



**(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 15<sup>th</sup> December to 19<sup>th</sup> 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:**

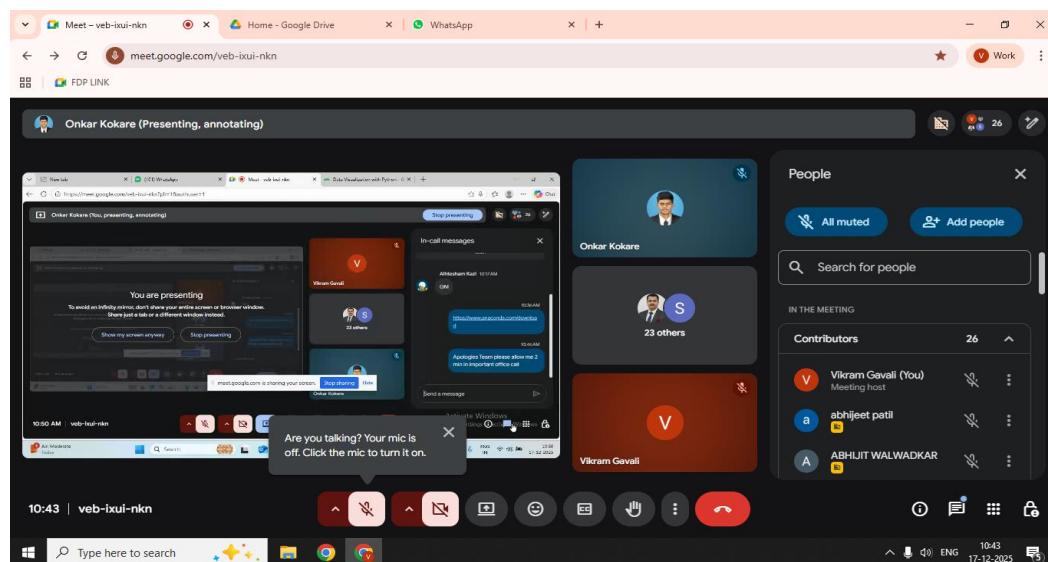
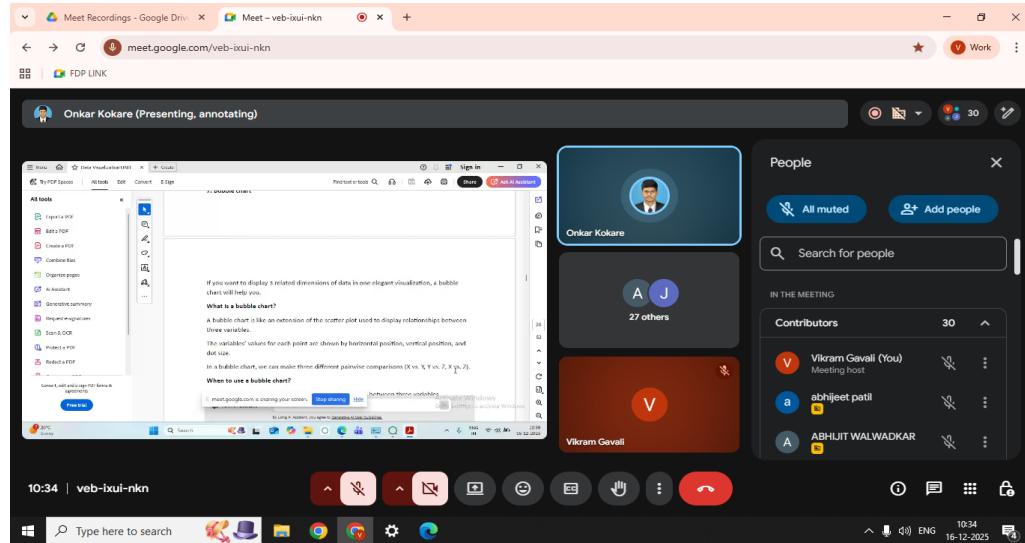
- Ability to create clear, accurate and meaningful data visualizations.
- Improved proficiency with tools such as Tableau, Power BI and Python for visual analytics.
- Enhancing skills in interpreting, analyzing and communicating data-driven insights.



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## ❖ Activity Photographs:





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