





SAL COLLEGE OF ENGINEERING

&

SAL INSTITUTE OF TECHNOLOGY & ENGINEERING RESEARCH

Department of Information Technology

Awareness Program

On

"Innovative Applications of ML in Social Media Domain"

21st February, 2022.

Director: - Dr. Rupesh Vasani Principal: - Dr. Bhavna Soni Head of Department: - Prof. Vijaysinh Jadeja

Session Conducted by: - Asst. Prof. Alpa K. Oza

Department of Information Technology,

SAL Education, Ahmedabad







Date: 21/02/2022

Venue: SAL College of Engineering & SAL Institute of technology & Engineering Research

Mode of Workshop: Online – Zoom

Title of Workshop: Innovative Applications of ML in Social Media Domain

Name of speaker: Asst. Prof. Alpa K. Oza

No. of students Participated: 70

No. of faculties Participated: 15

No. of external Participated (if any): Nil

Objective:

To make the Students aware about the various Innovative Applications of ML in Social Media

Social media platforms have become an integral part of day-to-day life for a majority of the world's internet users. People tend to get more erudition from social media. Apart from information, people can create content for social media to showcase their skills. An example is the video resume, which professionals create and publish on social media to show their presence. Content can take different forms such as images, text, emoticons, and videos.

Benefits in Terms of Learning, Skills & Knowledge:

Since there are not many limits on content creation on social media, users generate a massive amount of data that shows all the characteristics of big data. This data can be used for different analytical and predictive applications for business. Selling data through APIs for business and educational purposes is also a business for many data giants. Structural Query Language is not sufficient to mine information from big data. It needs complex statistical and machine learning (ML) approaches to glean information from this massive data. The chapter provides a survey of different metaheuristic machine learning algorithms used for various interesting research problems in the domain of social networks and big data.

About the Event:

The Department of Information Technology of SAL College of Engineering & SAL Institute of Technology & Engineering Research has organized an Awareness Program on "Innovative **Applications of ML in Social Media Domain**" for the students. This workshop was organized so that students can understand, how machine learning helps social media and promotes business.

Highlights of the Workshop:

The workshop started with the brief Introduction of Institution's Innovation Council, given by event coordinator **Asst. Prof. Aarti Parekh**. 'MHRD's Innovation Cell (MIC)' is to encourage, inspire young students by supporting them to work with new ideas while they are in their formative years. MIC has envisioned creation of 'Institution's Innovation Council (IICs) across selected HEIs. Foundation and journey of IIC in Sal Education since June 2020 was explained.

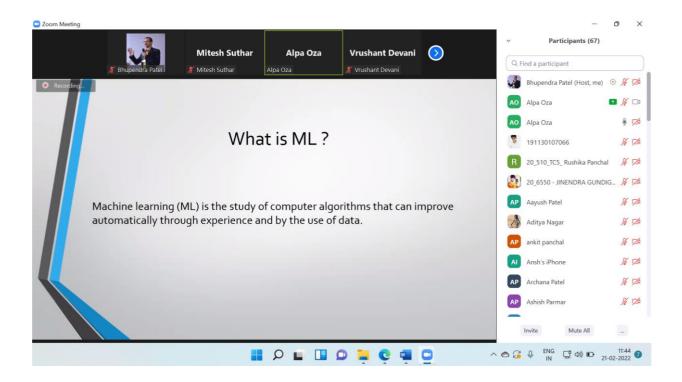






Thereby event was conducted by **Asst. Prof. Alpa K. Oza** on "Innovative Applications of ML in Social Media Domain" Machine Learning is important because it gives enterprises a view of trends in customer behavior and business operational patterns, as well as supports the development of new products. Many of today's leading companies, such as Facebook, Google and Uber, make machine learning a central part of their operations. These social media platforms allows machines to decide which advertisements are to be shown to which audience. They collect data from users, analyze it, find out their preferences and accordingly show advertisements which hold their interest. A series of algorithms that enable computers to identify patterns in data and classify it in clusters. This is perfectly adapted to unstructured data as social media postings don't follow any rules. It is usually a mix of text, images, sounds, and video.

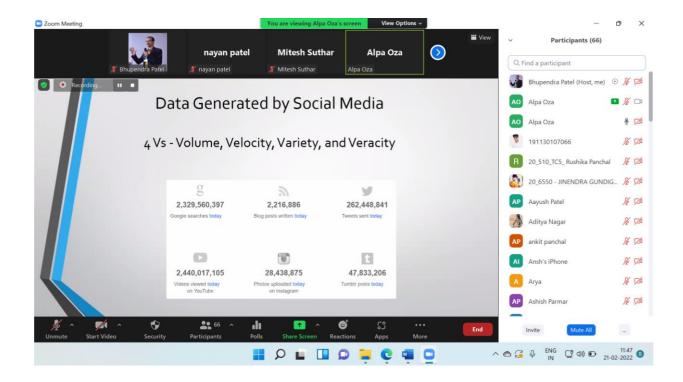
This event offered an edge to e-learning over classroom teaching by ensuring that the students learn effectively with the varied formats of content in an interactive, engaging, and techie manner. Machine learning lets you scale your social media analysis to any amount of data - that could mean trillions of posts! And yet you can still easily keep up with consumer opinions and trends.

