



SIES Graduate School of Technology
Sri Chandrasekarendra Saraswati Vidyapuram
Sector v, Nerul, Navimumbai-400706

Department of Artificial Intelligence Machine Learning

Event Report

Student Development Program on Power BI (01/01/2024 to 05/01/24)

Event Information
Event Type: Value added Program
Event Topic: Power BI
Name of the Resource Person: Dr. Jyoti Chavhan, Prof. Sneha Tapre, Prof. Archana Arudkar, Mr. Akshay Kamble
Event date: 01/01/2024 to 05/01/2024
Organized for: SE, TE and BE students of all branches
Organized by: Artificial Intelligence Machine Learning Department
No of Students attended: 20
Attachments: <ol style="list-style-type: none">1. Event Description2. Photographs3. Attendance4. Impact Analysis

Event Description

Department of Artificial Intelligence Machine Learning of SIES Graduate School of Technology, Nerul, Navi Mumbai has successfully organized and conducted one week student development program on “Power BI” for SE, TE and BE students of AIML/IOT/AIDS/CE/ECS//IT/EXTC/PPT /Mechanical branch from 01/01/2024 to 05/01/2024.

Power BI is a business analytics tool developed by Microsoft. It is widely used for transforming raw data into meaningful insights through interactive and shareable dashboards, reports, and data visualization. Power BI is widely used in various industries for business intelligence and reporting purposes. Because of its powerful features, easy-to-use interface, and integration capabilities, it's a popular option for businesses trying to extract insights from their data.

The following are some of Power BI's salient characteristics:

- **Data Connectivity:**

Power BI allows you to connect to various data sources, including databases, Excel spreadsheets, cloud-based and on-premises data sources, web services, and more. This flexibility in data connectivity makes it easy to import and analyze data from diverse sources.

- **Data Transformation and Modeling:**

Power BI provides a range of data transformation and modeling tools. With Power Query, you can organize and clean your data, establish connections between various data tables, and construct a data model that meets your analytical requirements.

- **Data Visualization:**

Power BI's strong data visualization features are one of its advantages. A range of charts, graphs, maps, and tables can be used by users to build interactive reports and dashboards. Because of their great degree of customization, customers can easily adapt the visuals to meet their own needs.

- **DAX (Data Analysis Expressions):**

DAX is a mathematical language that Power BI uses to create custom aggregations and calculations on the data model. Users can design complex measurements and calculated columns in Power BI reports using DAX, providing more in-depth analysis.

- **Power BI Service**

This cloud-based platform allows you to work together on, share, and publish Power BI dashboards and reports. It helps team members collaborate and lets users view their reports from any location.

- **Power BI Desktop**

Users can create Power BI reports and dashboards on their local computers with this free standalone application. In order to create and design reports before submitting them to the Power BI Service, it offers an intuitive user interface.

Course Objectives:

- To understand basic concepts and terminology of Power BI.
- View and export data from dashboards and reports.
- Analyse the data model using DAX measures and calculated columns
- View filters that are used in a report.
- To Explain the relationship between dashboards and reports, visualizations, and tiles.
- Display action menus for tiles and details for report visualizations.
- To publish a desktop report to the Power BI Service

Course Outcome:

