

**Event Report On**  
**AICTE SPICES & CVM UNIVERSITY**  
**Sponsored SKILL CARNIVAL**  
**Webinar on**  
**“Advanced Machine Learning”**  
**4<sup>th</sup> September, 2021**



**Organized By: -**

**ISTE STUDENT CHAPTER (CE & IT branch)**

**Madhuben & Bhanubhai Patel Institute of Technology**

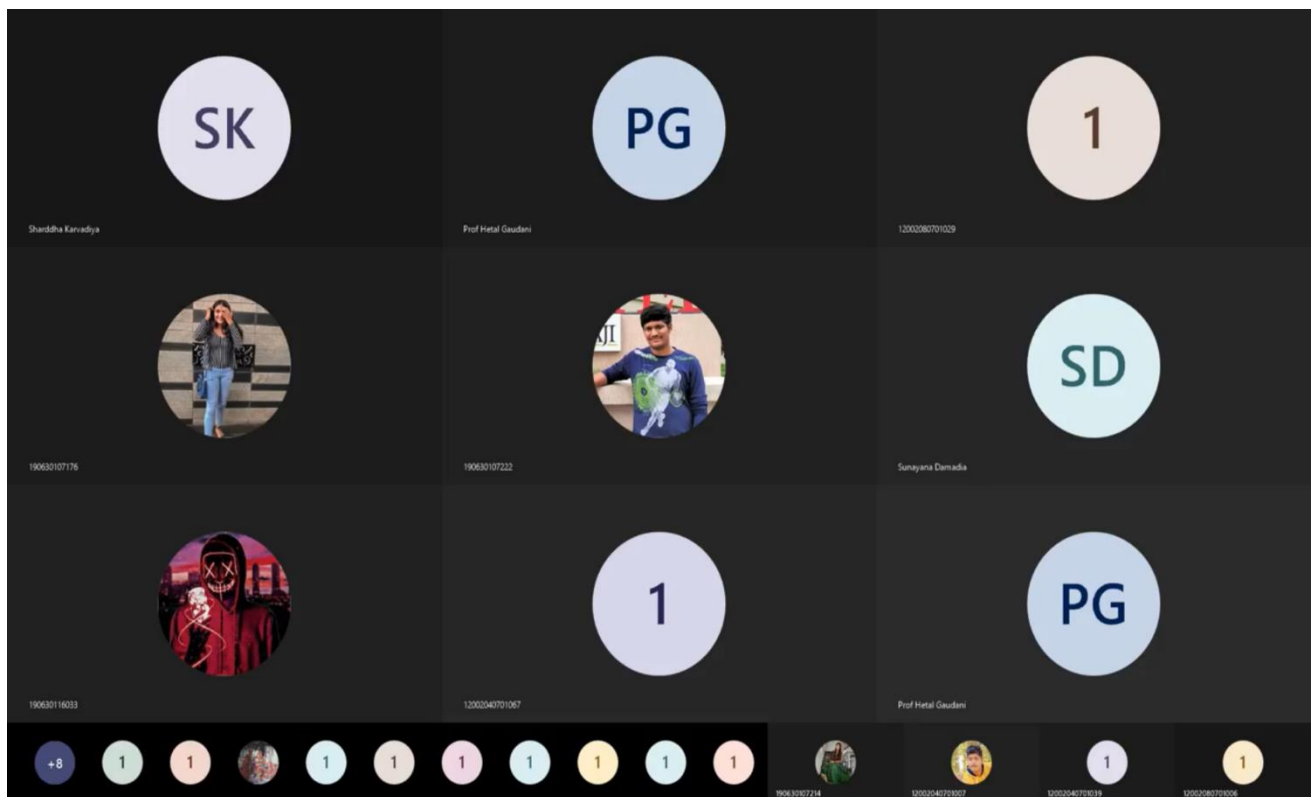
**(A Constituent College of CVM University), New Vallabh Vidyanagar**

The Webinar on **Advanced Machine Learning** was organized by department of Computer Engineering & Information Technology under ISTE Student Chapter of MBIT. Webinar was conducted through online mode on Microsoft Teams on 4<sup>th</sup> September 2021 during 1:00 to 2:30 pm. Prof. Shraddha Korvadiya (CE Dept., MBIT) commenced the session with an expert introduction.

