Dr. Akhilesh Das Gupta Institute of Technology and Management

(Formerly known as Northern India Engineering College)

(A Unit of Babu Banarasi Das Group of Educational Institutions) FC-26,Shastri Park,NewDelhi-110053(India)

Phones:011-49905900

Report on Hands-On Training Role of Statistics in ML using Python Programming

Department of Artificial Intelligence & Machine Learning

Date: 7-Jan-2022

Timings: 9:00-11:00 AM

Venue: online

No of Participants:66

Organized For: AI&ML (2nd Year)

Trainer Name: Ms.Kanika Miglani (Data Scientist Flax & Teal Ltd. UK)

Event Co-Ordinators: Dr.Preety (Associate Professor, AI&ML)

Details of Training

Statistics is a core component of data analytics and machine learning. It helps you analyze and visualize data to find unseen patterns. If you are interested in machine learning and want to grow your career in it, then learning statistics along with programming should be the first step.📚📉
So get ready, as KRITRIM DHI - Department of AI & ML brings you a great opportunity for a training session on the Role of Statistics in ML using Python programming.👩‍💻 This is an interesting one right!!! Speaker - Ms. Kanika Miglani, Data Scientist, Flax & Teas UK .

Google Meet link: https://meet.google.com/dvt-mdex-yyw

Benefits of the Industrial Visit to students

After that We have learned about the new era of Big Data HandlingTechnologies Including:

- Big data allows you to re-develop the products/services you are selling.
- Big data allows you to test different variations of CAD (computer-aided design) images to determine how minor changes affect your process or product.
- Big data tools help you map the data landscape of your company, which helps in the analysis of internal threats.

