



One day Webinar Report on

“Introduction to Machine Learning”

07th July, 2021



S. N. Patel Institute of Technology & Research Centre

Umrakh- Bardoli

Computer Science & Engineering department

Report Prepared by: Ms. Rutal S. Mahajan, Mr. Devarshi Naik

VENUE

(Online Mode)



Webinar Topics	Introduction to Machine Learning
Date	07/07/2021, Wednesday 1:00 pm onwards
Department & Year	3 rd Year & 4 th Year Computer Sci & Engineering
Venue	Google Meet Platform
Topic 1 Expert	Dr. Mahesh M. Goyani, Asst. Prof, GEC Modasa
Event Co-ordinator	Prof. Rutal s. Mahajan, Prof. Devarshi Naik

S. N. Patel Institute of Technology & Research Centre, Umrakh
(A Vidyabharti Trust Institution)

Computer Science & Engg. Department
Organised Webinar on
INTRODUCTION TO MACHINE LEARNING

EXPERT

Dr. Mahesh M. Goyani
Assistant Professor,
GEC, Modasa

Date: 7th July, 2021
Time: 01:00 pm onwards

Prof. Rutal S. Mahajan, Prof. Devarshi B. Naik
Assistant Professor, CSE Department.
SNPIT & RC, Umrakh

Prof. Viral H. Panchal
I/C Head, CSE Department.
SNPIT & RC, Umrakh

Dr. Piyush S. Jain
Principal,
SNPIT & RC, Umrakh

Vidyabharti Campus, At & Po Baben, Ta: Bardoli, Dist: Surat, Pin: 394601 | Contact No.: 9925 777 117

Topics Covered in Webinar

- Why Data Science?
- Why machine learning?
- Applications of Machine Learning
- Types of Machine learning
- Linear Regression
- Logistic Regression
- Python Code Demonstration



Objective of webinar:

Machine learning is a method of data analysis that automates analytical model building. It is a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention. Resurging interest in machine learning is due to the same factors that have made data mining and Bayesian analysis more popular than ever. Things like growing volumes and varieties of available data, computational processing that is cheaper and more powerful, and affordable data storage.

All of these things mean it's possible to quickly and automatically produce models that can analyze bigger, more complex data and deliver faster, more accurate results – even on a very large scale. And by building precise models, an organization has a better chance of identifying profitable opportunities – or avoiding unknown risks.

About expert Speakers:

Dr. Mahesh M. Goyani, Asst. Prof, GEC Modasa

He has conferred the bachelor's degree in Computer Engineering with First Class Distinction from Veer Narmad South Gujarat University, Surat in 2005. Mastered the field of Computer Engineering with 9.38 CPI (81.09 %) from Sardar Patel University, Vallabh Vidya Nagar in 2009. He has pursued Bachelor of Arts in Literature from Gujarat University with First Class in 2014. He has completed Ph.D. in area of Facial Expression Recognition from Charotar University of Science and Technology, Changa in 2017.

Currently, serving as an Assistant Professor in Department of Computer Engineering at Government Engineering College, Modasa.

His areas of interest includes Image Processing, Pattern Recognition, Machine Learning, Data Mining, Computer Algorithms, Computer Graphics and Data Structures. At present, He is supervising Two Ph.D. candidates at Gujarat Technological University. He has published many research papers in international and national conferences and reputed journals indexed in Sopus, SJR and SCI.

He received BEST RESEARCHER NATIONAL AWARD from IRDP Group of Journals, Chennai for the Outstanding Excellence and Remarkable Achievements in the Field of Teaching, Research and Publications in 2018. He was honored as a SESSION CHAIR in International Conference on Computer Science, Engineering and Information Technology, Tirunelveli, Tamilnadu, Sept – 2011. He got an opportunity to work as a reviewer in many reputed International Journals and also have been a Program Committee Member in many

International Conferences.

Outcome of Webinar:

Mr. Mahesh M. Goyani has delivered such an energetic presentation for Why to use Machine learning, application of machine learning, types of machine learning. He has demonstrated live demo and python code demonstration. The whole session was interactive and students enjoyed a lot during the session to learn new things.



