



# NEW HORIZON COLLEGE OF ENGINEERING

## **EVENT NAME: Workshop on “Data Cleaning and Dashboard Creation Using Power BI”**

Organized by  
Department of MCA

DATE: 17<sup>th</sup> January 2025

VENUE: MCA Lab

### **BRIEF DESCRIPTION OF THE EVENT:**

The workshop, *Data Cleaning and Dashboard Creation Using Power BI*, provided a hands-on learning experience for students to develop their data preparation, transformation, and visualization skills. It was organized for MCA students to learn the experiences of Power BI for data-driven decision-making.

### **Topics Emphasized:**

- **Understanding Power BI**  
The session began with an overview of Power BI, covering its core components such as Power Query, Data Modeling, and the Visualization pane. Participants were introduced to its intuitive interface and its broad range of business intelligence capabilities.
- **Data Cleaning Techniques**
  - **Importing Data:** The session demonstrated how to import data from multiple sources, including Excel, CSV files, and databases.
  - **Data Transformation:** Attendees learned to use Power Query Editor to clean datasets, handle missing values, remove duplicates, and standardize formats.
  - **Advanced Cleaning:** Techniques like unpivoting columns, merging datasets, and creating calculated columns were explored.
- **Data Modeling**  
Participants gained insights into creating relationships between tables and utilizing the DAX (Data Analysis Expressions) language for calculated measures and columns. This step emphasized structuring data effectively to ensure seamless analysis.

- **Dashboard Creation**

- **Visualization Best Practices:** The workshop stressed the importance of clarity and user-centric design in dashboards.
- **Building Visuals:** Attendees created interactive visuals such as bar charts, line graphs, slicers, and cards.
- **Interactivity:** The session covered adding filters, drill-throughs, and bookmarks to enhance the dashboard's functionality.

**Outcomes:** By the end of the session, students were able to:

- Clean and transform raw data using Power BI's Power Query Editor.
- Develop a well-structured data model with relationships and calculated fields.
- Create dynamic and visually appealing dashboards tailored to specific business needs.

**ACTIVITIES CONDUCTED:**

- **Case Study and Practical Application:** A case study was presented where students applied the acquired techniques to transform raw data into an insightful dashboard, showcasing trends, KPIs, and actionable insights.
- **Q&A and Discussion:** The session addressed participant queries and explored additional features of Power BI, providing valuable insights into its advanced functionalities. Additionally, it focused on sharing best practices for dashboard design and data storytelling, ensuring that participants could create impactful and visually compelling dashboards to communicate insights effectively.

**NO. OF PARTICIPANTS: 68**

**WINNERS (if any, for activities conducted): NA**

**GUEST DETAILS (Name, Designation, Organisation, Location) :**

**Mr. Vikram Sundar**

**Freelance Data Analyst**

**Bangalore**

# PHOTOGRAPHS OF THE EVENT:




Department of Master of Computer Applications


**Workshop**

## Data Cleaning and Dashboard Creation Using Power BI

 17 January 2025

 10:00 AM - 01:00 PM

 3<sup>rd</sup> Sem Students

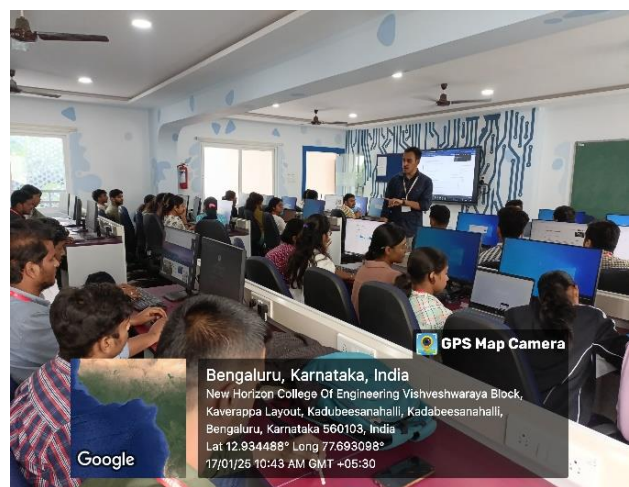
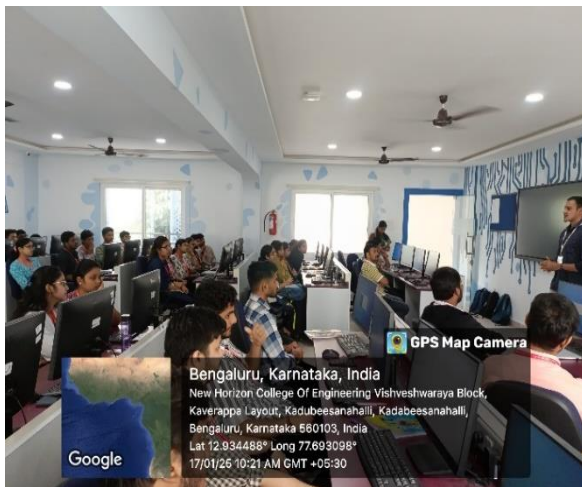
 MCA Lab