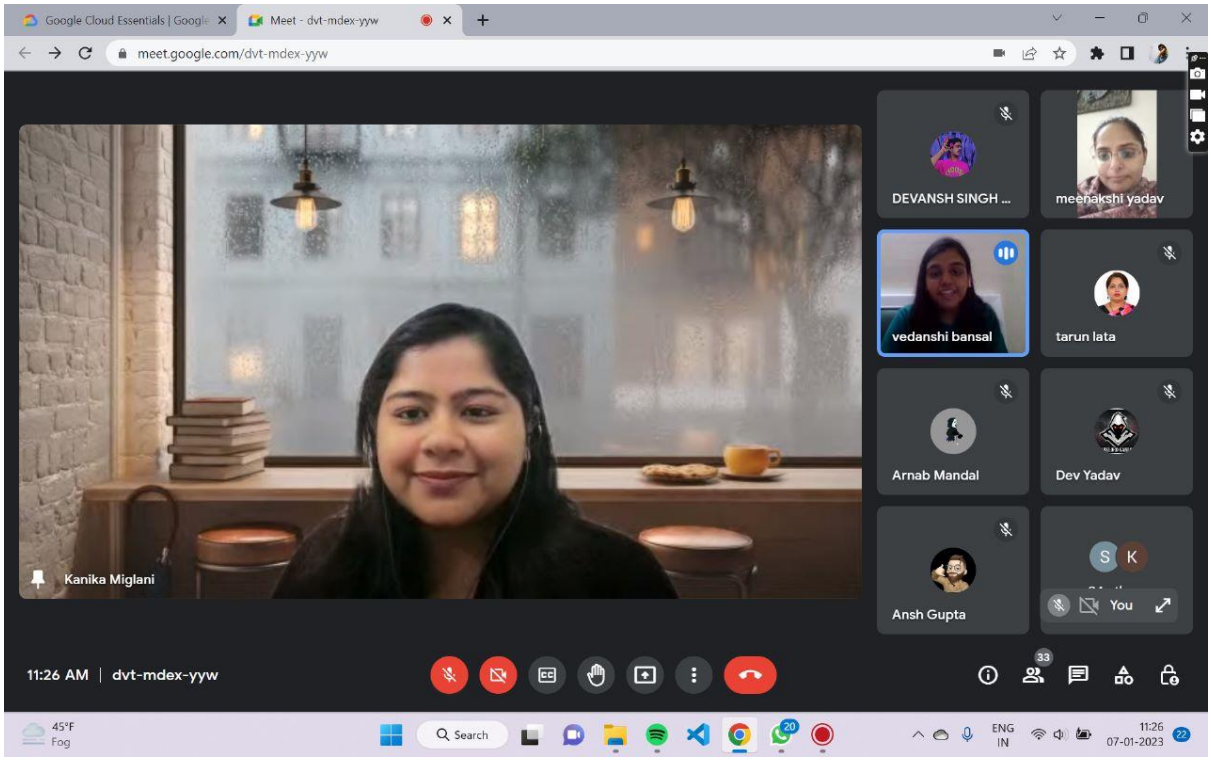
Dr.Preety

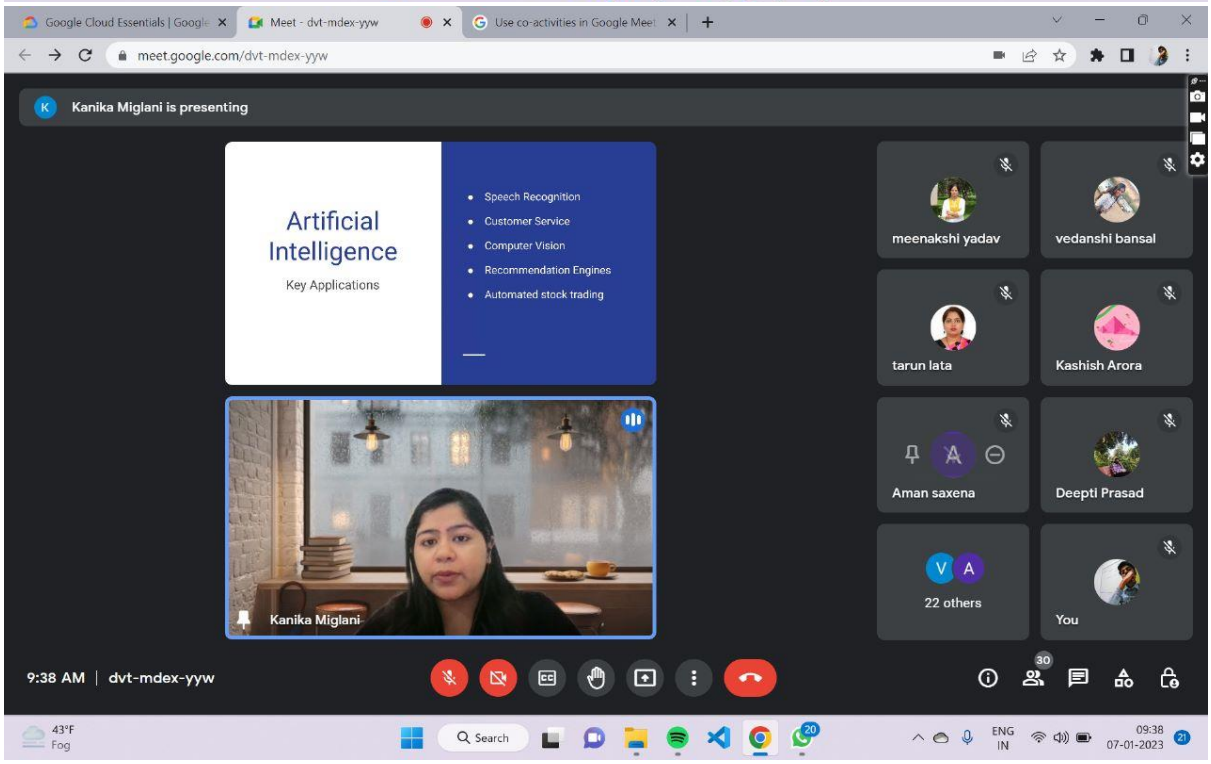
