Introductory Power BI Workshop – Event Report

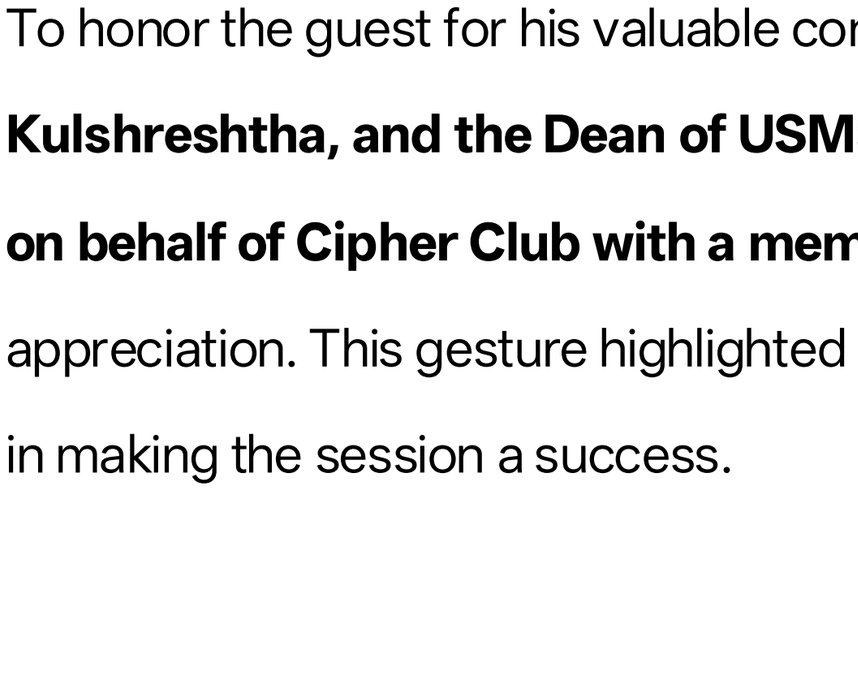
Date: 22 Feb. 25
Time: 1:00 PM – 4:16 PM
Venue: D 410
Speaker: Rishabh Verma
Organized by: Cipher Club, USMS, GGSIPU

Workshop Overview

The **Power BI Workshop** was successfully conducted with an enthusiastic group of participants eager to learn about **business intelligence, data visualization, and analytics**. The session focused on **hands-on learning**, covering various aspects of Power BI, from fundamental concepts to advanced functionalities. The workshop aimed to help students understand how to leverage Power BI for data-driven decision-making across different industries.

Our speaker, **Rishabh Verma**, was incredibly **interactive and patient** with the participants, ensuring that everyone grasped the concepts effectively. He took the time to address individual doubts, explain complex topics in a simplified manner, and engage the students with practical examples. His teaching style made the session highly engaging, and the students enjoyed learning through real-world case studies and hands-on exercises

To honor the guest for his valuable contribution, **our faculty coordinator, Ms. Shitika Kulshreshtha, and the Dean of USMS, Dr. Udita Taneja, facilitated Rishabh Verma on behalf of Cipher Club with a memento, a diary, and a pen** as a token of appreciation. This gesture highlighted our gratitude for his time, knowledge, and efforts in making the session a success.





Key Topics Covered

✅ **Introduction to Power BI** – Understanding its importance, user-friendliness, and growing demand in the job market.

✅ **Power BI Interface&Key Components** – Exploring **Desktop, Service, and Mobile applications**.

✅ **Data Connectivity&Transformation** – Connecting to **Excel** and using **Power Query** for data cleaning and transformation.

✅ **Understanding KBQs (Key Business Questions)** – Learning how to **frame and answer the right questions** for data-driven decision-making.

✅ **Power BI’ s M Language** – Understanding how **M Language** helps in data

transformation and automation.

✅ **Data Modeling & Relationships** – Explanation of **Active vs. Inactive relationships**, **One-to-Many vs. Many-to-Many**, and **Star Schema vs. Snowflake Schema**.

✅ **Data Analysis Expression (DAX)** – Implementing **SUM(), AVERAGE(), COUNT(), CALCULATE()**, and other essential functions.

✅ **Creating Dashboards&Visualizations** – Using **Bar Charts** and **Line Charts** for insightful analysis.

✅ **KPI Library** – Understanding **Key Performance Indicators (KPIs)** and their role in dashboard creation.

✅ **User Acceptance Test (UAT)** – Ensuring **data accuracy and dashboard functionality** before final deployment.

✅ **Delimiter – Separator Concept** – Handling different types of **delimiters** in data processing for structured reporting.

✅ **Power BI Performance Optimization** – Best practices to **optimize DAX calculations, reduce excessive visuals, use aggregated tables**, and enhance report efficiency.

✅ **Real-World Implementation** – Case studies on **Sales&Revenue Forecasting, Financial Reporting, and Employee Performance Tracking**.

✅ **Common Pitfalls&Best Practices** – Avoiding **cluttered dashboards**, ensuring **clear labels, effective data storytelling, and performance optimization**.

✅ **Power BI Career Guidance&Interview Questions** – Exploring key roles like **BI Analyst, Data Analyst, Power BI Developer**, along with **common interview questions** and career tips.



Workshop Highlights

✔ **Live Demos&Hands-On Learning** – Participants worked on **real datasets**, connected to data sources, and created **interactive dashboards** using Power BI.

✔ **Engaging&Interactive Teaching** – **Rishabh Verma's patient and interactive approach** made the session enjoyable, allowing students to comfortably ask questions and explore Power BI functionalities.

✔ **Interactive Q&A Sessions** – The workshop encouraged **active participation**, enabling students to clarify doubts and discuss Power BI applications in-depth.

✔ **Networking&Collaboration** – Students had the opportunity to **connect with peers and industry professionals**, enhancing their learning journey.

✔ **Practical Case Studies** – Showcasing **real-world Power BI implementation** across various industries, helping students **understand practical applications** beyond theoretical concepts.



Conclusion

The **Power BI Workshop** was a resounding success, equipping participants with **valuable technical skills, business intelligence knowledge, and hands-on experience**. The students found the session **engaging, insightful, and highly practical**, allowing them to explore Power BI’ s potential in **data-driven decision-making**.

A huge **thank you** to our speaker, **Rishabh Verma**, for his **interactive and patient teaching style**, and to all the participants for their enthusiastic engagement. The workshop not only strengthened their understanding of Power BI but also sparked their interest in **data analytics and business intelligence**.

💡 **End Time: 4:16 PM**