytical thinking, and effective data storytelling.
- Highlight student talent through a competitive dashboard-building challenge.

### Workshop Venue:

- Project lab, Computer Engineering department

## Workshop Overview

The first two days of the event were dedicated to an immersive **Power BI Workshop**, covering essential and advanced topics to build a strong foundation in data analytics. Key areas included:

- **Data Integration:** Connecting to diverse data sources such as Excel, CSV, and SQL databases.
- **Data Transformation:** Using Power Query for cleaning, shaping, and preparing data.
- **Visualization:** Creating interactive reports and dashboards with charts, graphs, maps, and KPI indicators.
- **DAX Fundamentals:** Writing measures and calculations for deeper insights.

The sessions were highly interactive, featuring **project-based learning** where participants built dashboards from scratch. Participants worked with **real-time data**, enabling them to address practical business challenges from various industries like **finance, healthcare, and education**.



(a) Participants in a Power BI training session



(b) Hands-on dashboard creation activity

Figure 1: Highlights from the Power BI Workshop.

## Power BI Dashboard Competition

The culminating event on the third day was the **Power BI Dashboard Competition**, where participants formed teams to design and present dashboards. Each team was tasked with transforming raw data into compelling visual stories, demonstrating both technical expertise and creativity.

### Judging Criteria:

- **Data Storytelling:** Clarity and narrative flow of insights.
- **Design Aesthetics:** Visual appeal and user-friendly layouts.
- **Technical Proficiency:** Effective use of DAX, measures, and interactive filters.
- **Creativity:** Innovative approaches to presenting data-driven insights.

The competition was fiercely contested, with the **top 3 teams** receiving trophies for their exceptional dashboards. All participants received official certificates from GDG in recognition of their participation and learning achievements.



(a) Team presenting their dashboard to judges



(b) Award ceremony for top-performing teams



(c) Award ceremony for 2nd top teams

(d) Award ceremony for 3rd top teams

Figure 2: Moments from the Dashboard Competition



(a) GDG on Campus organizer and In-charge Principal

(b) AI/ML lead (Speaker) and Mentor



( c ) GDG Team

## Event Highlights

The Power BI Workshop and Dashboard Competition was a dynamic blend of learning, innovation, and collaboration. Key highlights include:

- **Diverse Participation:** Students from multiple engineering disciplines, including Computer Science, IT, and Electronics, collaborated on interdisciplinary teams.
- **Industry-Relevant Skills:** Exposure to tools and techniques used by data professionals globally.

- **Community Building:** Strengthened the GDG VPKBIET community, fostering connections among students, mentors, and organizers.
- **Inspiring Outcomes:** Dashboards created during the competition addressed real- world challenges, such as healthcare analytics and financial forecasting.
- **Recognition:** Trophy awards for top three teams and official GDG certificates for all participants.

## Competition Judging Panel

The competition was evaluated by a distinguished panel of judges who provided valuable feedback and insights to the participants:

- **Dr. Mrs. Gyankamal Chhajer** – Mentor and Faculty judge who provided academic , industry and technical perspective on the data analytics applications.
- **Mrs. Veena Sakhare** - Faculty judge who evaluated the technical implementation of the dashboards.
- **Dr. Parashuram Chitrakar** - Principal In-Charge who supported the event and encouraged participants throughout the competition.

The judges assessed each team's work based on technical implementation, analytical depth, visual design, and presentation skills.

## Acknowledgements

The success of this event was made possible by the dedication of our speakers, organizing team, mentor and enthusiastic participants whose efforts ensured a seamless and impactful experience.

### Speakers

We extend our heartfelt thanks to gratitude to:

- **Swanand Aragade** (GDG AI/ML Lead) – For providing deep insights into Power BI and guiding participants through projects using real-time data, demonstrating various visualization techniques including graphs, KPI charts, and maps.
- **Vedant Dhamale**(GDG AI/ML Team Member) – For his sessions on DAX (Data Analysis Expressions) queries and calculation techniques in Power BI.
- **Harshad Ghutukade, Rohit Salke** (GDG AI/ML Team Member) and **Aditya Gurav** (GDG WebDev Team Member) – For their exceptional mentorship, hands- on guidance, and technical support throughout the workshop and competition.

### Organizing Team

Special recognition goes to:

- **Neha Chhajed** – GDG On-Campus Organizer, for her outstanding leadership, coordination, and active contribution to all aspects of the event.
- **Management Team: Varad Borawake, Atharva Sangar, Sahil Pawar, Mansi Chavan** – For efficiently handling logistics, permissions, registrations, and event execution.
- **Social Media Team** led by **Shreyas Sawant** – For documenting the event and capturing key moments.
- **GDG Leads: Pratiksha Relekar, Akshata Nale, Jay Mane** – For their strate- gic guidance and promotional efforts.

### Mentor

We extend our heartfelt gratitude to:

- **Dr. Mrs. Gyankamal J. Chhajed** – For guiding, encouraging , motivating and supporting throughout the Power BI workshop with various roles and responsibilities from organization to execution.

**Institutional Support**

We thank **VPKBIET Baramati** for providing state-of-the-art facilities and unwavering support, enabling us to host this event on campus. The encouragement from the faculty and administration was instrumental in its success.

## Leadership Reflection

As the GDG Lead organized this workshop, the experience provided valuable opportunities to strengthen leadership, managerial, and organizational skills. The event's success demonstrated the power of effective coordination across multiple teams:

- **Technical Expertise:** The AI/ML team provided specialized knowledge in data analytics and Power BI functionality.
- **Logistics Management:** The management team ensured smooth operations throughout the three-day event.
- **Documentation:** The social media team captured and shared key moments, extending the event's impact.

The collaborative spirit exhibited by all team members highlighted how teamwork can transform a workshop into a truly impactful learning experience.

## Conclusion

The Power BI Workshop and Dashboard Competition marked a significant milestone in advancing data literacy at VPKBIET. By bridging theoretical knowledge with practical application, the event empowered students to harness the power of data analytics and visualization.

The success of this initiative demonstrates the value of hands-on learning experiences and the importance of fostering technical skills that are highly relevant in today's data-driven world. Beyond technical skill development, the event created a platform for collaboration, creativity, and community building among students.

We celebrate the enthusiasm and creativity of all participants and congratulate the winning teams for their remarkable dashboards. The GDG AI/ML Team remains committed to organizing future initiatives that inspire innovation and foster a thriving tech community.