Event Coordinators

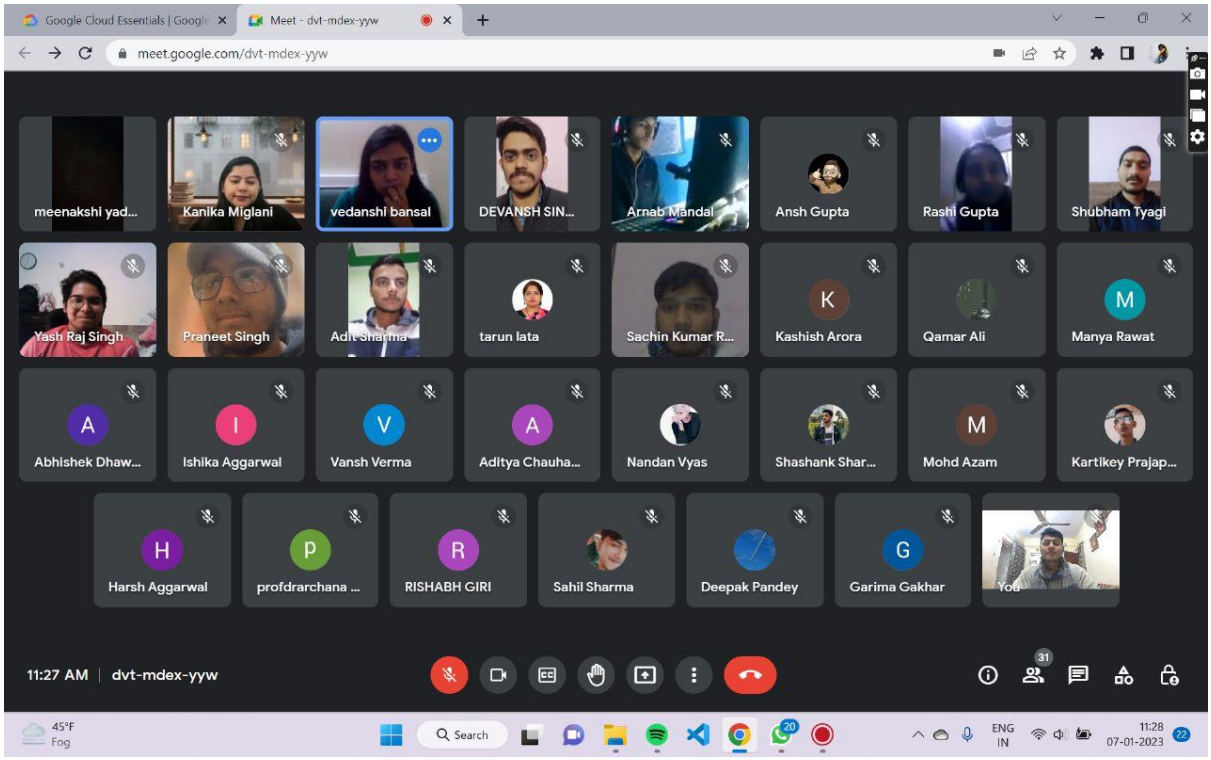