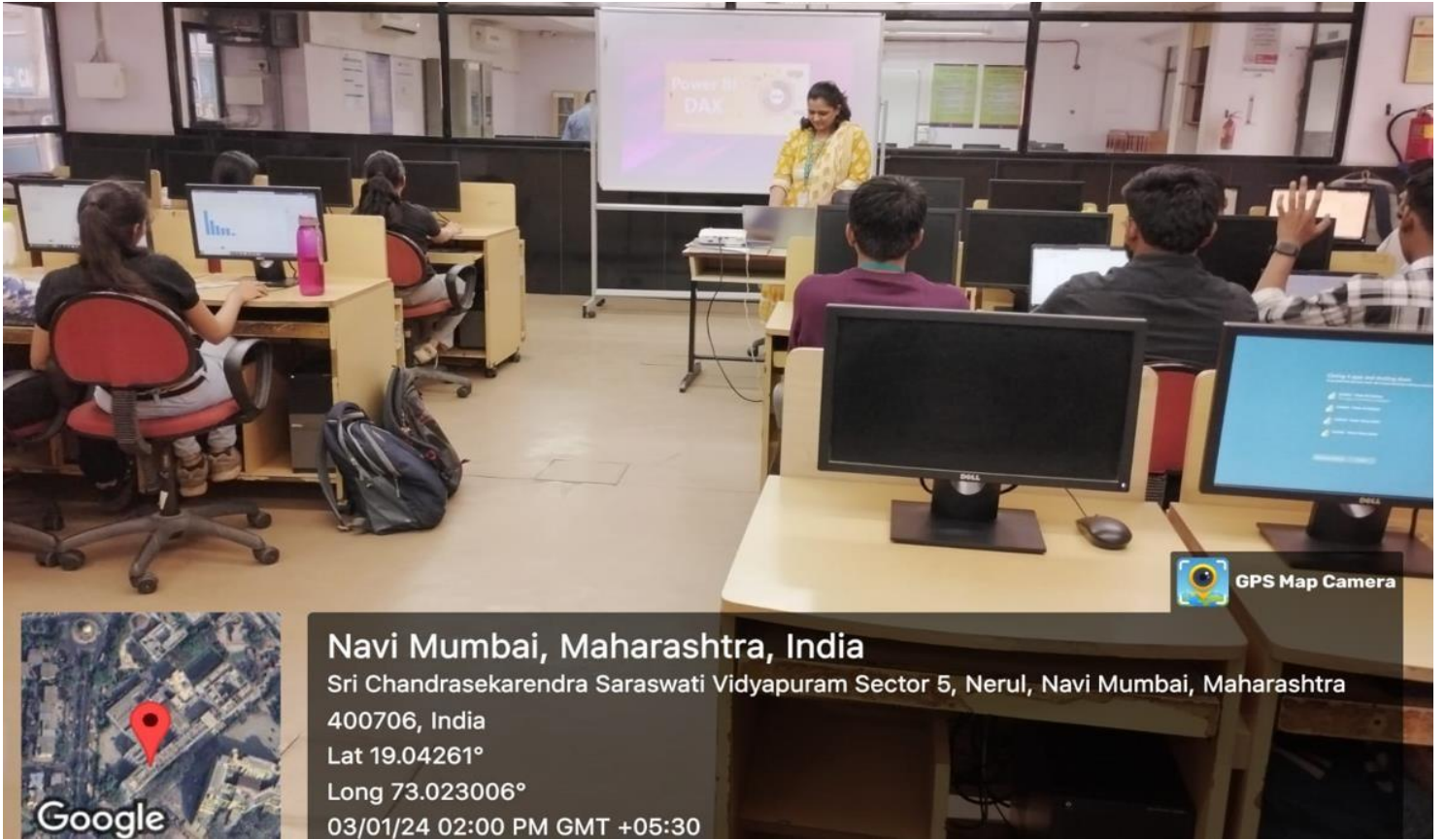
- Students understood Power BI concepts such as dashboards, reports, Power BI DAX commands and functions, and Microsoft Power BI desktop layouts.
- With Power BI, got a competitive edge in producing personalized visuals and providing a trustworthy analysis of enormous amounts of data.
- Students learned how to experiment, fix, prepare and present data quickly and easily.
- Students analyze the data model using DAX measures and calculated columns
- Create a Power BI report with a variety of different visuals and published report to Power BI Service.

Major topics covered during the workshop are:

- Introduction to Business Intelligence
- Introduction to Power BI: Features, Need, Importance
- Power BI components
- Power BI Architecture
- Installation and Setup
- Loading and Transforming Data with Power Query
- Data Modeling in Power BI
- Power BI DAX (Data Analysis Expressions)
- Types of visualizations (tables, charts, maps)
- Page layout and formatting
- Introduction to Power BI service, Sharing and collaborating on reports
- Demo of building a Power BI dashboard

Photograph:

