#### Aditya Silver Oak Institute of Technology Department of Computer Engineering/Information Technology

Title of the event: 2 Days Workshop on "Deep Learning"			
Coordinator: Prof. Sagar Patel			
Mode of Webinar:	Zoom	Date:	5/7/2021 - 6/7/2021
Semester:	5 <sup>th</sup> CE/IT	•	

#### Abstract:

Machine Learning has nowadays become one of the most important parts of the technology. Deep Learning is a subfield of machine learning concerned with algorithms inspired by the structure and function of the brain called artificial neural networks. The ability to process large numbers of features makes deep learning very powerful when dealing with unstructured data. So for students it is necessary to understand the importance of deep learning and through this workshop they were able to experience real time working and understanding in the field of Deep Learning.

### Expert or Guest Profile (In Detail):

Mr. Sagar Patel, Aditya Silver Oak Institute of Technology More than 11 years of experience Specialization: Deep Learning, Machine Learning, IOT

#### **Topics delivered:**

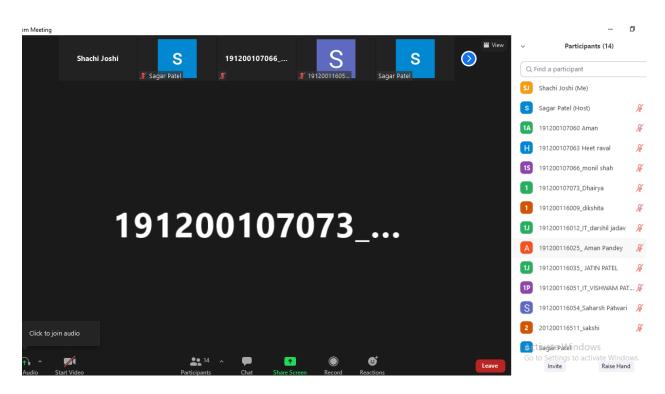
- What is Machine Learning and Deep Learning?
- Basics of Neural Networks
- What is Artificial Neural Networks ?
- Convolutional Neural Networks
- Difference between Neural networks vs Deep Learning.
- Optical Character Recognition
- How to train MNN Training
- Back propagation
- Vanishing and Exploding Gradient Problem

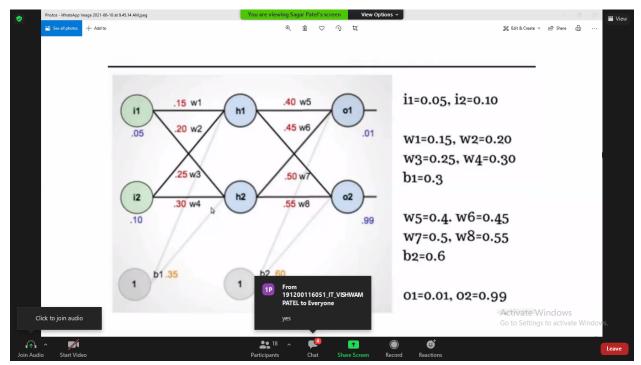
# No. of Participants: 25

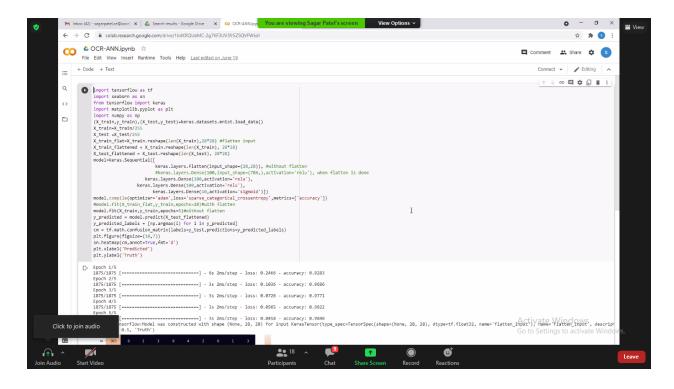
# Impact of that event in terms of POs & PSOs:

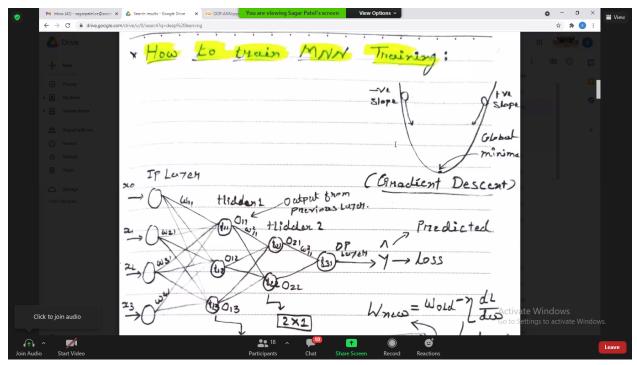
- Importance of Deep Learning in upcoming era of technology
- Knowledge for Neural Networks
- Artificial Neural Networks
- Scope of Deep Learning
- Implementation of OCR-ANN
- Understanding of MNN Training

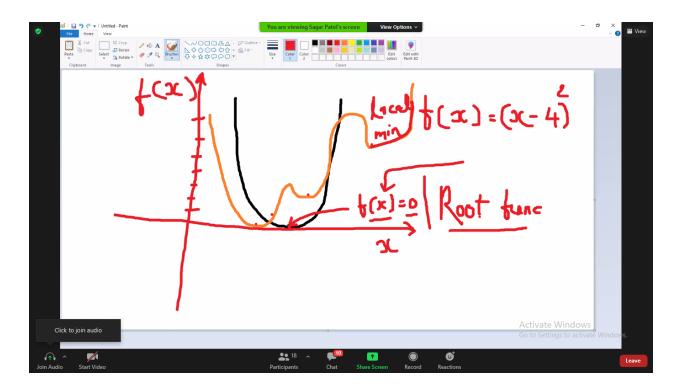
#### **Photographs:**

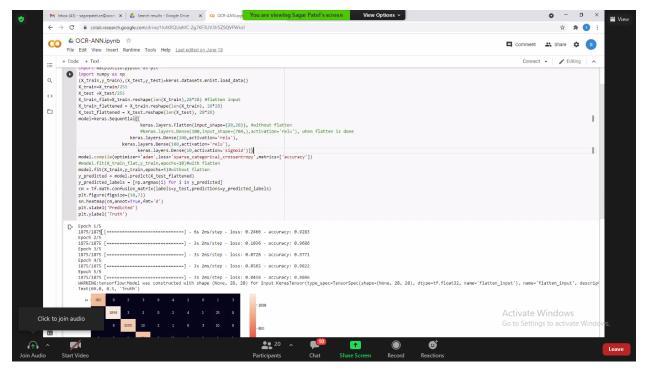












# Attendance sheet with student name:

Available in Google Form Response Sheet

# Student feedback:

"Genuinely one of the best workshops I've attended."

"I found it really interesting and was able to gain a lots of knowledge regarding Deep Learning"