Dr. Meenakshi Yadav

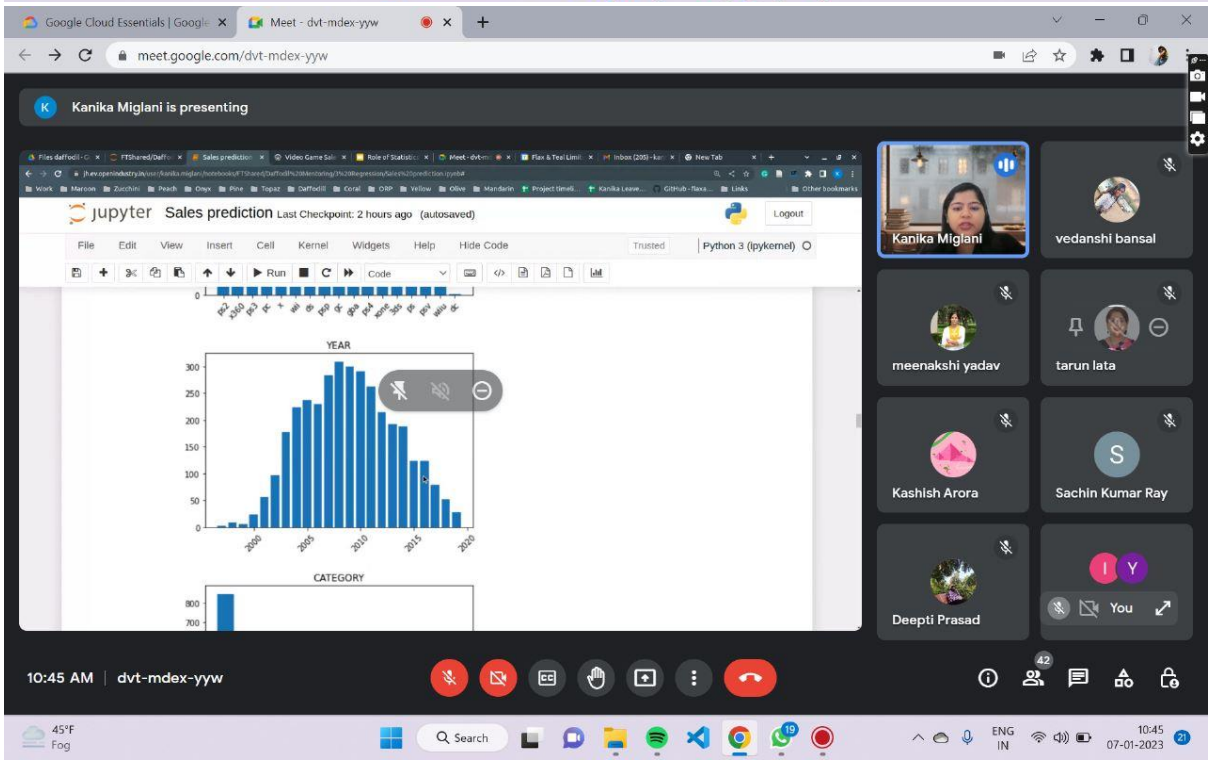
DI (AI&ML)