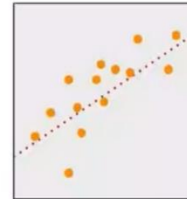
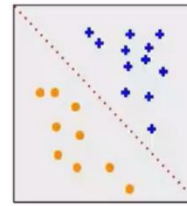
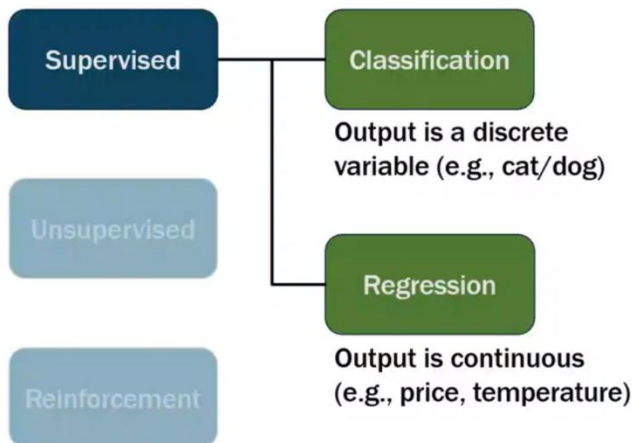
The expert was Prof. Hetal Gaudani. She is a faculty of Computer Engineering Department in G H Patel Institute of Engineering & Technology (An autonomous institution).

She delivered brief presentation on Machine learning. She explored basics of Machine learning with practical implementation. Some amazing topics covered by Speaker are:

- What is Machine learning?
- Types of Machine learning Problems.
- Step to solve a Machine learning Problem.
- Data Gathering.
- Data Preprocessing.
- Future Engineering.
- Algorithm Selection & Training.
- Evaluation.
- Making Predictions.
- Summary.
- Data Treatment.
- Future Extraction.
- Neural Network.
- Result and Analysis.



## Types of Machine Learning Problems



$$y = m * x + b$$

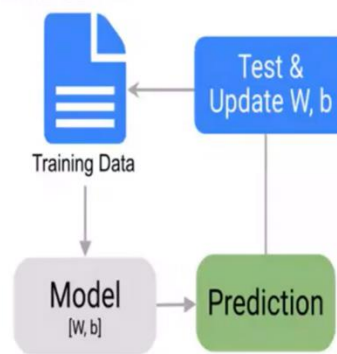
OUTPUT      SLOPE      INPUT      Y-INTERCEPT

WEIGHTS =

$$\begin{bmatrix} m_{1,1} & m_{1,2} \\ m_{2,1} & m_{2,2} \\ m_{3,1} & m_{3,2} \end{bmatrix}$$

BIASES =

$$\begin{bmatrix} b_{1,1} & b_{1,2} \\ b_{2,1} & b_{2,2} \\ b_{3,1} & b_{3,2} \end{bmatrix}$$



- Sentence tokenization

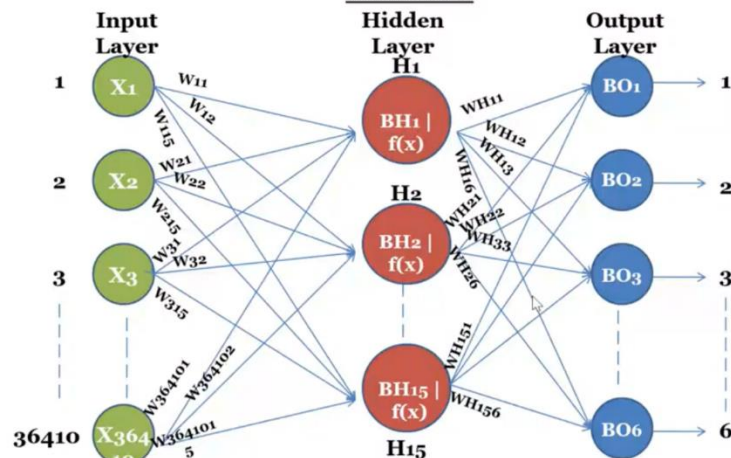
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 → endur buddi neer well  
 → thought maximum ethanol check recent

