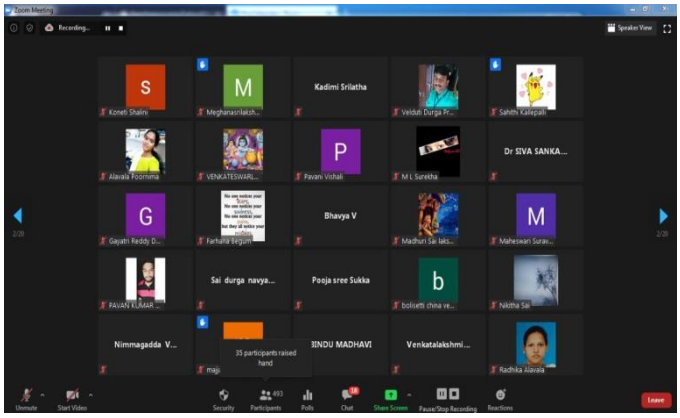
UGC Sponsored Two Day National Webinar on

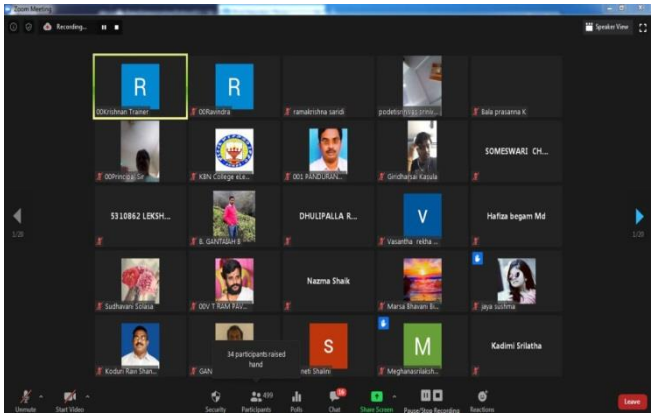
"DATA SCIENCE USING PYTHON"

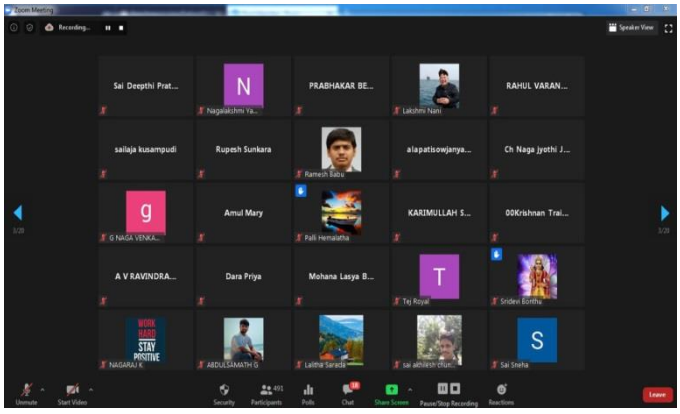
25th & 26th May, 2020

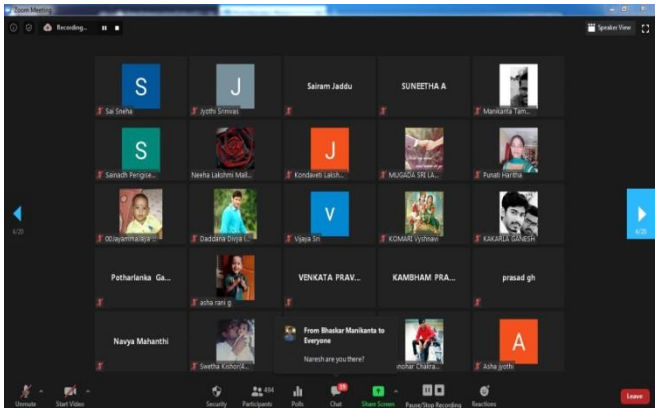
Organized by: Department of Computer Science & Applications