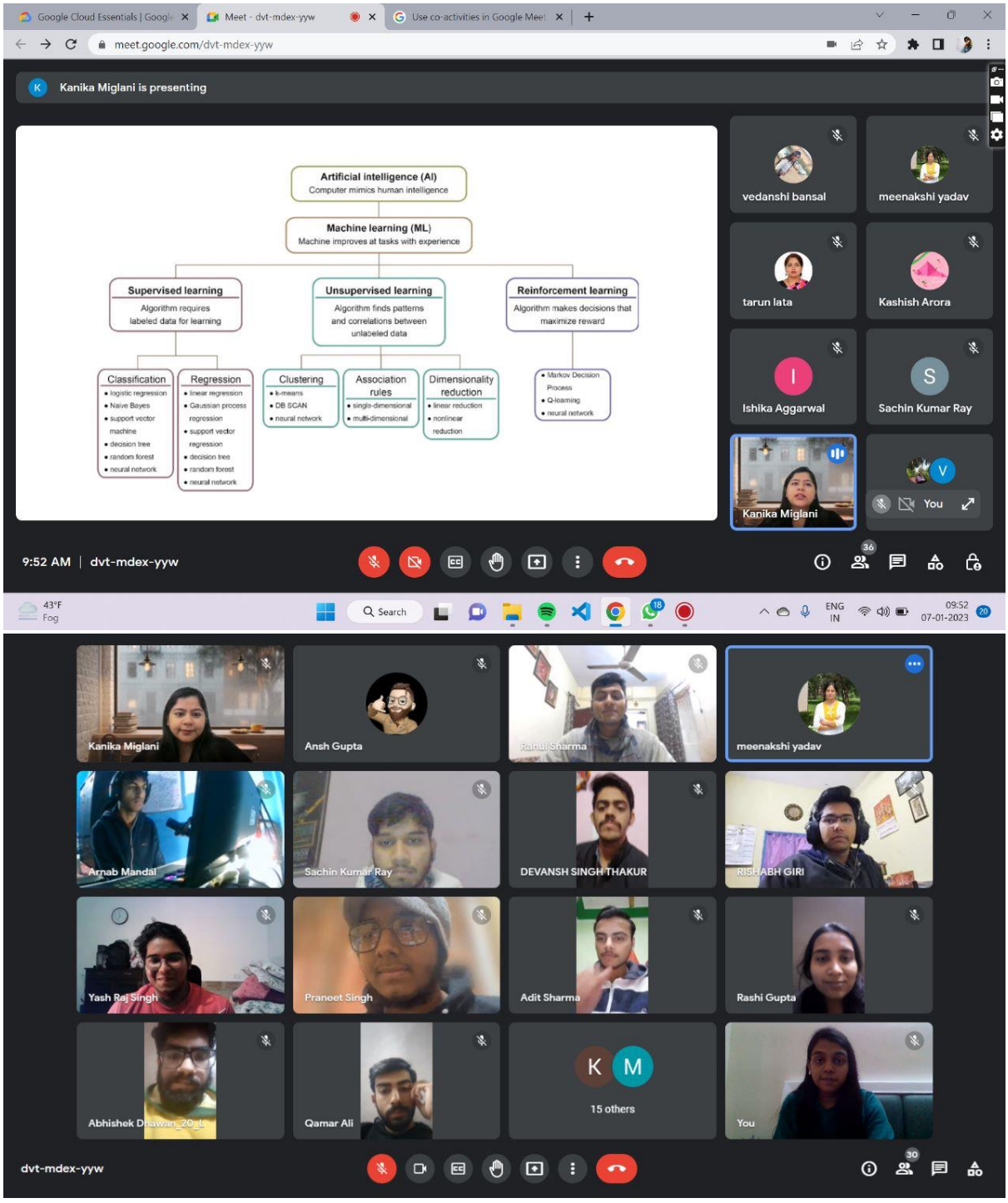
Event photographs


Google Cloud Essentials | Google
Meet - dvt-mdex-yyw
meet.google.com/dvt-mdex-yyw
DEVANSH SINGH ...
meenakshi yadav
vedanshi bansal
tarun lata
Arnab Mandal
Dev Yadav
Ansh Gupta
You
Kanika Miglani
11:26 AM | dvt-mdex-yyw
45°F
Fog
Search
ENG
IN
11:26
07-01-2023

