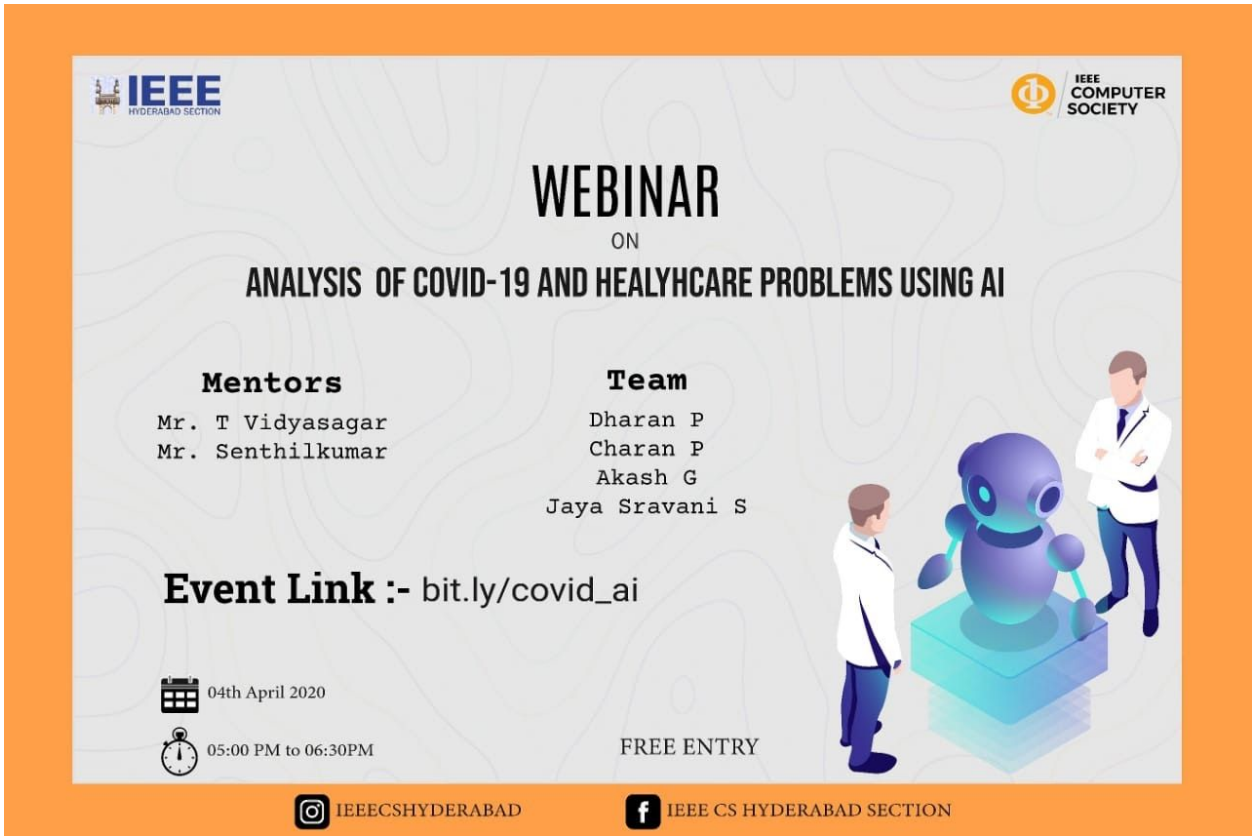
Report on Webinar

Date & Time : 4th April,2020 from 5:00 pm to 6:30 pm

Description : To demonstrate different problems analysis on COVID-19 and healthcare domain using AI.

IEEE Computer Society Ideate team, Hyderabad Section had organised the webinar on the topic Analysis of Covid-19 & Health care Problems using AI. Mr. Vidya sagar, the chairman of IEEE Computer Society Hyderabad Section hosted the webinar with 111 delegates and appreciated their interest.



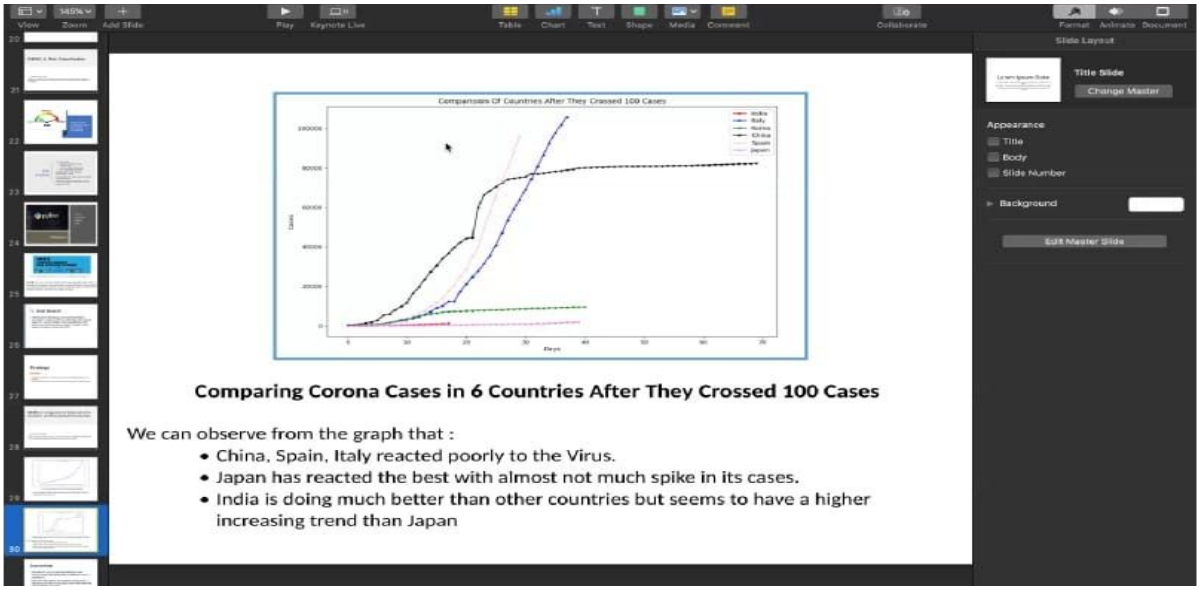
Mr. Senthil Kumar started the session by sharing his knowledge on the Data Analysis on Health care by covering four major steps to be performed.

