



**SILVER OAK  
UNIVERSITY**  
EDUCATION TO INNOVATION



**IEEE**

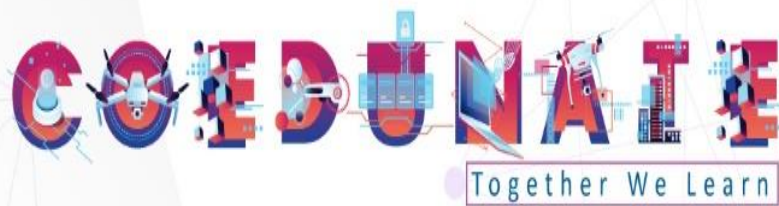
**Silver Oak University  
IEEE Student Branch**

A REPORT ON  
**CoEdunate: Learn How Machine Learns**  
**Part-1**

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**Date: 26<sup>th</sup>-28<sup>th</sup> June, 2021**  
**Platform: Zoom Meeting**

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***LEARN HOW MACHINE LEARNS***

## Introduction

**Silver Oak University IEEE Student Branch** always works on the advancement of the students by providing the opportunity to learn, develop new technical skills, and network with fellow student members. With the same virtue, SOU IEEE Student Branch had initiated a learning workshop **“CoEdunate: Learn how Machine Learns”** under the program, **“CoEdunate: Together We Learn”**, exclusively for our Student Branch members. The motto behind conducting this event was to explore and deep dive into the Basics of Data Science with Python and Core Machine Learning.

## About the Speaker

This workshop was conducted by our talented Student Branch members, **Ojas Wani** and **Zeeshan Deradiya**. Both the mentors have great knowledge of Python libraries and Machine Learning. They have also made several projects using Machine Learning.

## About the Session

**Date:** 26<sup>th</sup> – 28<sup>th</sup> June, 2021

**Time:** 02:00 PM to 4:00 PM IST

**Platform:** Zoom Meeting

**Participants: 28**

The workshop is to be conducted in two parts, Part-1 and Part-2 along with regular doubt solving sessions.

### Day 1 (Dated on 26th June 2020)

The first session of **“CoEdunate: Learn How Machine Learns”** was commenced by Ojas Wani. He started with a brief introduction of Python, usage of Python in different fields, Python in Data Science, and Machine Learning. After his introduction, Zeeshan Deradiya guided the session and discussed Python Basics which covered topics such as Variables, Data types, User input, dictionaries, If-else, Functions, and how to work with Jupyter notebook. The session ended up giving an overview of the introduction of Python libraries - Pandas and Numpy.

### Day 2 (Dated on 27th June 2020)

In the second session of the workshop, Zeeshan Deradiya discussed Python Libraries - Pandas and Numpy. In Pandas, he explained some commonly used data structures like Series objects, DataFrame Objects, Panel Objects, and Data Frames which can be easily exported and imported from CSV, Excel, JSON, HTML, and SQL databases. Further, in Numpy he explained some of the important attributes and objects.

### Day 3 (Dated on 28th June 2020)

On the third day, the workshop was coordinated by Ojas Wani. The session began with an introduction to Data Visualization which included Matplotlib and Seaborn. He proceeded with how the data can be visualized with the help of Matplotlib and seaborn using different methods. And, he quickly gave a concise introduction to Machine Learning, and also guided the members with some real-life projects. The last day of Part-1 concluded with a doubt-solving session.

### Conclusion

The session was concluded by thanking the student speakers and all the participants. The Part-1 program of “CoEduate: Learn How Machine Learns” covered the fundamental concepts of Python programming and Data Science. It provided the participants a strong exposure to diversify their technical expertise.

### Some glimpse of the event