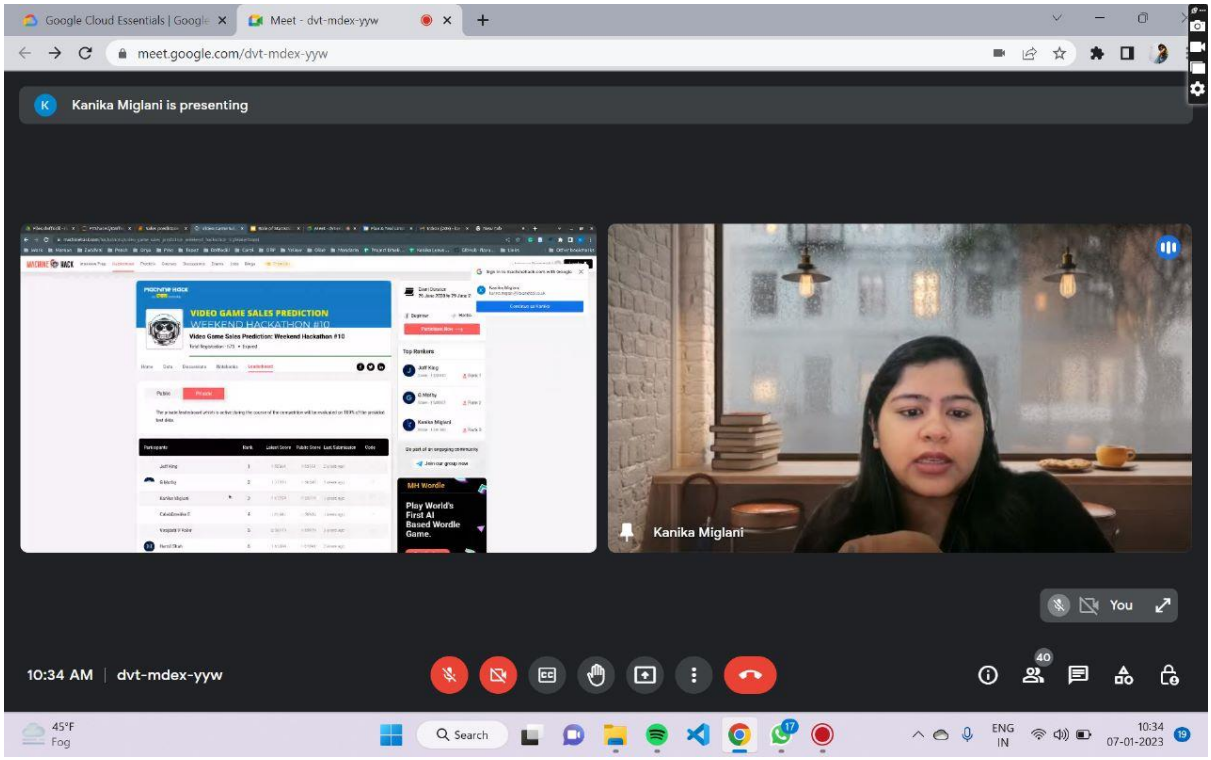

Google Cloud Essentials | Google
Meet - dvt-mdex-yyw
Use co-activities in Google Meet
meet.google.com/dvt-mdex-yyw
Kanika Miglani is presenting
Artificial Intelligence
Key Applications
Speech Recognition
Customer Service
Computer Vision
Recommendation Engines
Automated stock trading
meenakshi yadav
vedanshi bansal
tarun lata
Kashish Arora
Aman saxena
Deepti Prasad
22 others
You
Kanika Miglani
9:38 AM | dvt-mdex-yyw
43°F
Fog
Search
ENG
IN
09:38
07-01-2023