The screenshot shows a Google Meet interface during a presentation. The main slide is titled "MACHINE LEARNING PARADIGM" and contains a flowchart comparing Classical Programming and Machine Learning. In Classical Programming, Data and Rules are inputs to a process that produces Answers. In Machine Learning, Data and Answers (represented by folders A, B, and C) are inputs to a process that produces Rules. Red handwritten annotations highlight the "Data" and "Rules" boxes in the Machine Learning section and show arrows indicating the flow of information. The Meet interface includes a "REC" indicator, the presenter's name "Goyani Mahesh is presenting", and a grid of participant avatars on the right. The bottom of the screen shows the Windows taskbar with the time 1:44 PM and the date 7-7-21.



REC Goyani Mahesh is presenting

DATA NEVER SLEEPS

- By 2020 the digital universe will reach 44 zettabytes, that's 44 trillion gigabytes!

Source: <https://digitalquora.blogspot.com/2019/09/what-happens-on-social-media-in-one.html>

18_005 Bhumi ... 18_044 Yamini ... Goyani Mahesh 19_02 Fenil Ahir 19_09 Shrey Ch... 94 others You

1:31 PM | Introduction to Machine Learning

Prof. Rutal S. Mahajan Assistant Professor is presenting

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Computer Science & Engg. Department
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 Google Meet

Date: 7th July, 2021
Time: 01:00 pm onwards

Dr. Mahesh M. Goyani
 Assistant Professor,
 GEC, Modasa

Prof. Rutal S. Mahajan, Prof. Devarshi B. Naik, Assistant Professor, CSE Department, SNPIT & RC, Umrakh | Prof. Viral H. Panchal, DC Head, CSE Department, SNPIT & RC, Umrakh | Dr. Piyush S. Jain, Principal, SNPIT & RC, Umrakh

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19_10Tarun Chelumalla 19_21 Kaushal Mistry 19_60 MUSKAN SHAH 20_06 Heema Mistry Prof. Rutal S. Mahajan ... 18_035 Dishe Patel 18_029 Jay Panchal Prof. Viral H. Panchal ... 8 others You

12:55 PM | Introduction to Machine Learning



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The screenshot shows a Google Meet interface with a grid of 45 participants. The meeting title is "Introduction to Machine Learning" and the time is 3:26 PM. The participants are arranged in a grid, with some showing video feeds and others as profile pictures. The interface includes a "REC" button in the top left, a toolbar at the bottom with icons for mute, video, chat, and other functions, and a Windows taskbar at the very bottom.

Participant Name	Participant Name	Participant Name	Participant Name	Participant Name	Participant Name	Participant Name	Participant Name	Participant Name
Goyani Mahesh	Prof. Rutal S. M...	18_004 Neha Ch...	19_00 Gautam	18_022 Harsh ...	19_09 Shrey Cha...	18_028 Harsh ...	18_005 Bhumi C...	18_044 Yamini P...
sarvesh prajapati	18_046 Zeel Patel	18_015 Dhruvil K...	19_60 MUSKAN ...	18_002 yug ban...	20_06 Heema M...	18_045 Yug Patel	19_50 Ujvalkuma...	18_058 Vaidehi S...
18_043 Vishmai ...	20_10Siddhi Patel	19_04 Bhargav	19_75Pruthvi Za...	19_23 Vatsal Mal...	18_059 Vedant S...	18_060 Ankita Tr...	Hemin Golakiya	18_063 Akash Ya...
19_04 Harshil ka...	19_06 Pujan Bhatt	19_02 Khushi Bh...	18_013 Utsav	19_18 Bhautik	20_05Janvi Gamit	18_026 Riya Mist...	Ridham Patel	19_25 Ridham M...
18_011 Kanchi D...	18_029 Jay Panc...	19_10Tarun Chel...	18_023 Sanket m...	18_033 Riya Par...	18_025 Hinal Mis...	18_017 Ramesh ...	12 others	You