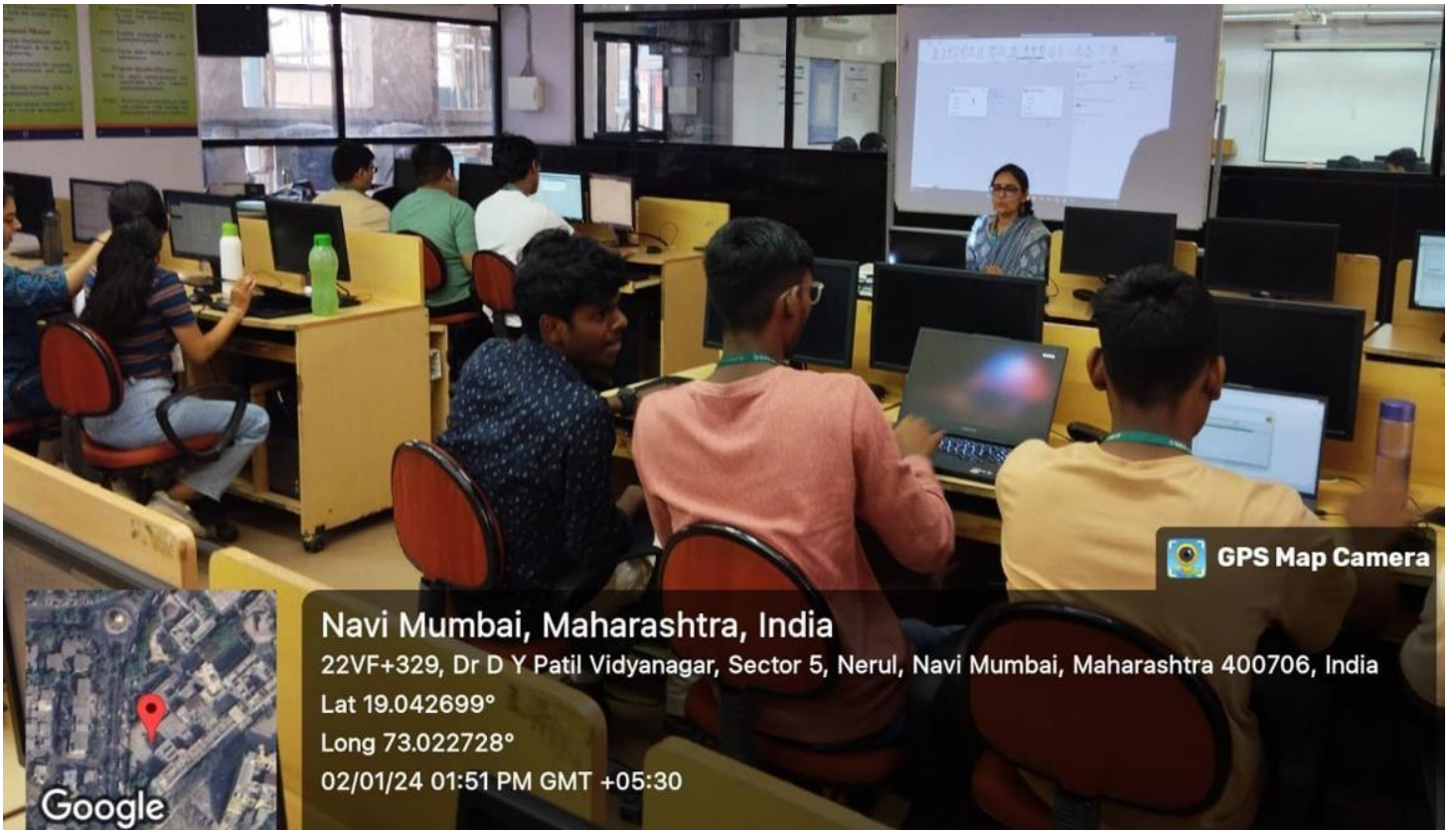




GPS Map Camera



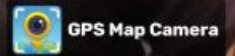
Navi Mumbai, Maharashtra, India
Sri Chandrasekarendra Saraswati Vidyapuram Sector 5, Nerul, Navi Mumbai, Maharashtra
400706, India
Lat 19.04261°
Long 73.023006°
03/01/24 02:00 PM GMT +05:30



GPS Map Camera



Navi Mumbai, Maharashtra, India
22VF+329, Dr D Y Patil Vidyanagar, Sector 5, Nerul, Navi Mumbai, Maharashtra 400706, India
Lat 19.042699°
Long 73.022728°
02/01/24 01:51 PM GMT +05:30



Navi Mumbai, Maharashtra, India

Sri Chandrasekarendra Saraswati Vidyapuram Sector 5, Nerul, Navi Mumbai, Maharashtra

400706, India

Lat 19.04261°

Long 73.023006°

13/01/24 10:06 AM GMT +05:30

Attendance:



SIES Graduate School of Technology
 Sri Chandrasekarendra Saraswati Vidyapuram
 Sector v, Nerul, Navimumbai-400706