1. Descriptive Analysis

2. Diagnostic or Prescriptive Analysis
3. Predictive Analysis
4. ML, AI and Cognitive Analysis

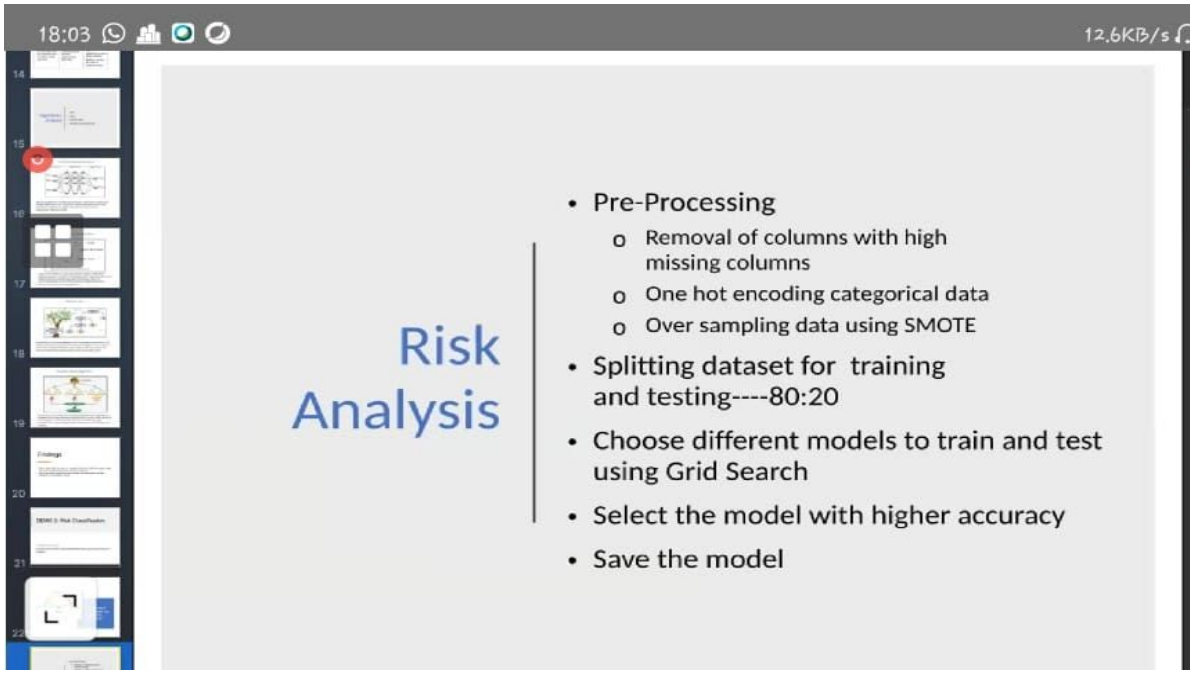
The webinar included three topics Comparison of India with other Countries and Forecast of Corona Data, Risk Classification and Churn Analysis.

Mr. Akash Gujju started on the first topic Comparison of India with other Countries and forecast of corona data by describing how he had analyzed the covid data of India with other countries and also how he forecasted the data for the next few days. He explained the steps for analysis, starting with Preprocessing of Data i.e, reading of data from multiple sources and extracting the necessary data. Later he explained the data visualisation concepts followed by the machine learning model.



Mr. Sai charan Perur and Mr. Dharan Kumar handled the session on the topics Risk Classification & churn Analysis. Dharan Kumar gave various insights about how to classify the data by collecting the data samples and performing the grid search for risk classification and later Sai charan continued the session by explaining the

algorithms which can be used to analyse the data to make decisions. He has given detailed information about the Artificial Neural Networks, Support Vector Machine, Decision tree and random forest algorithms.



The group of speakers later shared graphs comparing the data as examples of Data mining.
The webinar ended with Mr. Vidyasagar presenting vote of thanks to Mr. Senthil Kumar and his students for their time and all the delegates for showing interest in learning new things

Outcome of the webinar:

The Delegates learnt about the process and methods of analysing the data of Covid-19 along with the softwares and algorithms which are needed for the results and also how we can analyze healthcare problems using AI.