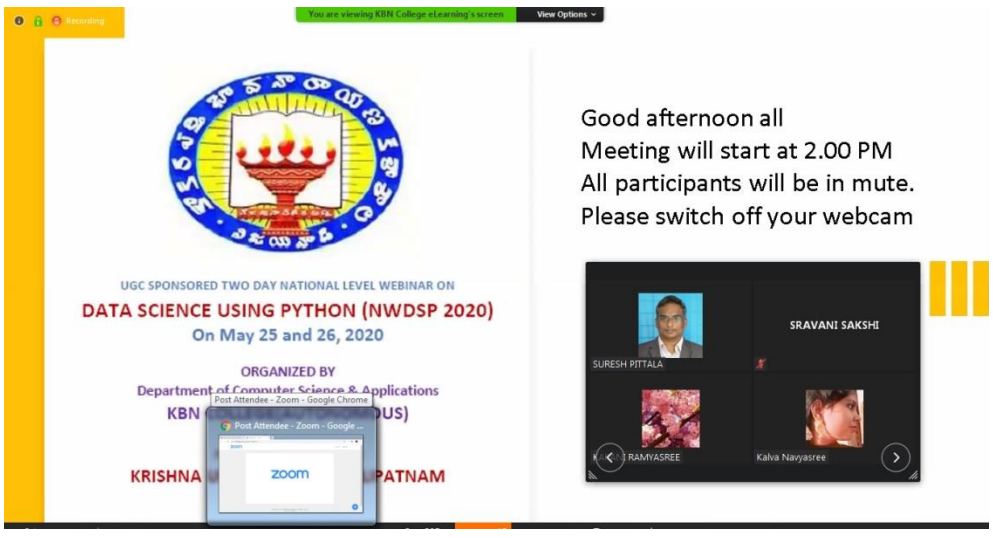
Day - I - 25th May, 2020



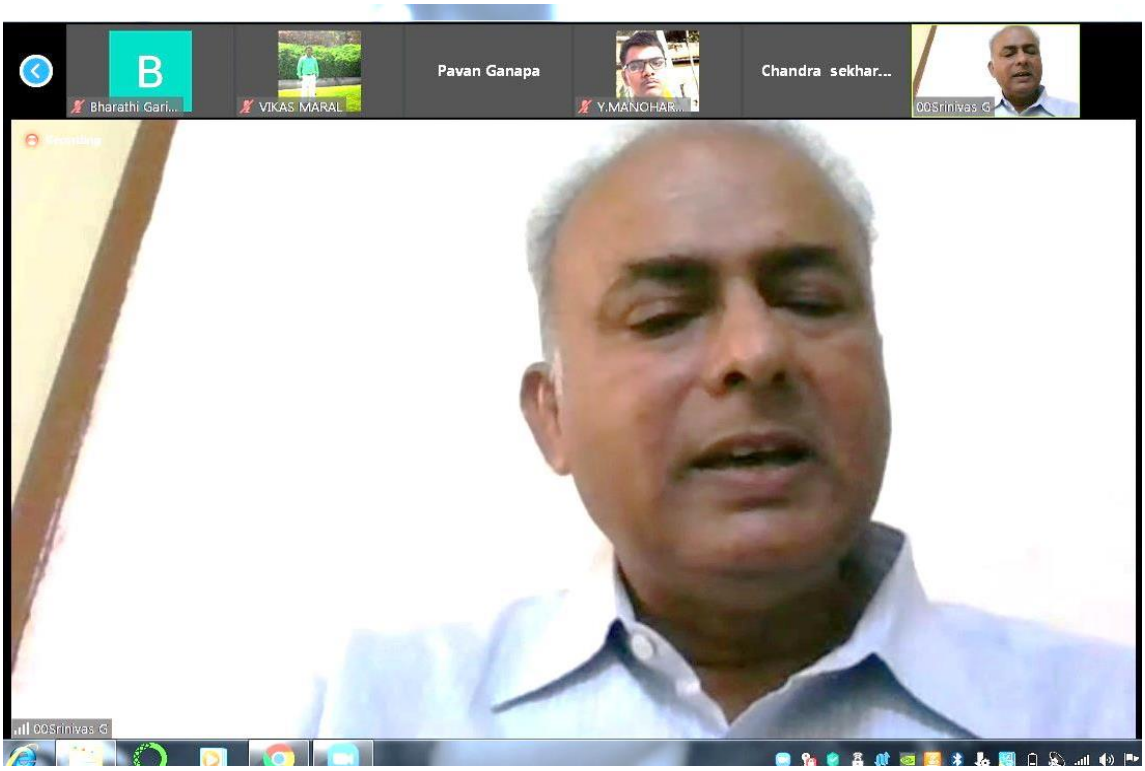






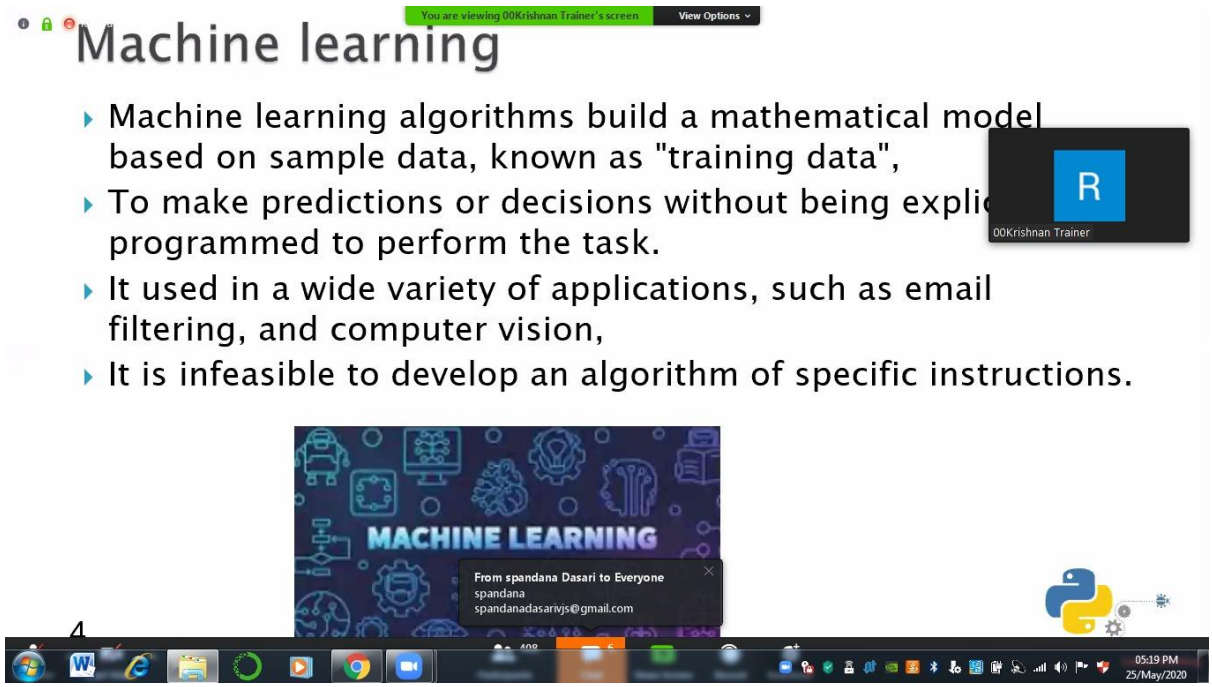


Introduction of the Webinar by Dr. V. Narayana Rao, Principal

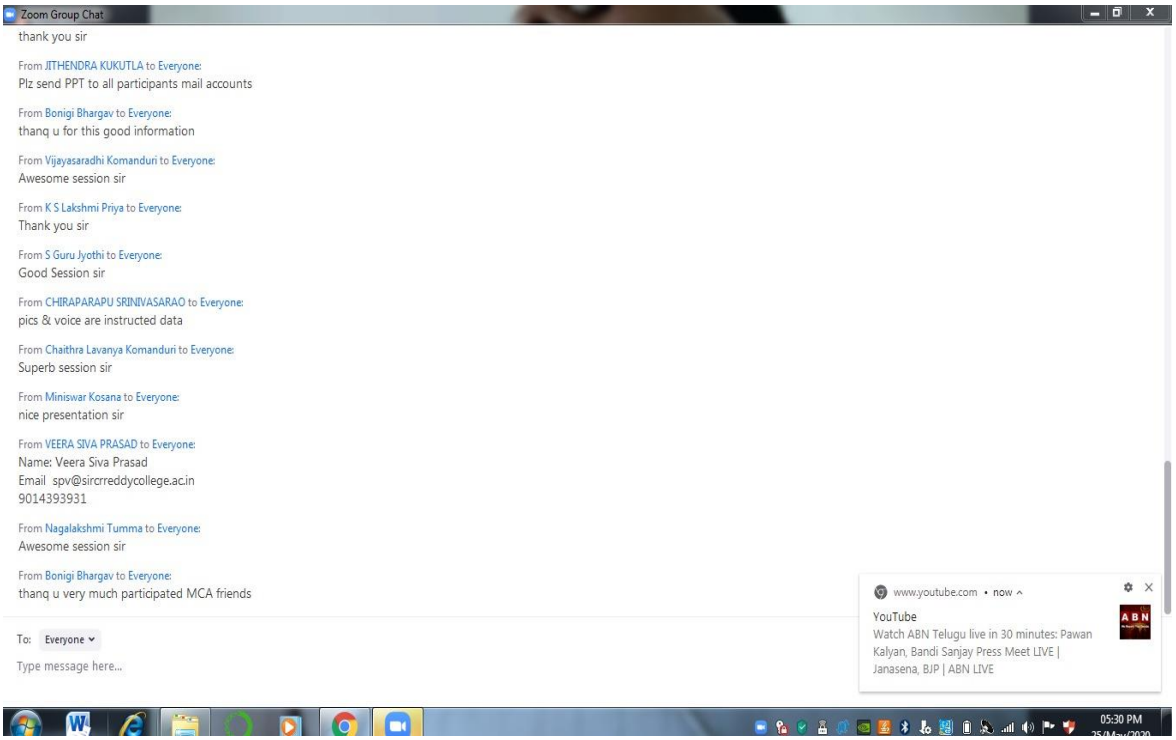


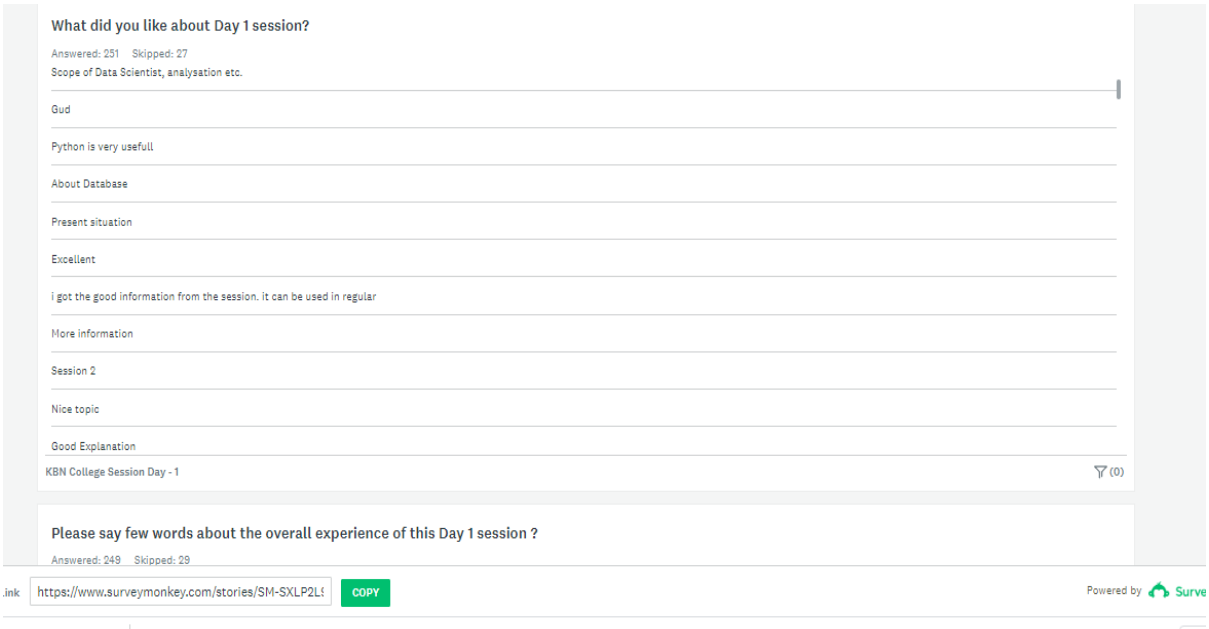
Keynote Speaker Mr. G. Srinivas, Joint Secretary, UGC SERO addressing the participants in the webinar

Screenshots of Keynote Speaker PPT



Feedback from Participants of Day – I





UGC Sponsored Two Day National Webinar on

"DATA SCIENCE USING PYTHON"

25th & 26th May, 2020

Organized by: Department of Computer Science & Applications

Day - I - 25th May, 2020 - Report

Number of Participants: Varying from 450 to 500

The president of today session **Dr. V. Narayana Rao, Principal** has cordially welcomed the participants. He said that Data Science is the quiet significant topic in the present era. He congratulated the department for conducting the webinar on the burning topic that is Data Science. He assured the participants that it is going to be very informative for their carrier.