SDP ON POWER BI
ORGANISED BY AIML DEPARTMENT

Day : Monday 1

Date : 01/01/2024

Sr.No.	Roll No.	Name	Branch	Morning Sign	Afternoon Sign
1	122A9046	Sania Nandi	AIML	<i>Sania Nandi</i>	<i>Sania Nandi</i>
2	122AX005	Adithya Venkat	CSE-IOT & Blockchain		
3	122A8016	Ashutosh Sonwal	AIDS	<i>Ashu</i>	<i>Ashu</i>
4	122A8038	Nitesh Reddy	AIDS	<i>NB.Reddy</i>	<i>NB.Reddy</i>
5	122A9028	Parth Amburle	AIML	<i>PA</i>	<i>PA</i>
6	122A8003	Aditya Anchan	AIDS		
7	122A9061	Vinay Bharat Pokharkar	AIML		
8	222A9070	Samruddhi Sanjay Todkar	AIML	<i>Samruddhi</i>	<i>Samruddhi</i>
9	122A9062	Yash Varma	AIML		
10	121A9049	Piyush Salunkhe	AIML	<i>PS</i>	<i>PS</i>
11	121A9009	Ruchita Bhoir	AIML		
12	121A9062	Suyash Utekar	AIML	<i>Suyash</i>	<i>Suyash</i>
13	121A9054	Chandana	AIML		
14	122A2043	Sahil bhagoji gurkhe	EXTC	<i>Sahil</i>	<i>Sahil</i>
15	122A1010	Aditya Pillai	CE		
16	223A9066	Prajwal pandit	AIML		
17	122A9053	Swayam Sawant	AIML	<i>SS</i>	<i>SS</i>
18	122A9019	Kanya Yagal	AIML		
19	121A8049	Mohammed Rayyaan	AIDS		
20	122A9036	Om Revankar	AIML		
21	122A9046	Aryan	AIML	<i>AA</i>	<i>AA</i>
22	122A9035	PremKumar	AIML		
23	122A9068	Vaibhav Sawant	AIML	<i>Vaibhav</i>	<i>Vaibhav</i>
24	122A9051	Shravani Wani	AIML	<i>Shravani</i>	<i>Shravani</i>
25	121A9037	Nilay Bhatye	AIML	<i>Nilay</i>	<i>Nilay</i>
26	122A9001	Aanika Bhatnagar	AIML	<i>Aanika</i>	<i>Aanika</i>
27	223A8068	Dnyaneshwar Dattatray shelar	AIDS	<i>Dnyaneshwar</i>	<i>Dnyaneshwar</i>
28	122A9015	Chetan Dattatray Erande	AIML	Chetan	<i>C.D.Erande</i>
29	122A9048	Shravani Bhosale	AIML		
30	122A9018	GAURISH KALE	AIML	<i>Gaurish</i>	<i>Gaurish</i>
31	122A9003	Adarsh Korade	AIML	<i>Adarsh</i>	<i>Adarsh</i>
32	122A9041	Rutuja Sandeep Wagh	AIML		
33	122A9022	Madan nadar	AIML	<i>Madan</i>	<i>Madan</i>
34	122A9040	Pratham Chandrashekhar Salgaonkar	AIML		

