Report on Webinar on

"Data Analytics and Machine Learning in Real World"
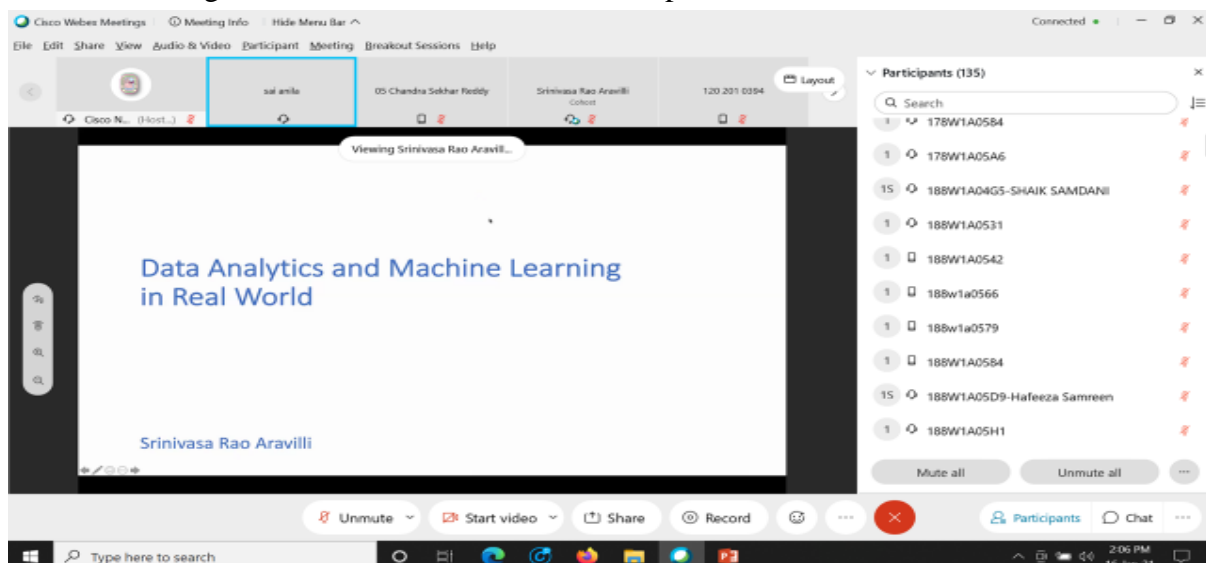
Date: 16th January 2021

CSI Student Chapter

The Department of Computer Science and Engineering has organized a webinar on "**Data Analytics and Machine Learning in Real World**" on **16th January 2020 under CSI Student Chapter. A total of 207 students have attended this webinar from departments of CSE, ECE, EIE and EEE.**
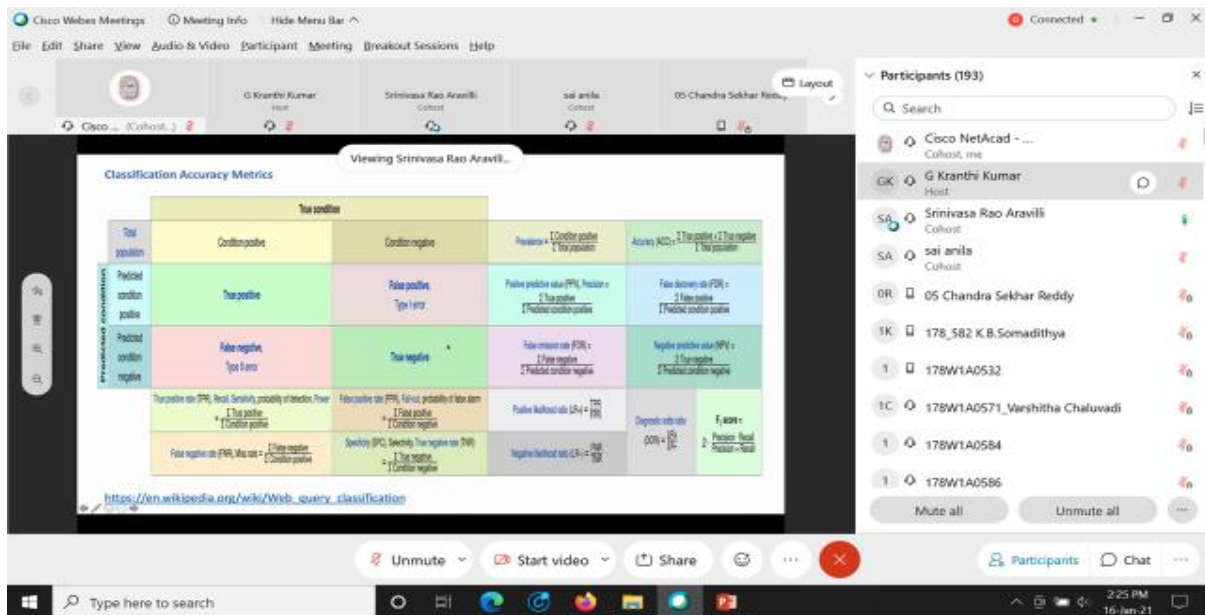
The main objective for organizing this webinar are:

- Have a good understanding of the fundamental issues and challenges of machine learning: data, model selection, model complexity, etc.
- Have an understanding of the strengths and weaknesses of many popular machine learning approaches.
- Appreciate the underlying mathematical relationships within and across Machine Learning algorithms and the paradigms of supervised and un-supervised learning.
- Be able to design and implement various machine learning algorithms in a range of real-world applications.
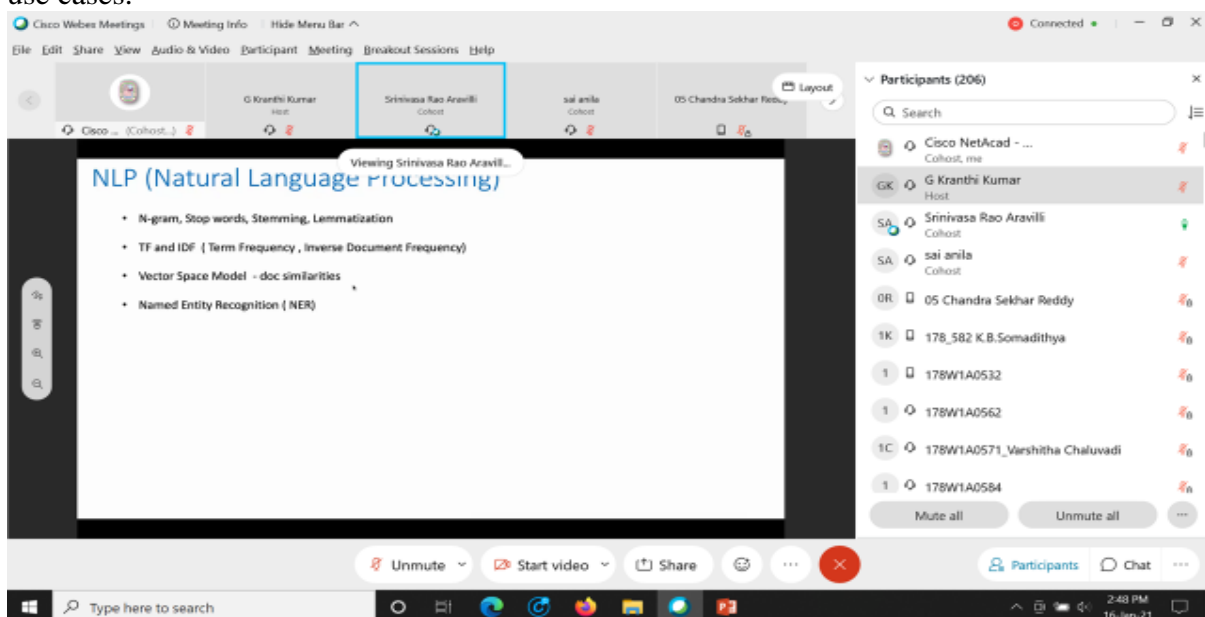
Most of the data science problems are solved using machine learning. The seminar consists of a series of modules, aims to provide much-needed machine learning skills by introducing ML concepts to students. Data science professionals are in high demand in the industry today and this Webinar will be helpful for selecting a professional career. Mr A Srinivasa Rao, Director, VISA INC has given consent to act as the resource person for this webinar.
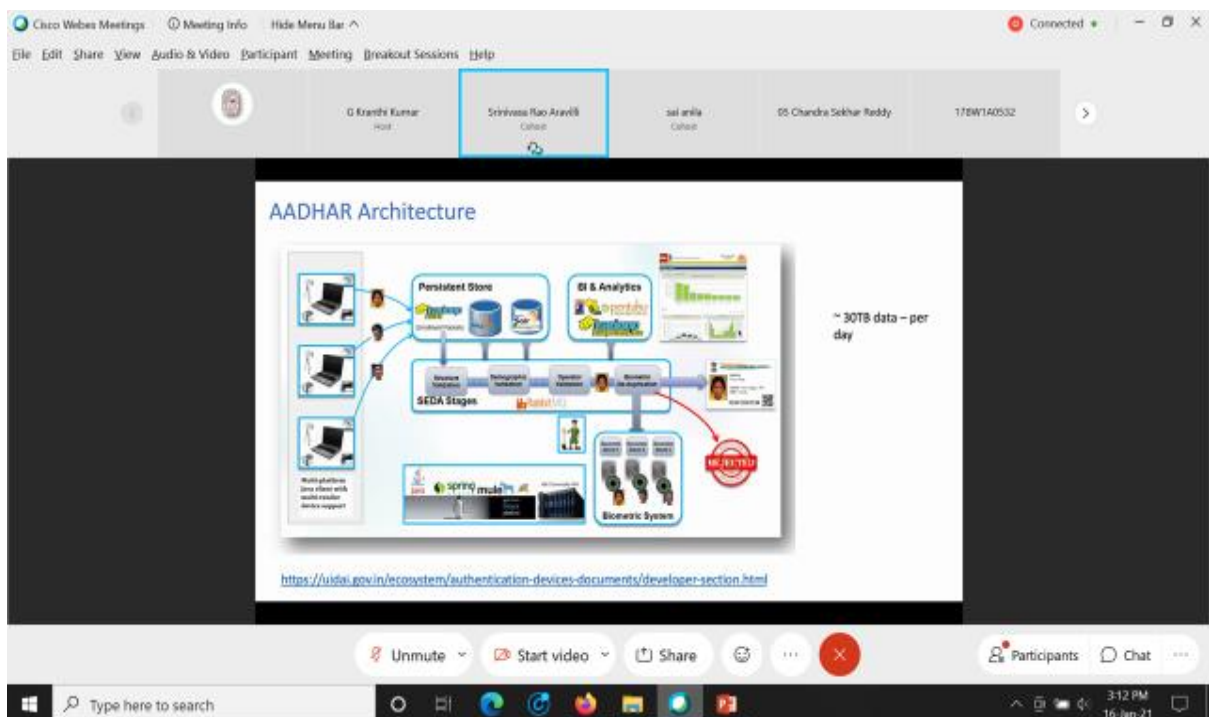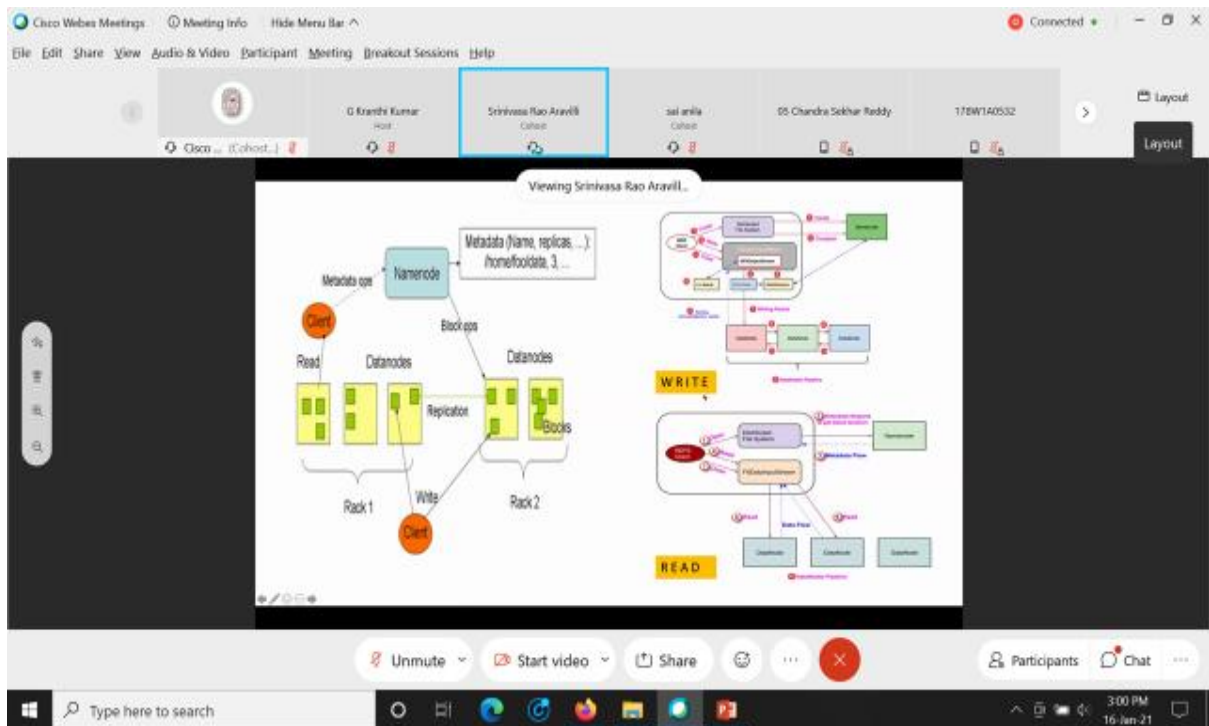
Machine Learning has been on top of the charts of trending advanced technologies since a long time. It is a method of data analysis that automates analytical model building and happens to be a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention. In order to make the students acquainted with this topic, the department of computer science and engineering in Velagapudi Ramakrishna Siddhartha engineering college has conducted a webinar on "Data analytics and machine learning in real world" under CSI student chapter. It was a one day webinar where everything from basics to the fundamentals was taught to the students.

The following topics were covered in the webinar like the prediction of marks using linear regression, Clustering algorithms, Time series data analysis, Deep learning, Natural language processing, Conversational AI, Source code review, Code recommendations, clever code commit using artificial intelligence tools, Artificial Intelligence and Machine Learning use cases.

The resource person Sri. A. Srinivasa Rao has given some information to students about the applications and case studies regarding these concepts and has motivated the students how to make a good projects for their curriculum.

Towards the end of the session, the corodinators Dr G Krishna Kishore and Dr G Kranthi Kumar conveyed their vote of thanks to the speakers who helped seed many critical discussions for the future of Machine Learning on the Web, and to participants who helped develop a shared perspective on that future.