



(Shree Prince Shivaji Maratha Boarding House's)
New Institute of Technology, Kolhapur
DEPARTMENT OF ARTIFICIAL INTELLIGENCE &
MACHINE LEARNING
2025-2026



ISTE sponsored Faculty Development Program

“Data Visualization Mastery: Transforming Data to Insights”

❖ Date and Duration:

- Monday 15th December to 19th December 2025.
Duration: 1200minutes (20 hrs.).

❖ Participants:

- Faculty members from AICTE recognized Institutions and delegates from industries all over India.
- No of Participants: 73

❖ Resource Person:

- Mr. Onkar P. Kokare (QlikSense Administrator Senior Software Engineer, Capgemini, India).

❖ Objective:

- To build participant's ability to transform complex data into clear, insightful visual representations that support teaching, research and decision making.
- To enhance understanding of visualization principles.
- To use modern tools and strengthen skills in data storytelling and communication.

❖ Activity Format:

- Online meeting through google meet platform.
- Two sessions per day, each of 120 minutes duration.



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• **Schedule-**

	Session 1 10.00am- 12.00noon	Session 2 1.00pm- 3.00pm
Monday, 15/12/2025	Inauguration The Power of Data Visualization Qlik Sense Installation & Basics	Power BI Installation & Basics with First Dashboard creation
Tuesday, 16/12/2025	Qlik Sense Interface & Data Preparation	Data Loading via CSV upload and Data connections Qlik Sense Dashboard Practice
Wednesday, 17/12/2025	Power Bi Service vs Desktop and Data Preparation	Data Loading in Power Bi via CSV upload and Dashboard Practice. Introduction of Python in Data Visualization
Thursday, 18/12/2025	Python Libraries – Matplotlib Basics	Matplotlib Customization and subplots Python Libraries – Seaborn(Statistical)
Friday, 19/12/2025	Pandas Integration for Data Preparation	Python Libraries – Plotly for Interactive Visualization 2D & 3D Objects Program Review, Q&A. Test. Valedictory.

❖ **Key Outcomes:**

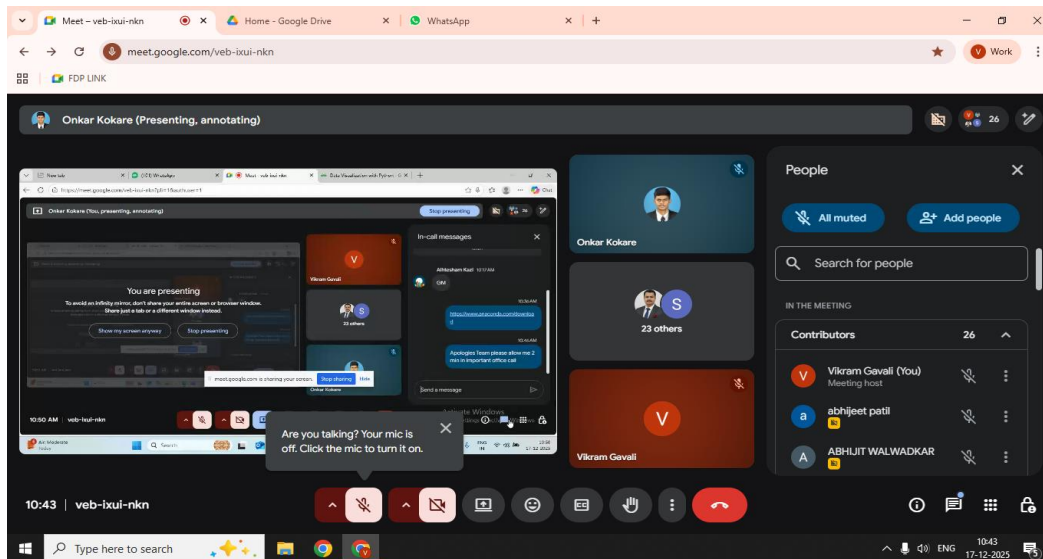
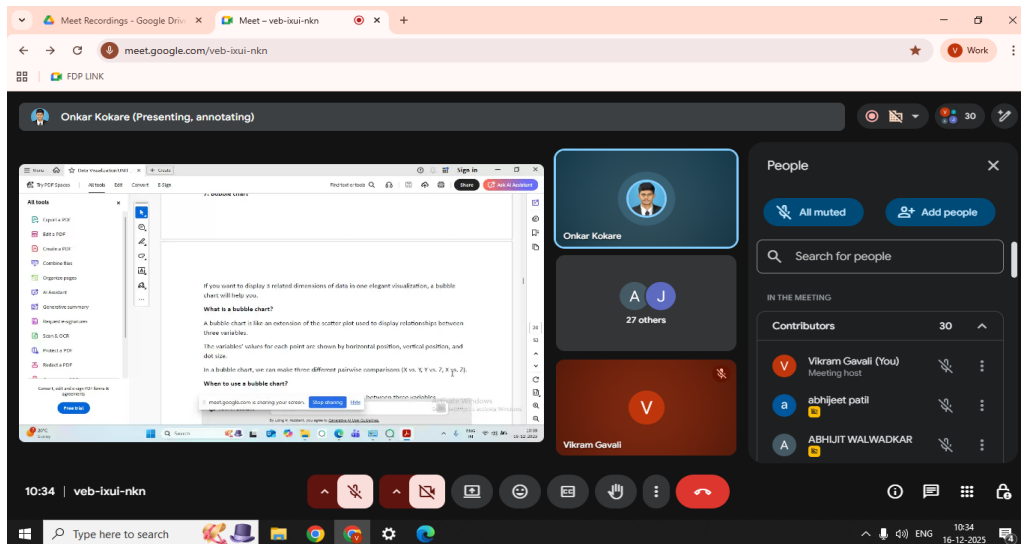
- Ability to create clear, accurate and meaningful data visualizations.
- Improved proficiency with tools such as Tableau, Power BI and Python for visual analytics.
- Enhancing skills in interpreting, analyzing and communicating data-driven insights.



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❖ Activity Photographs:





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Meet Recordings - Google Drive x Meet - veb-ixui-nkn x +

meet.google.com/veb-ixui-nkn

FDP LINK

Onkar Kokare (Presenting, annotating)

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What is a pie chart?

Pie charts are attractive data visualization types. At a high level, they're easy to read and used for representing relative sizes.

A Pie Chart is a circular graph that uses "pie slices" to display relative sizes of data.

A pie chart is a perfect choice for visualizing percentages because it shows each element as part of a whole.

The entire pie represents 100 percent of a whole. The pie slices represent portions of the whole.

When to use a pie chart?

- When you want to represent the share each value has of the whole.
- When you want to show how a group is broken down into smaller pieces.

Example:

meet.google.com is sharing your screen. Stop sharing Hide

Activate Windows
Go to Settings to activate Windows

Onkar Kokare

ABHIJIT WALW...

Jitendra Kumar...

Vijaya Chitrali

20 others

Vikram Gavali

10:25 | veb-ixui-nkn

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