SDP ON POWER BI
ORGANISED BY AIML DEPARTMENT

Day : 2 Tuesday

Date : 02/01/2024

Sr.No.	Roll No.	Name	Branch	Morning Sign	Afternoon Sign
1	122A9046	Sania Nandi	AIML	<i>Sania</i>	<i>Sania</i>
2	122AX005	Adithya Venkat	CSE-IOT & Blockchain		
3	122A8016	Ashutosh Sonwal	AIDS	<i>Ashutosh</i>	<i>Ashutosh</i>
4	122A8038	Nitesh Reddy	AIDS	<i>N.R.Reddy</i>	<i>N.R.Reddy</i>
5	122A9028	Parth Amburle	AIML		
6	122A8003	Aditya Anchan	AIDS		
7	122A9061	Vinay Bharat Pokharkar	AIML		
8	222A9070	Samruddhi Sanjay Todkar	AIML	<i>Samruddhi</i>	<i>Samruddhi</i>
9	122A9062	Yash Varma	AIML		
10	121A9049	Piyush Salunkhe	AIML		
11	121A9009	Ruchita Bhoir	AIML	<i>Ruchita</i>	<i>Ruchita</i>
12	121A9062	Suyash Utekar	AIML		
13	121A9054	Chandana	AIML		
14	122A2043	Sahil bhagoji gurkhe	EXTC	<i>Sahil</i>	<i>Sahil</i>
15	122A1010	Aditya Pillai	CE		
16	223A9066	Prajwal pandit	AIML		
17	122A9053	Swayam Sawant	AIML		
18	122A9019	Kanya Vagal	AIML	<i>Kanya</i>	<i>Kanya</i>
19	121A8049	Mohammed Rayyaan	AIDS	<i>Mohammed</i>	<i>Mohammed</i>
20	122A9036	Om Revankar	AIML		
21	122A9046	Aryan	AIML		
22	122A9035	PremKumar	AIML	<i>Prem</i>	<i>Prem</i>
23	122A9068	Vaibhav Sawant	AIML	<i>Vaibhav</i>	<i>Vaibhav</i>
24	122A9051	Shravani Wani	AIML	<i>Shravani</i>	<i>Shravani</i>
25	121A9037	Nilay Bhatye	AIML	<i>Nilay</i>	<i>Nilay</i>
26	122A9001	Aanika Bhatnagar	AIML	<i>Aanika</i>	<i>Aanika</i>
27	223A8068	Dnyaneshwar Dattatray shelar	AIDS	<i>Dnyaneshwar</i>	<i>Dnyaneshwar</i>
28	122A9015	Chetan Dattatray Erande	AIML	<i>Chetan</i>	<i>Chetan</i>
29	122A9048	Shravani Bhosale	AIML		
30	122A9018	GAURISH KALE	AIML		
31	122A9003	Adarsh Korade	AIML	<i>Adarsh</i>	<i>Adarsh</i>
32	122A9041	Rutuja Sandeep Wagh	AIML	<i>Rutuja</i>	<i>Rutuja</i>
33	122A9022	Madan nadar	AIML	<i>Madan</i>	<i>Madan</i>
34	122A9040	Pratham Chandrashekhar Salgaonkar	AIML		

SDP ON POWER BI

ORGANISED BY AIML DEPARTMENT

Day : 3 Wednesday

Date : 3/1/2024

Sr.No.	Roll No.	Name	Branch	Morning Sign	Afternoon Sign
1	122A9046	Sania Nandi	AIML	<u>Sania</u>	
2	122AX005	Adithya Venkat	CSE-IOT & Blockchain		
3	122A8016	Ashutosh Sonwal	AIDS		
4	122A8038	Nitesh Reddy	AIDS	<u>NB Reddy</u>	<u>NB Reddy</u>
5	122A9028	Parth Amburle	AIML	<u>PA</u>	<u>PA</u>
6	122A8003	Aditya Anchan	AIDS		
7	122A9061	Vinay Bharat Pokharkar	AIML		
8	222A9070	Samruddhi Sanjay Todkar	AIML	<u>Samruddhi</u>	<u>Samruddhi</u>
9	122A9062	Yash Varma	AIML		
10	121A9049	Piyush Sahunkhe	AIML	<u>PS</u>	<u>PS</u>
11	121A9009	Ruchita Bhoir	AIML	<u>Ruchita</u>	<u>Ruchita</u>
12	121A9062	Suyash Utekar	AIML	<u>Suyash</u>	<u>Suyash</u>
13	121A9054	Chandana	AIML		
14	122A2043	Sahil bhagoji gurkhe	EXTC	<u>Sahil</u>	<u>Sahil</u>
15	122A1010	Aditya Pillai	CE		
16	223A9066	Prajwal pandit	AIML	<u>PP</u>	<u>PP</u>
17	122A9053	Swayam Sawant	AIML		
18	122A9019	Kanya Vagal	AIML		
19	121A8049	Mohammed Rayyaan	AIDS	<u>Rayyaan</u>	<u>Rayyaan</u>
20	122A9036	Om Revankar	AIML		
21	122A9046	Aryan	AIML		
22	122A9035	PremKumar	AIML	<u>PK</u>	<u>PK</u>
23	122A9068	Vaibhav Sewant	AIML	<u>VW</u>	<u>VW</u>