The keynote speaker of today's session was **Joint Secretary, UGC SERO, Mr. G. Srinivas**. He Congratulated the K.B.N College for organizing this Webinar. He spoke about Data Science and importance of Data Science. He also mentioned in his speech that Python is the best language for Data Science because its ease of use. He also appreciated the college and wished good luck with the Webinar.

Mr. N.R. Anantharamakrishnan, RAK Analytic Solution Pvt. Ltd., Bengaluru started the actual technical session. In his session discussed about the importance of data science.

Session-1:

He said that data is everywhere and there is a huge need for the data science. He said that there is a job scarcity in every field, but Data Scientists can be assured because there is much demand globally for Data Scientists. Python is the best language for the Data Interpretation. It is a simple and very easy to learn.

Data Scientists help in the business to make right and best decisions for the business. They provide Data driven business strategies using analytics in the business. Data Science can help in solving problems in the daily life. Like Fraud analysis and prevention. He also discussed that churn analytics, price optimization and risk analytics are also part of the data analysis which can be solved through Data Science.

Session-2:

In the second session Mr. Krishnan pondered on the topics like:

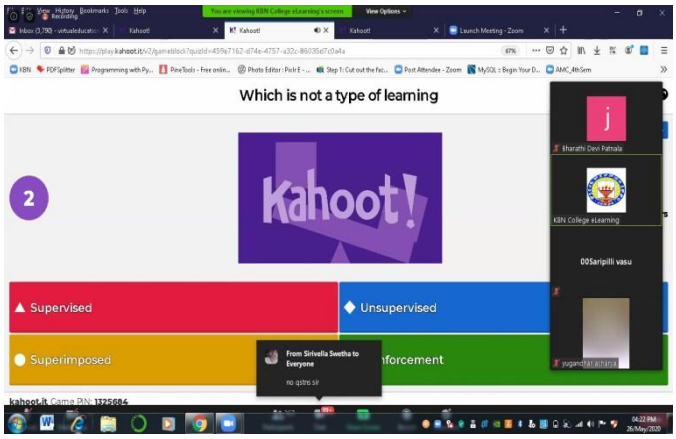
Roles of Data Scientists: Data Analyst, Data Architect, Data Engineer, Big Data Engineer etc. are the roles of Data Scientists.

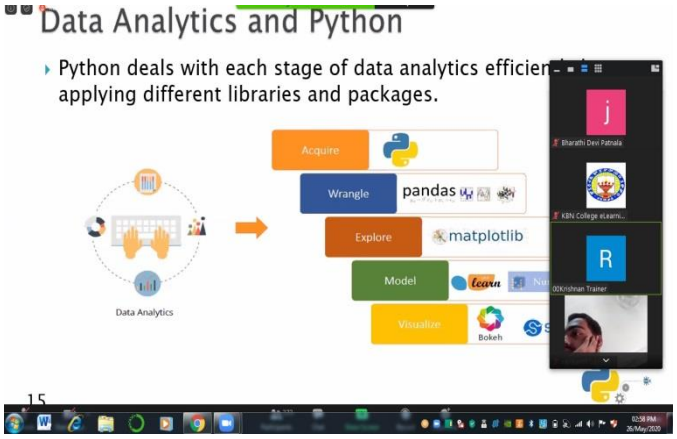
Key Areas of Data Science:

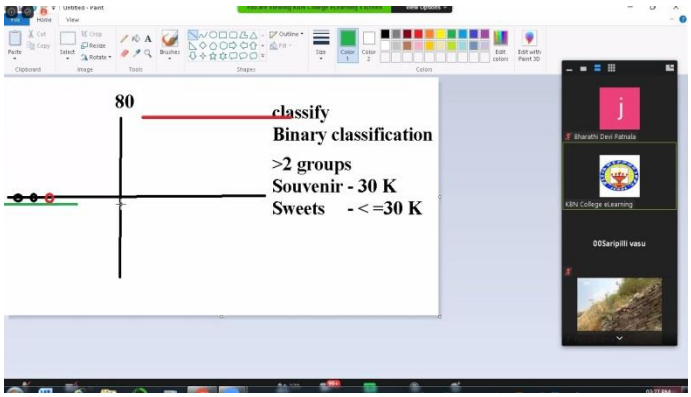
Social Media analytics, Web Analytics Supply Chain Analytics are the key areas.

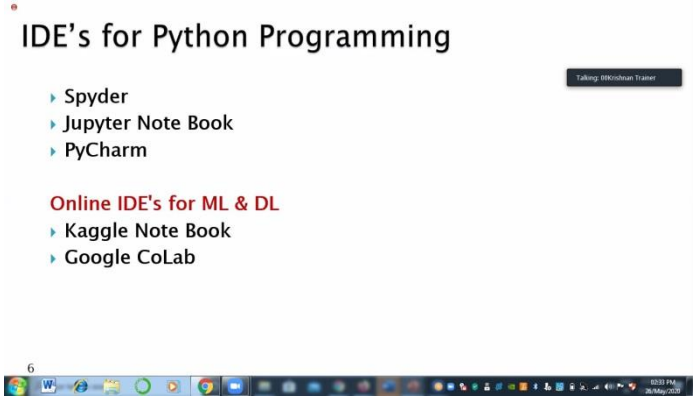
Skills needed for Data Science loke programming, Visualization, Machine Learning, etc. Python is a very accurate and appropriate language for data representation and anyone can learn python since it is a easy language. There is a need for every mentor to learn Data Science. Many universities are also adding Python in their Curriculum. Popular tools for Data Science: Python, R, SAS, Excel etc.