- Word tokenization

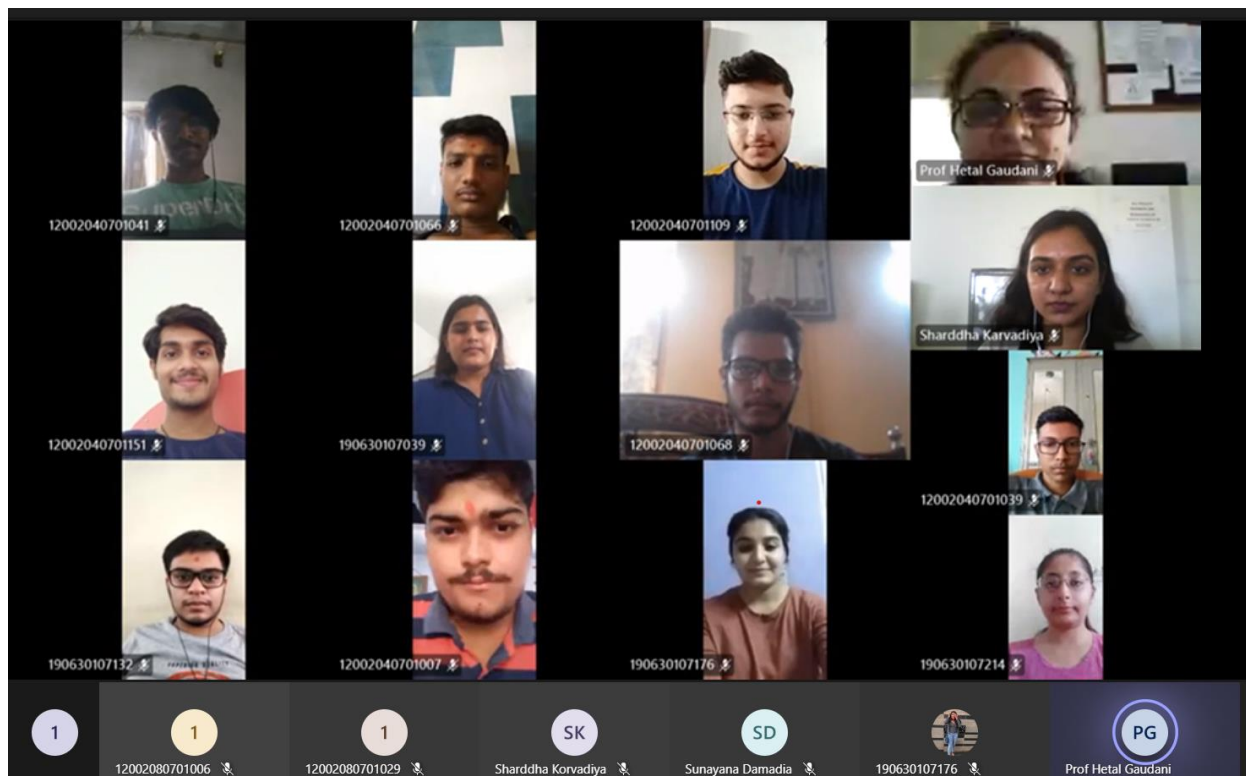
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 ', 'usernam', 'youll', 'abl',

32

## Neural Network



Prof. Shraddha Korvadiya(CE Dept., MBIT) gave a vote of thanks to Prof. Hetal Gaudani at the end of event. She also gave a vote of thanks Prof. Nirav Raja, Head of the department of CE & Prof. Hetal Chudasama, Head of the department of IT for their constant support and encouragement which always helps us to carry out such event. The Webinar was conducted under the guidance of Prof. Sunayana Domadiya, Prof. Shraddha Korvadiya. ISTE student coordinators had provided background support for successful conduction of this webinar.



### Organized Team:

We are thankful to our principal and CVM University for providing such opportunity which provide us a platform to conduct such webinar for the students and gaining knowledge in such pandemic situation. We are also grateful to AICTE-SPICES and CVM University for providing financial support for this webinar.

### Quiz:

The Quiz was taken of 15 marks based on topics delivered during the session of the webinar.

**No. of Participant: 62**

### Feedback:

- Totally worth the time. The content was wonderful. - **Rony Parmar**
- The session was super informative. - **Mahima Shah**
- Information which is given by Hetal Gaudani mam about Advanced Machine Learning is amazing...! – **Om Dave**