24	122A9051	Shravani Wani	AIML	<u>SW</u>	
25	121A9037	Nilay Bhatye	AIML		
26	122A9001	Aanika Bhatnagar	AIML	<u>Aanika</u>	
27	223A8068	Dnyaneshwar Dattatray shelar	AIDS	<u>Dshelar</u>	<u>Dshelar</u>
28	122A9015	Chetan Dattatray Erande	AIML	<u>Chetan</u>	<u>Chetan</u>
29	122A9048	Shravani Bhosale	AIML		
30	122A9018	GAURISH KALE	AIML	<u>GKale</u>	<u>GKale</u>
31	122A9003	Adarsh Korade	AIML	<u>Adarsh</u>	<u>Adarsh</u>
32	122A9041	Rutuja Sandeep Wagh	AIML	<u>Rutuja</u>	<u>Rutuja</u>
33	122A9022	Madan nadar	AIML	<u>MN</u>	<u>MN</u>
34	122A9040	Pratham Chandrashekhar Salgaonkar	AIML		

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SDP ON POWER BI
ORGANISED BY AIML DEPARTMENT

Day : Thursday

Date : 04/1/25

Sr.No.	Roll No.	Name	Branch	Morning Sign	Afternoon Sign
1	122A9046	Sania Nandi	AIML	<u>Sania Nandi</u>	<u>Sania Nandi</u>
2	122AX005	Adithya Venkat	CSE-IOT & Blockchain		
3	122A8016	Ashutosh Sonwal	AIDS	<u>Ashutosh</u>	<u>Ashutosh</u>
4	122A8038	Nitesh Reddy	AIDS	<u>N.R.Reddy</u>	<u>N.R.Reddy</u>
5	122A9028	Parth Amburle	AIML		
6	122A8003	Aditya Anchan	AIDS		
7	122A9061	Vinay Bharat Pokharkar	AIML		
8	222A9070	Samruddhi Sanjay Todkar	AIML	<u>Samruddhi</u>	<u>Samruddhi</u>
9	122A9062	Yash Varma	AIML		
10	121A9049	Piyush Salunkhe	AIML		
11	121A9009	Ruchita Bhoir	AIML	<u>Ruchita</u>	<u>Ruchita</u>
12	121A9062	Suyash Utekar	AIML		
13	121A9054	Chandana	AIML		
14	122A2043	Sahil bhagoji garkhe	EXTC	<u>Sahil</u>	<u>Sahil</u>

24	122A9051	Shravani Wani	AIML		
25	121A9037	Nilay Bhatye	AIML		
26	122A9001	Aanika Bhatnagar	AIML	<u>Aanika</u>	<u>Aanika</u>
27	223A8068	Dnyaneshwar Dattatray shelar	AIDS	<u>Dnyaneshwar</u>	<u>Dnyaneshwar</u>
28	122A9015	Chetan Dattatray Erande	AIML	<u>C.D.Erande</u>	<u>C.D.Erande</u>
29	122A9048	Shravani Bhosale	AIML		
30	122A9018	GAURISH KALE	AIML	<u>Gaurish</u>	<u>Gaurish</u>
31	122A9003	Adarsh Korade	AIML	<u>Adarsh</u>	<u>Adarsh</u>
32	122A9041	Rutuja Sandeep Wagh	AIML	<u>Rutuja</u>	<u>Rutuja</u>
33	122A9022	Madan nadar	AIML		
34	122A9040	Pratham Chandrashekhar Salgaonkar	AIML		

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SDP ON POWER BI
ORGANISED BY AIML DEPARTMENT

Day : 5

Date : 05/01/2024

Sr.No.	Roll No.	Name	Branch	Morning Sign	Afternoon Sign
1	122A9046	Sania Nandi	AIML	<i>Sania</i>	<i>Sania</i>
2	122AX005	Adithya Venkat	CSE-IOT & Blockchain		
3	122A8016	Ashutosh Sonwal	AIDS	<i>Ashu</i>	<i>Ashu</i>
4	122A8038	Nitesh Reddy	AIDS		
5	122A9028	Parth Amburle	AIML	<i>PA</i>	<i>PA</i>
6	122A8003	Aditya Anchan	AIDS		
7	122A9061	Vinay Bharat Pokharkar	AIML		
8	222A9070	Sanaruddhi Sanjay Todkar	AIML	<i>Sanaruddhi</i>	<i>Sanaruddhi</i>
9	122A9062	Yash Varma	AIML		
10	121A9049	Piyush Salunkhe	AIML	<i>PS</i>	<i>PS</i>
11	121A9009	Ruchita Bhoir	AIML	<i>Ruchita</i>	<i>Ruchita</i>
12	121A9062	Suyash Utkar	AIML		
13	121A9054	Chandana	AIML		
14	122A2043	Sahil bhagoji gurkhe	FVTC	<i>Sahil</i>	<i>Sahil</i>
15	122A1010	Aditya Pillai	CE		
16	223A9066	Prajwal pandit	AIML		
17	122A9053	Swayam Sawant	AIML		
18	122A9019	Kanya Vagal	AIML	<i>KVS</i>	<i>KVS</i>
19	121A8049	Mohammed Rayyaan	AIDS		
20	122A9036	Om Revankar	AIML		
21	122A9046	Aryan	AIML		
22	122A9035	PremKumar	AIML		
23	122A9068	Vaibhav Sawant	AIML	<i>Vaibhav</i>	<i>Vaibhav</i>

