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)

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Webinar Topics	Introduction to Machine Learning
Date	07/07/2021, Wednesday 1:00 pm onwards
Department & Year	3rd Year & 4th 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

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

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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
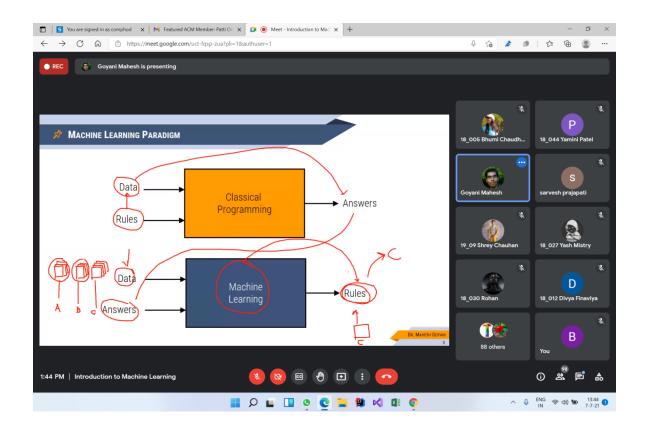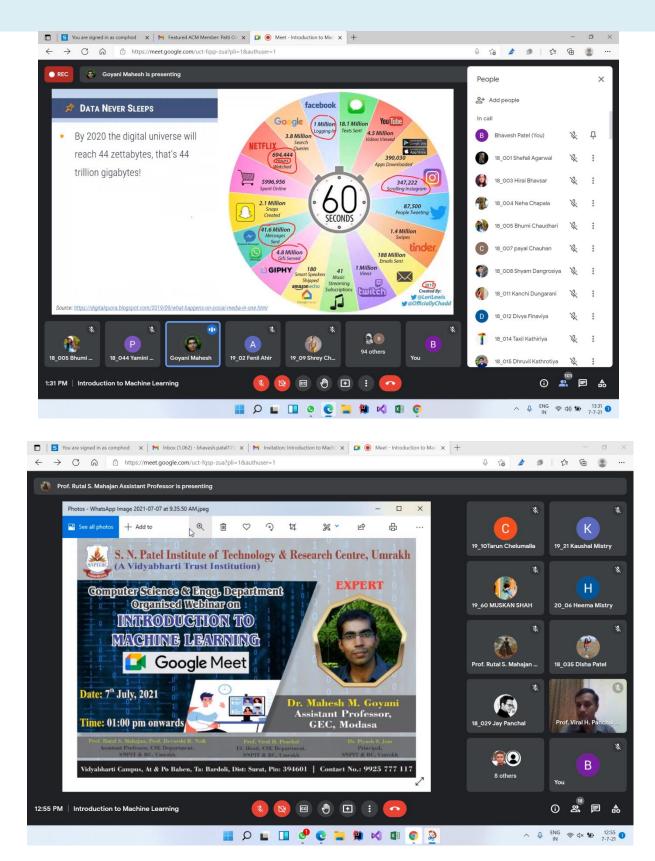
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International Conferences.

Outcome of Webinar:

Mr. Mahesh M. Goyani has delivered such an ergetic 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.

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