

## **Workshop: “Introduction to Machine Learning with Python”**

**Date:** 26<sup>th</sup> February, 2019

**Time:** 09:00 AM - 05:00 PM.

**Venue:** ARC Center

The Machine learning workshop was organized by Department of Computer Engineering on 26<sup>nd</sup> February, 2019. As it was a hands-on workshop, the sessions started sharp at 9:00 AM and covered explanation of basic algorithms of machine learning.

The session was conducted by Mr. Surendra Mishra, Sr. Analyst at Bank of America under the guidance of Mr. Rupesh Mishra, Assistant Professor in the Department of Computer Engineering. Aim of the workshop was to fulfill gap in the T.E./ SEM VI/ Machine Learning subject. The workshop was free and compulsory for all the T.E. student opted for the Machine Learning course.

The first half of the workshop included, “Introduction to machine learning” and implementation of machine learning algorithms on sample dataset. Regression, Classification and clustering techniques were covered, which included explanation of basics of python, Introduction to neural networks, intro statistical libraries such as numpy, pandas, and matplotlib. The instructors initially focused on the introductory topics and making sure that all participants were able to follow these terminologies. The latter half of the workshop included data visualization and presentation using matplotlib with examples.

The workshop mainly focused on practicing all the theoretical concepts learned in the class, the concepts were implemented in python. Participants were made aware of different python libraries and their functionalities in order to use them for implementing machine learning. Different classification problems and visualization methods were taken by the instructors. The session concluded at 5 pm.

The workshop was well organized and sufficient amount of time with examples were given to each concept regarding machine learning, which was learnt by the participants. The event ended with a thank you note to the speakers by Mr. Rupesh Mishra.



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