24	122A9051	Shravani Wani	AIML	<i>Shravani</i>	<i>Shravani</i>
25	121A9037	Nilay Bhatye	AIML	<i>NB</i>	<i>NB</i>
26	122A9001	Aanika Bhatnagar	AIML	<i>Aanika</i>	<i>Aanika</i>
27	223A8068	Dnyaneshwar Dattatray shelar	AIDS	<i>Dnyaneshwar</i>	<i>Dnyaneshwar</i>
28	122A9015	Chetan Dattatray Erande	AIML		
29	122A9048	Shravani Bhosale	AIML		
30	122A9018	GAURISH KALE	AIML	<i>GK</i>	<i>GK</i>
31	122A9003	Adarsh Korade	AIML	<i>Adarsh</i>	<i>Adarsh</i>
32	122A9041	Rutuja Sandeep Wagh	AIML		
33	122A9022	Madan nadar	AIML	<i>MN</i>	<i>MN</i>
34	122A9040	Pratham Chandrashekhar Salgaonkar	AIML		

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AIML

Zeenat *Zeenat*

Feedback

1. Name (0 point)

14
Responses

Latest Responses

"Ruchita Bhoir "

"Suyash Utekar"

"Sahil Gurkhe "

1 respondents (7%) answered **Sania Nandi** for this question.

Nitesh **Zeenat** **Suyash Utekar**
Dattatray Shelar **Rutuja Wagh**
Sahil Gurkhe **Sania Nandi** **Vaibhav Sawant**
Gaurish **Ashutosh Sonwal** **Adarsh Korade**
DATTARAY **CHETAN** **Dnyaneshwar Ruchita Bhoir**

2. Roll Number (0 point)

14
Responses

Latest Responses

"121A9009 "

"121A9062"

"122A2043"

1 respondents (7%) answered **16** for this question.

122A9063 **223A9068** **121A9062**
223A8068 **41** **16** **38** **122A2043**
121A9009 **122A9046** **122A9001**

3. Branch (0 point)

14
Responses

Latest Responses

"AIML"

"TE-AIML"

"EXTC"

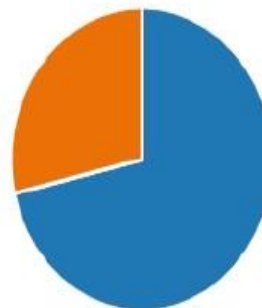
10 respondents (71%) answered **AIML** for this question.



4. What daily sales number does this DAX measure formula calculate? `CALCULATE(SUM([Sales]), DATESMTD([Date]))` (2 points)

71% of respondents (10 of 14) answered this question correctly.

- A. Running total sales in each m... 10 ✓
- B. Total sales for the entire month 4
- C. Running total in entire year f... 0
- D. Rolling average over 12 mont... 0



5. What is the primary benefit of using visualizations such as line charts, bar charts, and column charts? (2 points)

57% of respondents (8 of 14) answered this question correctly.

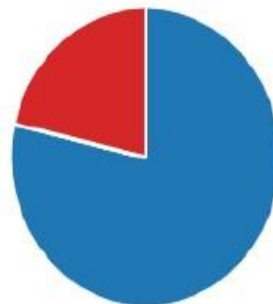
- A. They are easier to create than... 5
- B. They require fewer resources ... 8 ✓
- C. They are also used in Excel, s... 1
- D. They are free to use. 0
- Option 2 0



6. You need to add a required color to a bar chart. How can you add an exact color value to an existing bar chart? (2 points)

79% of respondents (11 of 14) answered this question correctly.