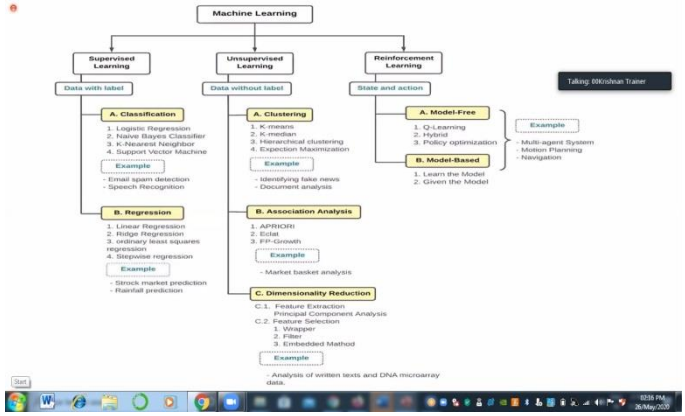
Day - II - 26th May, 2020

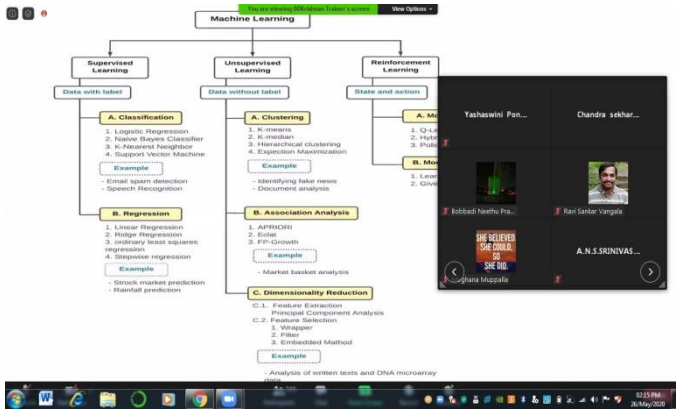


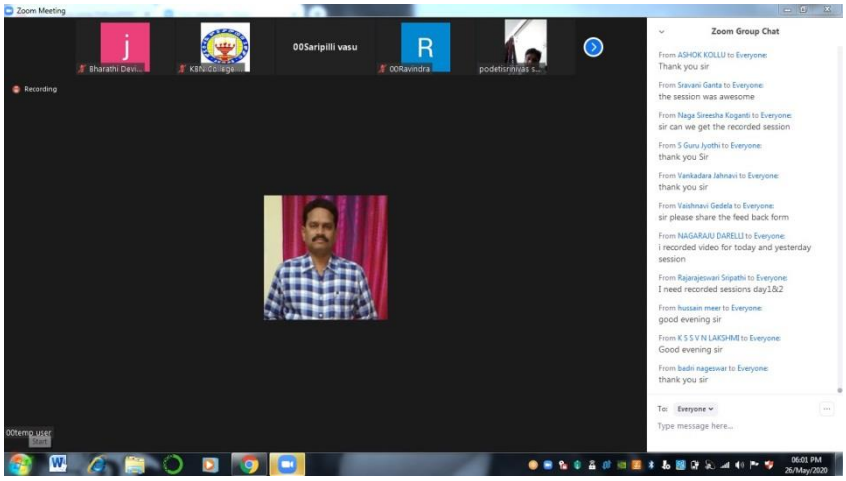




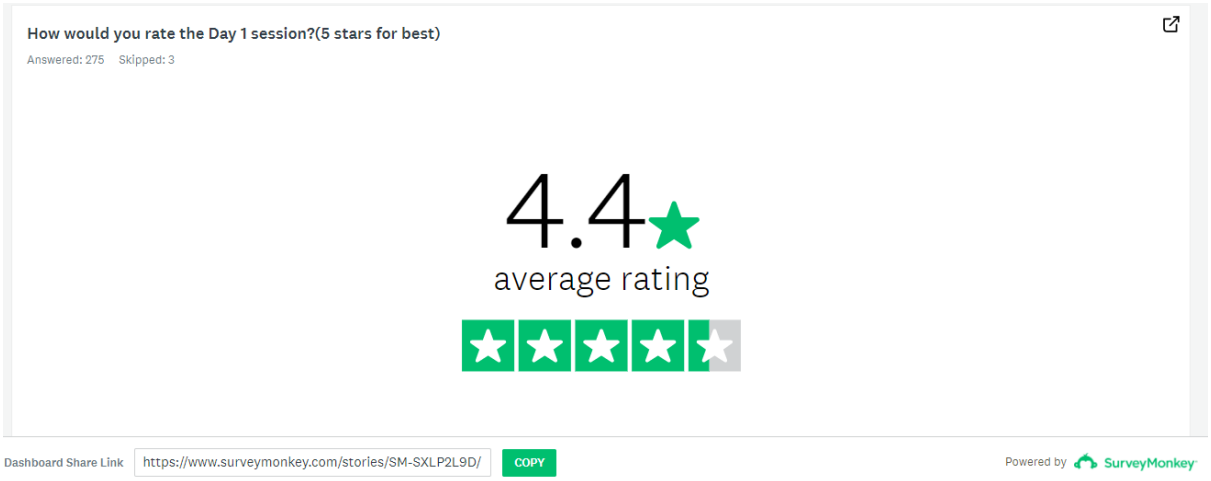


