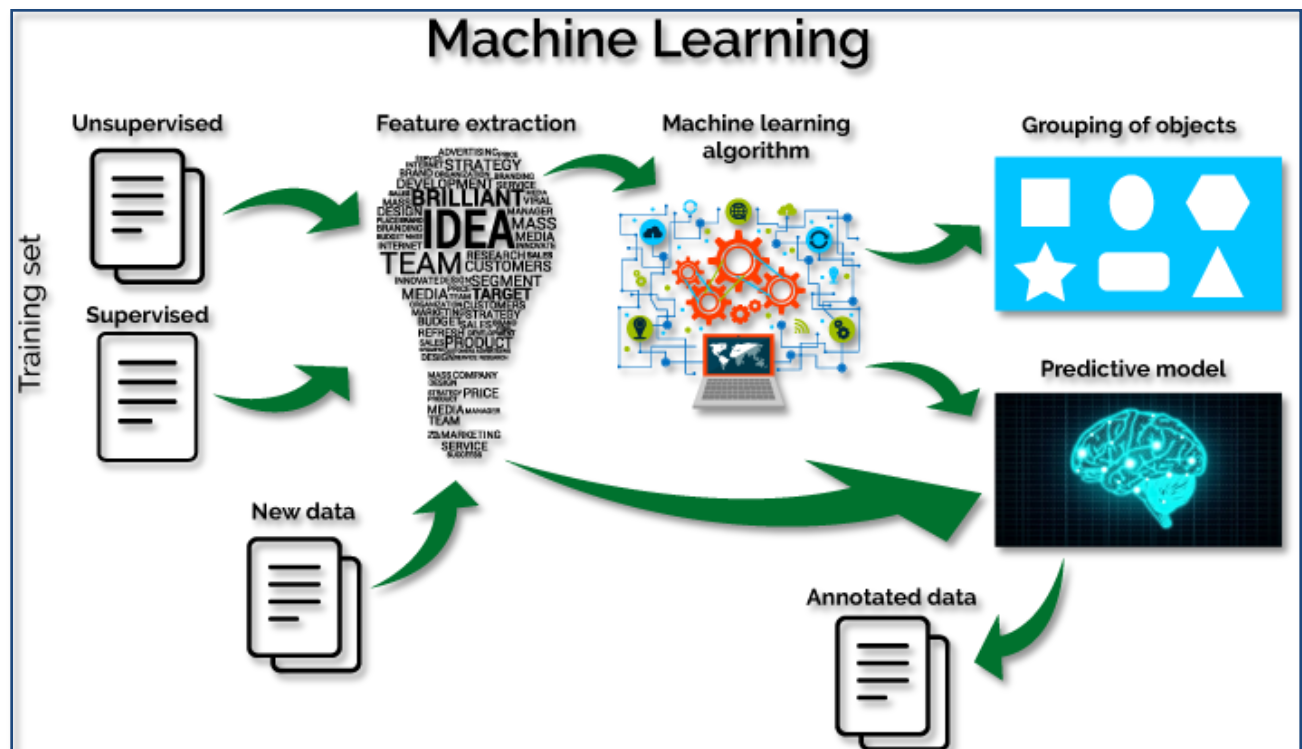**Sarvajanik Education Society**

Sarvajanik College of Engineering & Technology, Surat.

Master of Computer Application Department

Academic Year 2019-2020

Date: 18th July 2019

Report on Workshop on
Machine Learning

Gujarat Technological University has introduced new subject called Machine Learning in MCA Semester 5. Machine Learning is the hot cake of the current technology boom. Machine Learning Engineers have tremendous growth hike. In order to have a broader and industrial purview for benefits of students, MCA Department organized One Day Workshop on Machine Learning.

Speaker:	**Dr. Snehal Joshi**
Designation	**Dean, Computer Science and Information Technology faculty, V.N.S.G.U,** **Head of Computer Science Department, D. S. I. M. C., Valsad**
Date & Time :	**12th July ,2019 (10:30 AM to 4:30 PM)**
Venue:	**MCA Lab, SCET**
Targeted Audience	**Final Year Students and Faculties of MCA Department**
Coordinated By:	**Prof. Kaushika Pal and Dr. Alpa Shah**
Participants:	**60 Participants**

The session started with introduction of **Dr Snehal Joshi** by **Dr. Alpa Shah**. The workshop discussed different aspects related to Machine Learning. Theory sessions were accompanied by practical sessions and examples for better understandings.

<div align="center">

Highlights of the Workshop

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- **Introduction to Machine Learning**
- **Difference between Data Analysis, Machine Learning and Artificial Intelligence**
- **Data Preprocessing, Model Preparation**
- **Supervised and Unsupervised Learning Algorithms**
- **Scientific Computing Libraries like Pandas, NumPy, SciPy**
- **Visualization Libraries like Matplotlib, Seaborn,**
- **Algorithmic Libraries like Scikit-learn, statsmodel**
- **Linear Regression**
- **Polynomial Regression**

The workshop created a roadmap for various aspects that are carried out in Machine Learning. The session helped to kick start and gear up students for the newly introduced subject. The session was interactive. The participants gave good feedback for the workshop and were happy to take advantage of the learned speaker.
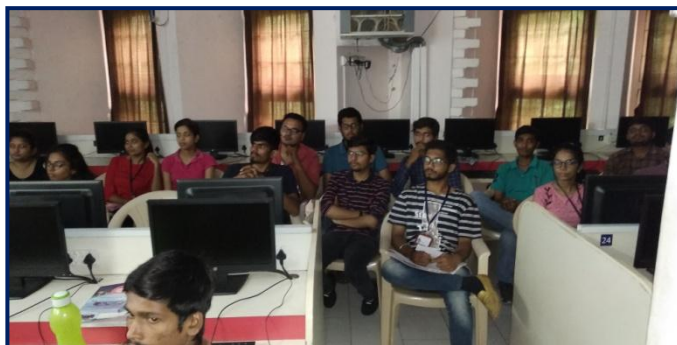
Prof. Zankhana Vaishnav presented vote of thanks, followed by **Prof. Kaushika Pal** presenting a token of gratitude.

We would like to thank **Shri Bhaskar Cheruku**, Registrar SCET, for making the process hurdle free. We would also like to extend our gratitude to **Dr. Hiren Patel**, I/c Principal, SCET Engineering, for his continuous support.

Some glimpses of the workshop are shared for kindest perusal.

Introduction to Speaker by Dr. Alpa

Students involved in learnings

Speaker interaction

Vote of Thanks by Prof. Zankhana

Memento Presentation by Prof. Kaushika

Group Photo

Report compiled by Prof. Kaushika Pal and Dr. Alpa Shah