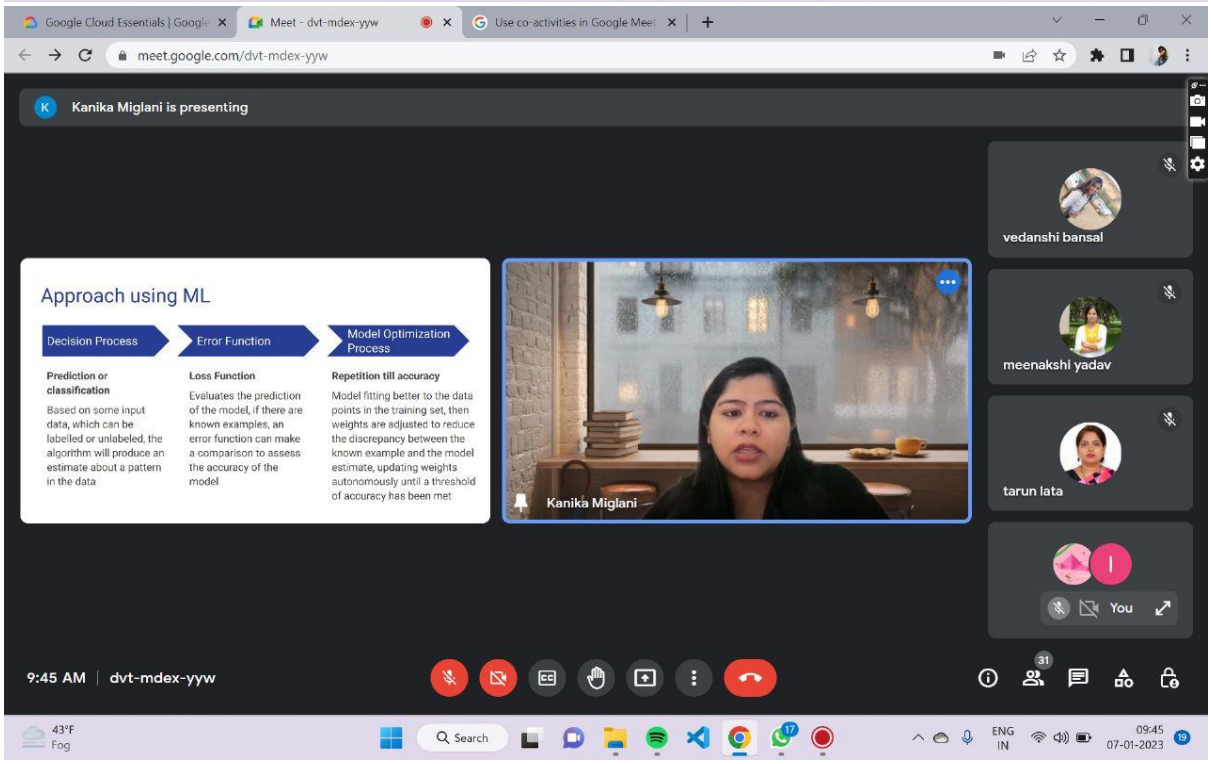

Google Cloud Essentials | Google
Meet - dvt-mdex-yyw
meet.google.com/dvt-mdex-yyw
meenakshi yad...
Kanika Miglani
vedanshi bansal
DEVANSH SIN...
Arnab Mandal
Ansh Gupta
Rashi Gupta
Shubham Tyagi
Yash Raj Singh
Praneet Singh
Adit Sharma
tarun lata
Sachin Kumar R...
Kashish Arora
Qamar Ali
Manya Rawat
Abhishek Dhaw...
Ishika Aggarwal
Vansh Verma
Aditya Chauha...
Nandan Vyas
Shashank Shar...
Mohd Azam
Kartikey Prajap...
Harsh Aggarwal
profdrarchana ...
RISHABH GIRI
Sahil Sharma
Deepak Pandey
Garima Gakhar
You
11:27 AM | dvt-mdex-yyw
45°F
Fog
Search
ENG
IN
11:28
07-01-2023

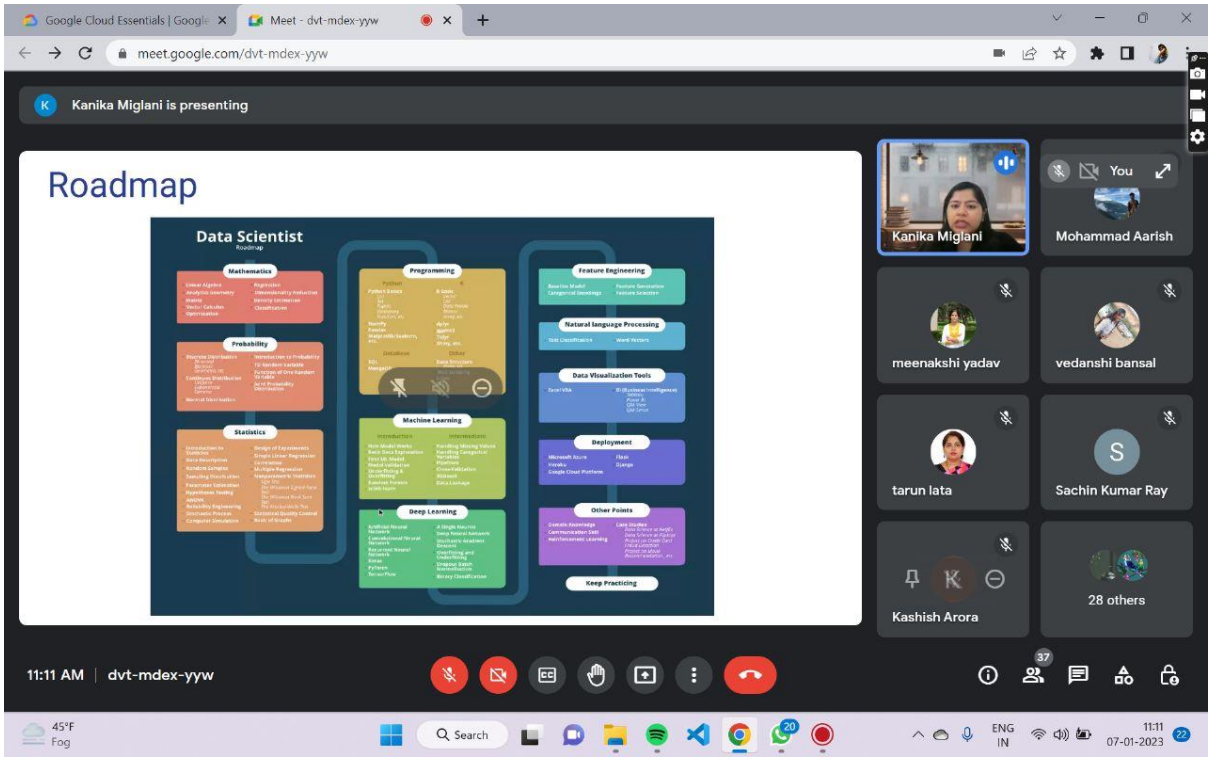

Google Cloud Essentials | Google
Meet - dvt-mdex-yyw
meet.google.com/dvt-mdex-yyw
Kanika Miglani is presenting
jupyter Sales prediction Last Checkpoint: 2 hours ago (autosaved)
Logout
File Edit View Insert Cell Kernel Widgets Help Hide Code
Trusted
Python 3 (ipykernel)
Run
Code
YEAR
CATEGORY
Kanika Miglani
vedanshi bansal
meenakshi yadav
tarun lata
Kashish Arora
Sachin Kumar Ray
Deepti Prasad
You
10:45 AM | dvt-mdex-yyw
45°F
Fog
Search
ENG
IN
10:45
07-01-2023