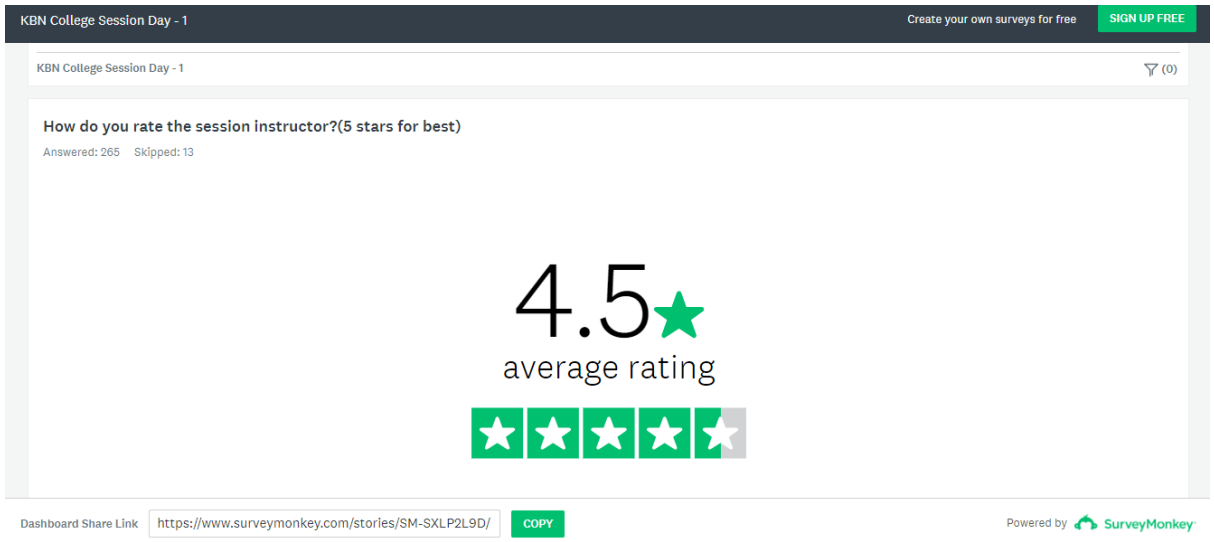


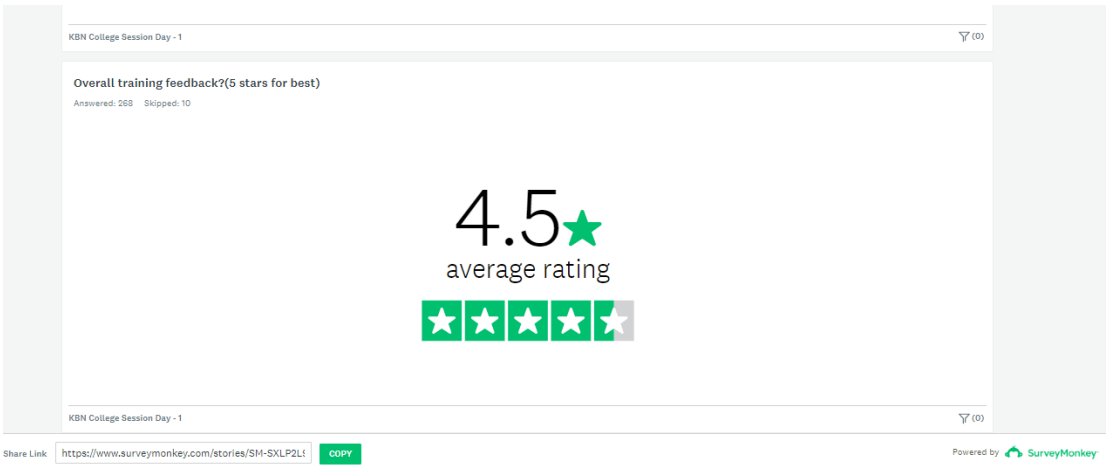


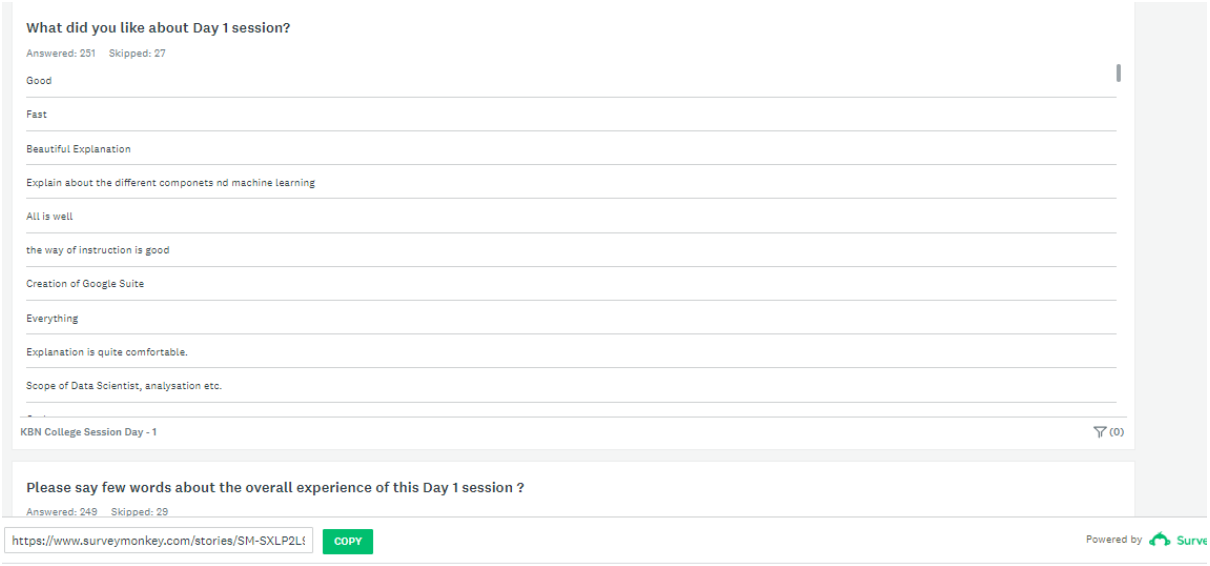


Screenshots of Feedback from participants









What did you like about Day 1 session?