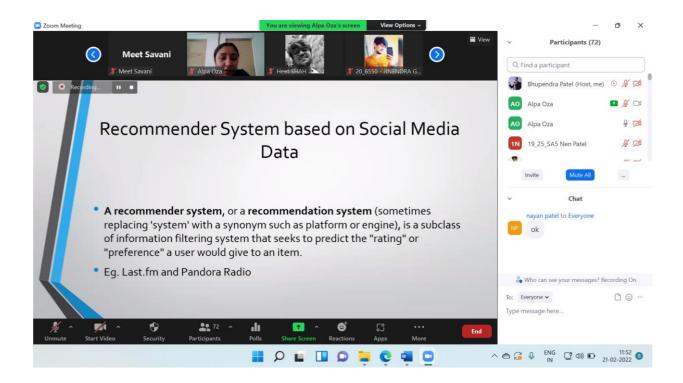








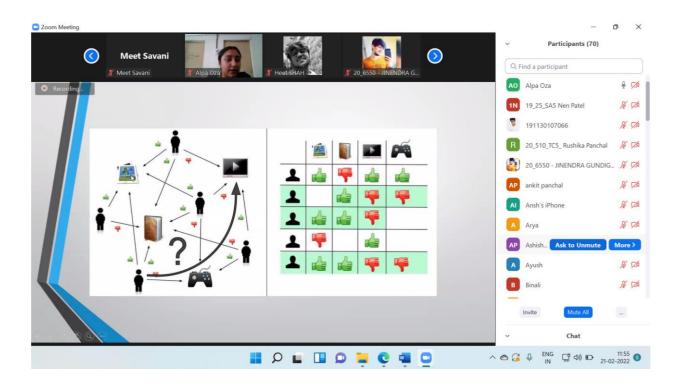


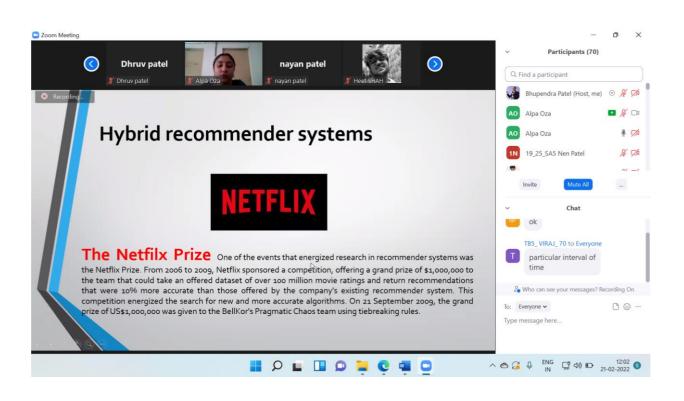








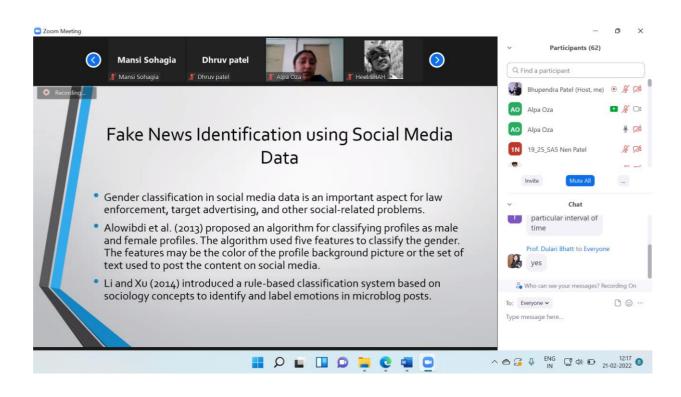


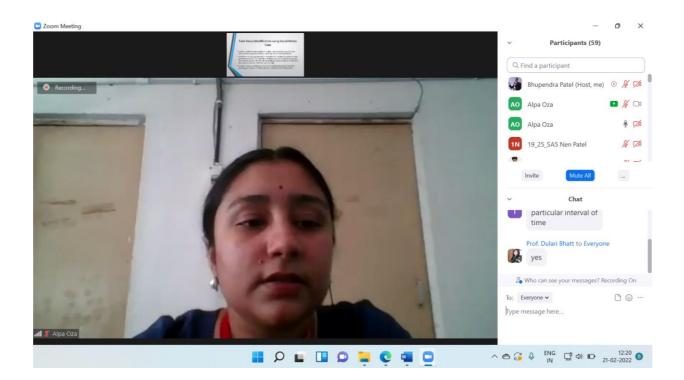








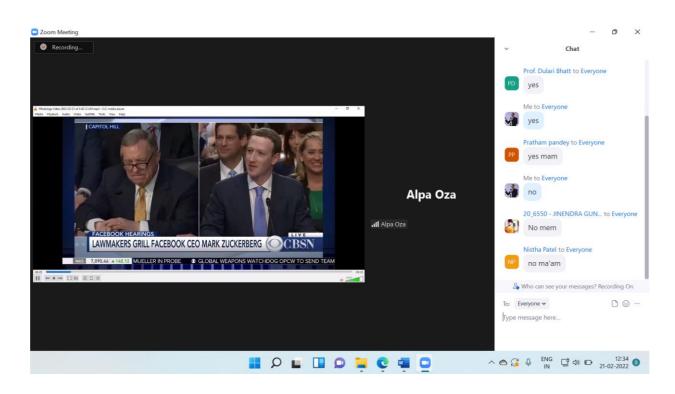












Total 70+ participants were present in this program including students and Faculty members. Students will have a good impact of this session in their design engineering projects and final year Internship subject as per the curriculum of the University.

Report Prepared By: Asst. Prof. Alpa K. Oza Dept. of Information Technology,

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