- A. Click the color in the visual (e... 11 ✓
- B. You cannot select custom col... 0
- C. Select the value closest to thi... 0
- D. Enter the hex value into the c... 3



7. You just deleted a dashboard in the Power BI service and want to get it back. What should you do? (2 points)

64% of respondents (9 of 14) answered this question correctly.

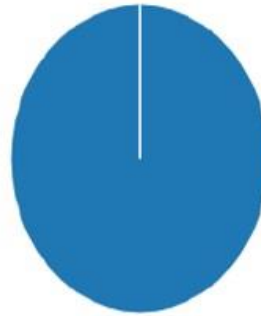
- A. Press Ctrl+Z. 9 ✓
- B. Select Undo from the toolbar. 0
- C. You cannot undo the deletion... 2
- D. Recover it from the Recycle Bi... 3



8. Formatting options within a visualization depend on what? (2 points)

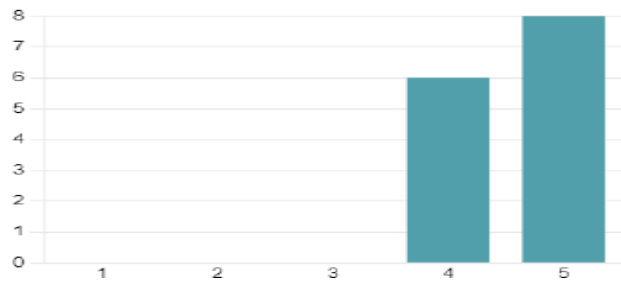
100% of respondents (14 of 14) answered this question correctly.

- A. The visualization you are for... 14 ✓
- B. The editor you use 0
- C. The visualization group 0
- D. Your permissions 0



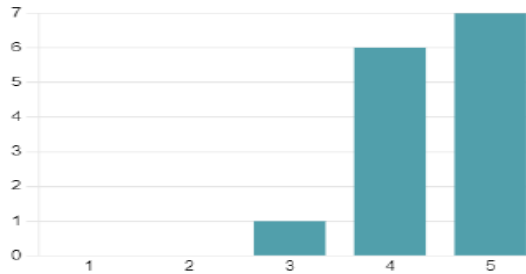
10. Are you able to design dashboard? (0 point)

4.57
Average Rating



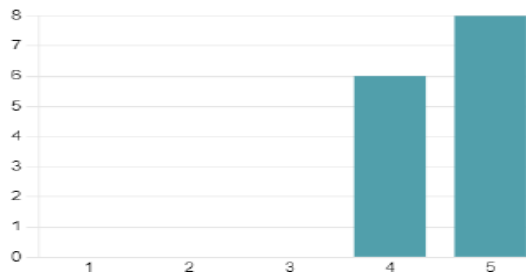
9. Have you understood the Power bi DAX Functions? (0 point)

4.43
Average Rating



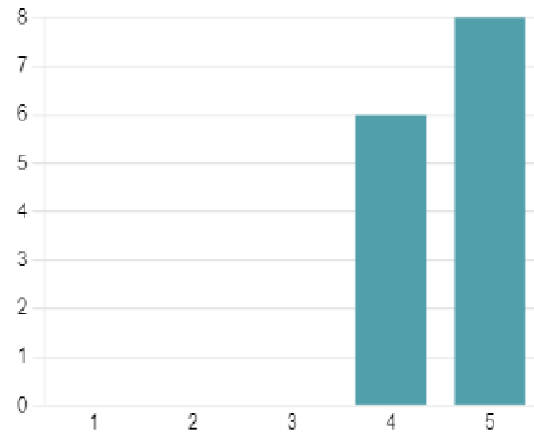
10. Are you able to design dashboard? (0 point)

4.57
Average Rating



11. Effectiveness of the session. (0 point)

4.57
Average Rating



12. Appreciation, if any (0 point)

14
Responses

Latest Responses

"Thank you"

"Good"

"Good "

2 respondents (14%) answered **sessions were good** for this question.

dashboard and power DAX BI service helpful
sessions were good
marvellous new things basics of SQL **nice session**

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dashboard and power DAX BI service helpful
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13. Suggestions, if any (0 point)

14
Responses

Latest Responses

"No"

"No"

"None"

4 respondents (29%) answered **No** for this question.

wonderful lab pc **No** dax pdf
helpful power bi **None** projects

Impact Analysis

Students successfully completed internship projects. They received an internship based on the skill set they acquired from this value-added course. Students learn to design a dashboard and do data analysis using visualization.