Answered: 251 Skipped: 27

Good

Fast

Beautiful Explanation

Explain about the different componets nd machine learning

All is well

the way of instruction is good

Creation of Google Suite

Everything

Explanation is quite comfortable.

Scope of Data Scientist, analysation etc.

KBN College Session Day - 1

(0)

Please say few words about the overall experience of this Day 1 session ?

Answered: 249 Skipped: 29

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Day - II - 26th May, 2020 - Report

Number of Participants: Varying from 330 to 390

Mr. N.R. Anantharamakrishnan, RAK Analytic Solution Pvt.Ltd., Bengaluru started the actual technical session. In his session discussed about the importance of Artificial Intelligence and Machine Learning in today's world.

Session-1:

He said that Machine learning algorithms are divided in to three types supervised learning, unsupervised learning and Reinforcement learning.

He said Machine learning use cases includes Facebook, Amazon, Uber, Spotify, Airbnb, etc. Machine learning techniques are used in Email spam detection, Speech recognition, Identify fake news in what'sapp, market basket analysis, Rainfall prediction, Stock market prediction. He also given the Id's for Python Programming and Online Data Repositories like kaggle, GitHub and UCI repository.

He explained about classification problem which identifies discrete variables and regression is about identifying continuous variables. Data analytics with python is used for Data Acquiring, Data Wrangling, Data Exploring, Data Modelling and Data Visualizing. He also discussed about fitting the model, training dataset and test data set.

Session-2:

Session 2 started with an online quiz in Kahoot app about data science and machine learning. In the second session Kannarn explained about the data set titanic.csv which was available in Kaggle Repository.

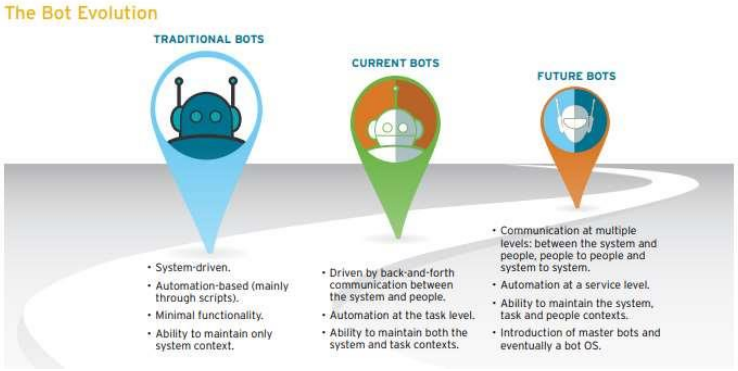
Titanic.csv data set contains the columns Survival, Pclass, name, age, ticket, fare, and embarked. Data Preparation process includes Looking for data, Finding Missing values, Removing outliers, Standardization, Identifying the training and test

data randomly select in the ratio of 70:30 respectively. Next Step is fitting the model like linear regression, model should contain both dependent and independent variables. Finally predict the result by passing the test data to our model and finally checks for accuracy.

Example model taken is Logistic Regression which is a Machine Learning classification algorithm that is used to predict the probability of categorical dependent variables, the data set imported is titanic.csv.

As part of Natural Language Processing in python demonstrated about chatbot which is an AI-based software designed to interact with humans in their natural languages. These chatbots are usually converse via auditory or textual methods, and they can effortlessly mimic human languages to communicate with human beings in a human-like manner.

A chatbot is arguably one of the best applications of natural language processing.



In order to successfully build a conversational engine, it should take care of the following things:

- Understand who is the target audience
- Understand the Natural Language of the communication.
- Understand the intent or desire of the user
- Provide responses that can answer the user

Words of Valedictory was given by the Vice Principal Mr. E.Vara Prasad, delivered warm words on two day National Webinar and appreciated for resounding success with huge number of participants.

BROCHURE

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Sri Tunuguntla Srinivasu

Secretary & Correspondent, SKPVV College Committee

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Dr. V. Narayana Rao

Principal

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Dr. P. Bharathi Devi

Head, Dept. of MCA & Co-ordinator, IQAC

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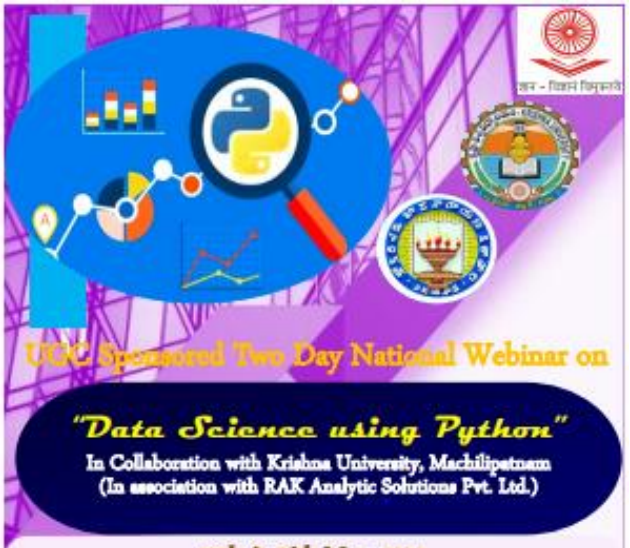

UGC Sponsored Two Day National Webinar on

"Data Science using Python"

In Collaboration with Krishna University, Machilipatnam

(In association with RAK Analytic Solutions Pvt. Ltd.)