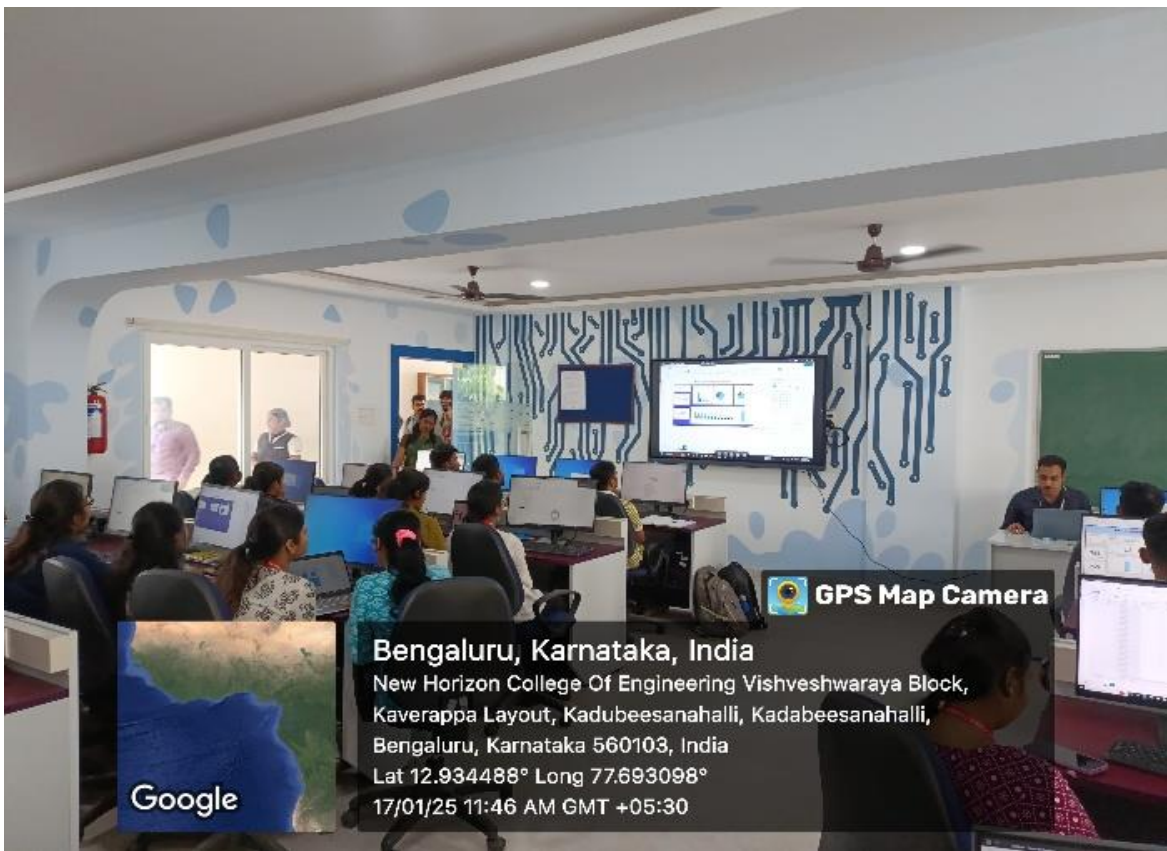
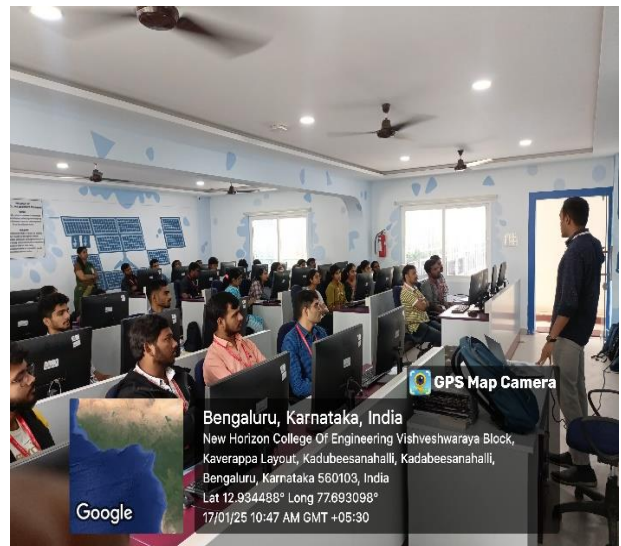
Faculty Coordinator  
**Dr. B Nithya Ramesh**  
Associate Professor - MCA