Google Cloud Essentials | Google
Meet - dvt-mdex-yyw
Use co-activities in Google Meet
meet.google.com/dvt-mdex-yyw
Kanika Miglani is presenting
Artificial intelligence (AI)
Computer mimics human intelligence
Machine learning (ML)
Machine improves at tasks with experience
Supervised learning
Algorithm requires labeled data for learning
Unsupervised learning
Algorithm finds patterns and correlations between unlabeled data
Reinforcement learning
Algorithm makes decisions that maximize reward
Classification
logistic regression
Naive Bayes
support vector machine
decision tree
random forest
neural network
Regression
linear regression
Gaussian process regression
support vector regression
decision tree
random forest
neural network
Clustering
k-means
DB SCAN
neural network
Association rules
single-dimensional
multi-dimensional
Dimensionality reduction
linear reduction
nonlinear reduction
Markov Decision Process
Q-learning
neural network
vedanshi bansal
meenakshi yadav
tarun lata
Kashish Arora
Ishika Aggarwal
Sachin Kumar Ray
Kanika Miglani
You
9:52 AM | dvt-mdex-yyw
43°F
Fog
Search
ENG
IN
09:52
07-01-2023

Kanika Miglani
Ansh Gupta
Rahul Sharma
meenakshi yadav
Arnab Mandal
Sachin Kumar Ray
DEVANSH SINGH THAKUR
RISHABH GIRI
Yash Raj Singh
Praneet Singh
Adit Sharma
Rashi Gupta
Abhishek Dhawan_20_t
Qamar Ali
K
M
15 others
You
dvt-mdex-yyw


Google Cloud Essentials | Google
Meet - dvt-mdex-yyw
meet.google.com/dvt-mdex-yyw
Kanika Miglani is presenting
VIDEO GAME SALES PREDICTION
WEEKEND HACKATHON #10
Play World's First AI Based Wordle Game.
Kanika Miglani
You
10:34 AM | dvt-mdex-yyw
45°F
Fog
Search
ENG
IN
10:34
07-01-2023


Google Cloud Essentials | Google
Meet - dvt-mdex-yyw
Use co-activities in Google Meet
meet.google.com/dvt-mdex-yyw
Kanika Miglani is presenting
Approach using ML
Decision Process
Error Function
Model Optimization Process
Prediction or classification
Based on some input data, which can be labelled or unlabeled, the algorithm will produce an estimate about a pattern in the data
Loss Function
Evaluates the prediction of the model, if there are known examples, an error function can make a comparison to assess the accuracy of the model
Repetition till accuracy
Model fitting better to the data points in the training set, then weights are adjusted to reduce the discrepancy between the known example and the model estimate, updating weights autonomously until a threshold of accuracy has been met
Kanika Miglani
vedanshi bansal
meenakshi yadav
tarun lata
You
9:45 AM | dvt-mdex-yyw
43°F
Fog
Search
ENG
IN
09:45
07-01-2023


Google Cloud Essentials | Google
Meet - dvt-mdex-yyw
meet.google.com/dvt-mdex-yyw
Kanika Miglani is presenting
Roadmap
Data Scientist
Roadmap
Mathematics
Probability
Statistics
Programming
Machine Learning
Deep Learning
Feature Engineering
Natural language Processing
Data Visualization Tools
Deployment
Other Points
Keep Practicing
Kanika Miglani
You
Mohammad Aarish
meenakshi yadav
vedanshi bansal
tarun lata
Sachin Kumar Ray
Kashish Arora
28 others
11:11 AM | dvt-mdex-yyw
45°F
Fog
Search
ENG
IN
11:11
07-01-2023