25th & 26th May, 2020

Organised by

Dept. of Computer Science & Applications

ISO 9001:2015 NAAC 'A' GRADE

K.B.N. COLLEGE (AUTONOMOUS)

Sponsored by S.K.P.V.V. Hindu High Schools' Committee

Kothapeta, Vijayawada – 520001.

A College with Potential for Excellence (CPE)

All India 82nd Rank in NIRF by MHRD (2017)

About K.B.N:

Kakaraparti Bhavanarayana College is a vivacious outcome of a century old renowned charitable organization, S.K.P.V.V. Hindu High Schools Society with "Tejaswina Vadheethamasthu" as its motto. Since its inception in 1965, it marked an epoch in innovative education, in an academically and economically impoverished area. The college with heightened social imagination and ardent zeal, shone like a lodestar led innumerable students towards the goal of an illustrious life.

The ever vibrant college grew by leaps and bounds and has evolved with times. It has been adorned with the Autonomous status by the UGC in the year 2010, and received "Best Laboratory", "Best Academic Achievement", "Best Library", "Best NSS Unit" awards. The College has never rested on its laurels and has been relentlessly raising the bar. It is certified with ISO 9001-2015 which has been given for Quality Management Standard and accorded with CPE in 2016 by UGC .It has been reaccredited with "A" Grade by NAAC in 2019.

About the Department:

The Year 1992 is a landmark in the history of KBN college that witnessed the dawn of department of Computer Science. BCA course was introduced in the college during the academic year 1998-99 and M.Sc.(Computer Science) course is being run successfully since 2001. Short term Vocational Computer courses have been introduced by this Department in the year 2007 with the permission of Board of Intermediate Education, Andhra Pradesh and these extracurricular courses have become a recognizable feather in the cap of the Department. MCA program was started during the Academic year 2007-2008. Multimedia and Animation courses have been launched in the Academic Year 2010-11.

Topics to be covered in the webinar:

- Introduction to data science
- Skills needed for a data scientist
- Different Job roles (avatars) of a data scientist
- Typical responsibilities of a data scientist
- Real life applications
- Machine Learning Introduction
- Classification
- Regression analysis
- Clustering
- Distance Measures
- Recommendation systems
- Very high level overview of following topics
- Deep Learning
- NLP
- Chatbot

No Registration Fee

Note: Digital Certificates will be issued to those who have attended two days webinar

SESSION TIMINGS

25th & 26th May, 2020

Session I: 2 .00 P.M. To 3.30 P.M.

Session II: 4.00 P.M. To 5.30 P.M.

PROGRAMME SHEET

KAKARAPARTI BHAVANARAYANA COLLEGE(AUTONOMOUS)
(SPONSORED BY S.K.P.V.V. HINDU HIGH SCHOOLS)
KOTHAPET, VIJAYAWADA – 520 001.

TWO-DAY NATIONAL WEBINAR

ON

DATA SCIENCE USING PYTHON (NWDSP-2020)

In Collaboration with Krishna University, Machilipatnam
(In association with RAK Analytic Solutions Pvt. Ltd.)

PROGRAMME SHEET

(25TH AND 26TH -05-2020 @ 2:00 PM)

Welcome words :Ms.R.Jayamma

DETAILS OF SESSIONS: On 25th and 26th May 2020

Day-I **25/05/2020(Monday)**	
Time	**Details**
2.00P.M-2.05 P.M	**President's Address Dr.V.NarayanaRao, Principal**
2.05 P.M-2.15 P.M	Key Note address by **Prof. G. Srinivas**, JS, UGC,SERO
2.20 P.M -3.30 P.M	**SESSION I** **(In-charge of session: Ms.R.Jayamma)**
3.30 P.M-4.00 P.M	BREAK
4.00 P.M-5.30 P.M	**SESSION II** **(In-charge of session: Mr.M.V.R.Pavan Kumar)**
Day-II **26/05/2020(Tuesday)**	
2.00 P.M -3.30 P.M	**SESSION III** **(In-charge of Session: Mr.V.Suresh)**
3.30 P.M-4.00 P.M	BREAK
4.00 P.M-5.30 P.M	**SESSION IV** **(In-charge of Session: Mr. S. Vasu)**
5:30 PM	Valedictory by Sri E. Vara Prasad, Vice-Principal

INFORMATION OF THE WEBINAR

Sir/Madam,

Warm greetings from K.B.N. College.

I feel immense pleasure to announce that this college is going to organise **UGC Sponsored Two-Day National Webinar on "DATA SCIENCE USING PYTHON"** on **25th & 26th May, 2020** in collaboration with **Krishna University, Machilipatnam** and in association with **RAK Analytic Solutions Pvt. Ltd, Bangalore** In this connection, I request you to utilize the technical sessions of the webinar on the scheduled days. The detailed brochure is enclosed herewith for your kind perusal.

Note:

1. NO Registration Fee
2. Digital Certificate will be issued to those who have attended two days webinar

Registration Form Link:

https://forms.gle/krYvwc1ZwjzMJmt58

Thanks and regards

(Dr. V. NARAYANA RAO)
Principal-FAC