Convenor  
**Dr. Asha V**  
Professor & Head - MCA



**Mr. Vikram Sundar K**  
Freelance Data Analyst



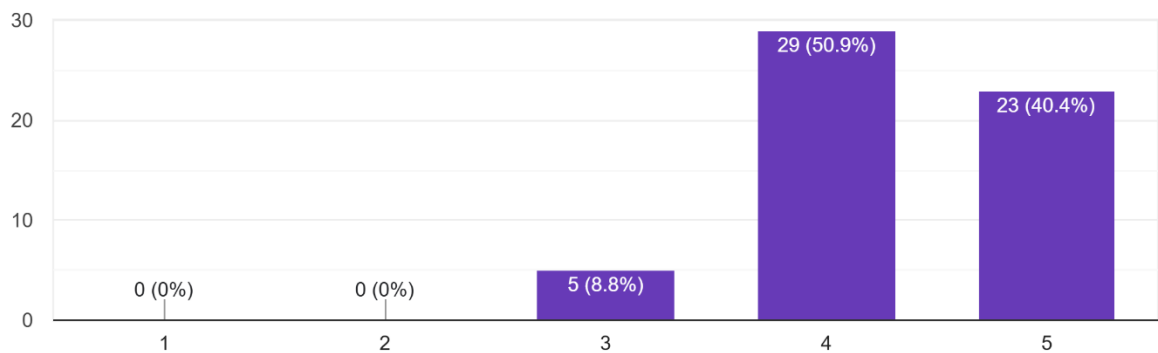




## FEEDBACK:

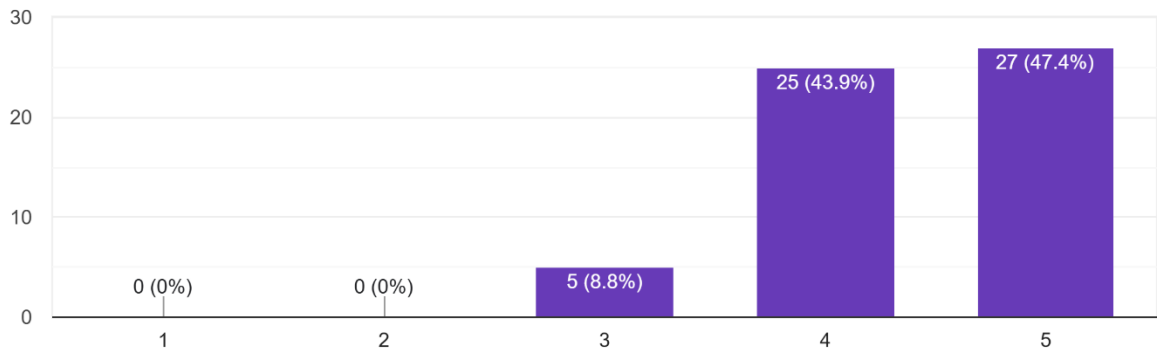
### Quality of the training content

57 responses



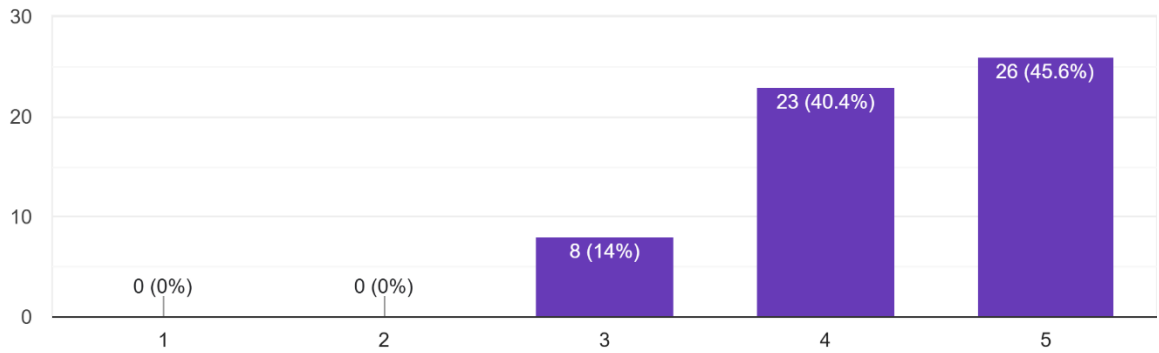
Clarity of the presentation.

57 responses



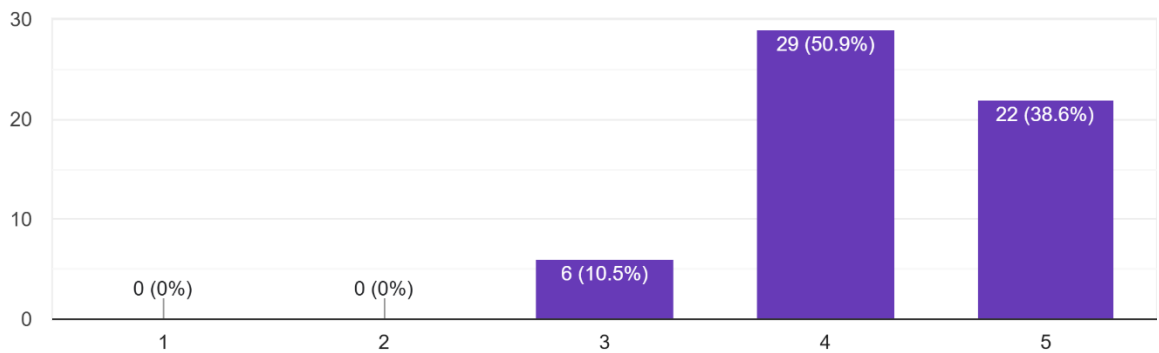
Effectiveness of the examples depicted during the session.

57 responses



Achievement level in understanding the topics

57 responses



**FACULTY COORDINATOR**

**Dr. B NITHYA RAMESH**

**HOD-MCA**

**Dr. ASHA**

**Attendance:**

<b>S. No</b>	<b>USN</b>	<b>Student Name</b>
1	1NH22MC016	ANOOPA KM
2	1NH22MC022	Ayush Sinha
3	1NH23MC001	Sinha
4	1NH23MC002	Abhishek
5	1NH23MC003	Abikrishnan R
6	1NH23MC004	Aditya M
7	1NH23MC007	Akash P
8	1NH23MC008	Akash sharma
9	1NH23MC009	Akshay Bharadwaj S
10	1NH23MC015	Angel Christina
11	1NH23MC023	Arpith m
12	1NH23MC024	Arpith P.A
13	1NH23MC025	Arpitha M S
14	1NH23MC034	Bharath V
15	1NH23MC035	BHATT VATSAL
16	1NH23MC037	Bhima kalyan kumar
17	1NH23MC041	Chaithra O G
18	1NH23MC042	Chandan rao
19	1NH23MC048	Dinesh K S
20	1NH23MC050	Durga Prasad RC
21	1NH23MC063	Ibrahim Pasha J
22	1NH23MC069	Kandula siva narayana reddy
23	1NH23MC072	KIRAN M SHET
24	1NH23MC081	Latha U S
25	1NH23MC082	Laxmi N
26	1NH23MC086	Manjunatha
27	1NH23MC091	Mohammed Rizwan
28	1NH23MC092	Monika Kumari
29	1NH23MC100	Nishi Singh
30	1NH23MC105	Pooja Manwani
31	1NH23MC106	Vishal Poojari
32	1NH23MC109	Pranjal Utkarsh
33	1NH23MC112	Prathviraj
34	1NH23MC113	PREETHIKA KS
35	1NH23MC122	Rani Kumari
36	1NH23MC124	Ravi Tej S
37	1NH23MC125	Revathy K
38	1NH23MC126	Rohith chenrayan
39	1NH23MC128	Sai Srinivasulu Reddy C H
40	1NH23MC131	Sarana Fathima
41	1NH23MC134	SHAIK KHASIM BASHA
42	1NH23MC135	Shaik Sadik Basha
43	1NH23MC137	Shama M U
44	1NH23MC144	Sneha N
45	1NH23MC152	Sumit Chakraborty
46	1NH23MC153	Supriya kumari

47	1NH23MC154	Sushanth SM
48	1NH23MC157	Swasti Swarup Mishra
49	1NH23MC158	Tanusree Paul
50	1NH23MC159	TAPAN DAHAL
51	1NH23MC161	ThanuShree CS
52	1NH23MC168	Phanindra Kumar
53	1NH23MC171	Vinayaka M S
54	1NH23MC173	Vinuta devi
55	1NH23MC178	Yashwanth M B
56	1NH23MC179	Yathrik D Shetty
57	1NH23MC182	Yuvraj
58	1NH23MC010	Amarnath Patro
59	1NH23MC011	Amit Yadav
60	1NH23MC012	Amratha
61	1NH23MC013	Amrit
62	1NH23MC014	Amrutha M
63	1NH23MC061	Hemanth K
64	1NH23MC062	Himavardhan R
65	1NH23MC067	K Vinisha
66	1NH23MC068	Mathan Basha
67	1NH23MC071	Karthik
68	1NH23MC073	Kiran R