SARANATHANCOLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli-620012
(Approved By AICTE, New Delhi and Affiliated to Anna Univesity, Chennai)

CRITERION: 5.1.3

Capacity building and skills enhancement initiatives taken by the institution

ICT/Computing Skills

Academic Year

2020 – 2021

SARANATHAN COLLEGE OF ENGINEERING

VENKATESWARA NAGAR, PANJAPPUR, TIRUCHIRAPPALLI-620012
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA & IEI)

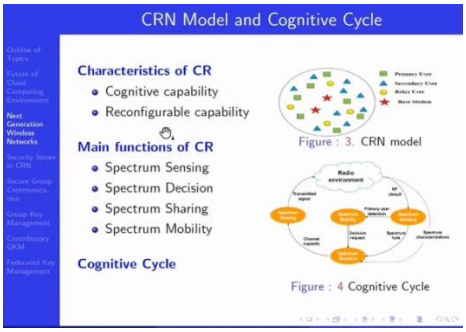
Webinar

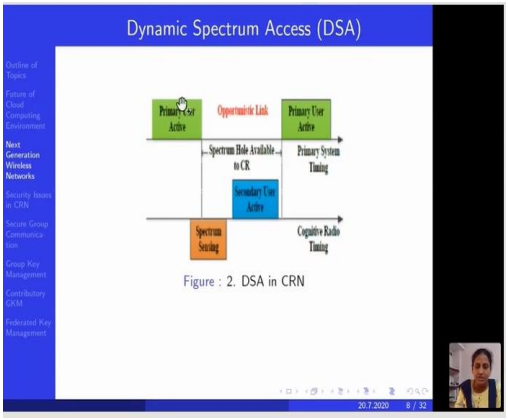
on

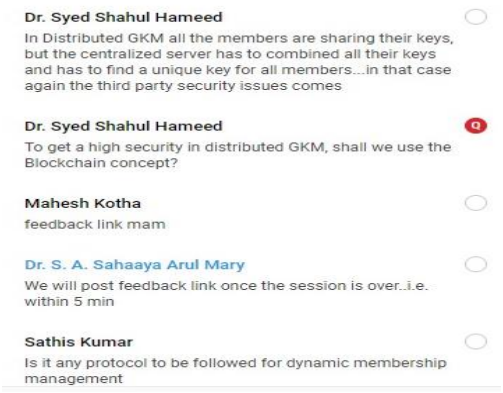
"Cognitive Cloud Computing"

The Department of CSE organized a Webinar on 20.07.2020 between 11.00 AM and 1.00 PM. The webinar was convened by Dr.S.A.Sahaaya Arul Mary, HoD/CSE and coordinated by Ms.V.Punitha , Dr.N.Kavitha and Ms.J.SathiaParkavi.

Dr. N. Renugadevi, Assistant Professor, Indian Institute of Information Technology, Trichy, presented a webinar session on **"Cognitive Cloud Computing"** to the webinar participants. The participants were students, faculty members, research scholars from colleges from different states in India. Totally 85 members have participated in this webinar and which in itself made this event a grand success. The main objective of this webinar was to impart in all participants the basics of cognitive cloud computing concepts and its field of application through various examples thus providing them with an opportunity to enhance their relevant skills and become strong in this technology. The Session started with the Introduction of Cognitive Cloud Computing and then explained how it has brought the power of next generation wireless networks to enterprises across the globe. She also covered about the Cryptographic Key Exchange and Encryption algorithms. Finally she took the participants on a virtual walk through the application areas of Cognitive Cloud Computing. Her clarifications of the various doubts raised by the participants made the session more interactive. She expressed her thanks to the Management, Principal Sir, HoD/CSE and faculty members for providing her this opportunity through this webinar to be among all these participants from various Institutions.







SARANATHAN COLLEGE OF ENGINEERING

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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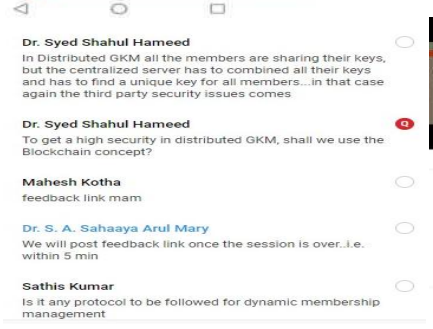
Webinar

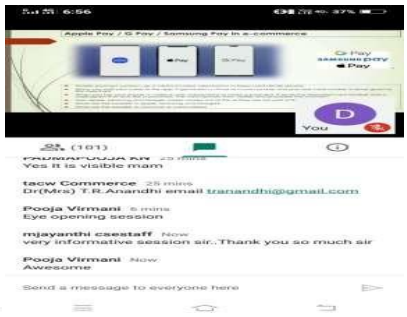
on

"Modern Computer Architecture"

The Department of CSE organized a Webinar on 17.07.2020 between 10.00 AM and 12.00 noon. The webinar was convened by Dr.S.A.Sahaaya Arul Mary, HoD/CSE and coordinated by Mr.M.Anbazhagan and Mr.D.BoobalaMuralitharan.

Dr.S.Tamilarasan,Professor/CSE, BITS Dubai campus presented a webinar session on **"Modern Computer Architecture"** to the webinar participants. The participants were students, faculty members, research scholars from colleges from different states in India. Totally 85 members have participated in this webinar and which in itself made this event a grand success. The main objective of this webinar was to impart in all participants the need of modern computer architecture in this era and how it is utilized by various organization and developers all over the world and its field of application through various examples thus providing them with an opportunity to enhance their relevant skills. The Session started with the Introduction of types of architecture present and then explained how each and every architecture evolved over time. His clarifications of the various doubts raised by the participants made the session more interactive. He expressed her thanks to the Management, Principal Sir, HoD/CSE and faculty members for providing her this opportunity through this webinar to be among all these participants from various Institutions.





SARANATHAN COLLEGE OF ENGINEERING, PANJAPPUR, TRICHY -12

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

WEBINAR SERIES (DURING COVID 19 LOCKDOWN PERIOD)

Title of the webinar	**INTRODUCTION TO TEXT MINING**
Resource Person details	**Mr.Xavier Babu, M.E.,M.B.A, (Ph.D)** Senior Director in a cloud-based Digital Marketing Technology at Publicis Groupe, Boston, MA, US 20+ years of experience in I.T. industry
Date of webinar	**16-July-2020**
Duration	**1 hour (4 – 5 pm IST)**
No. of participants attended	**87**(24 external participants +63 internal paticipants)
Medium of webinar	**Online through Google meet**

Minutes of the webinar

The resource person was introduced to the participants. The webinar started with the introductory topic of what is mining and terminologies used. Every day, we generate huge amounts of text online, creating vast quantities of data about what is happening in the world and what people think. All of this text data act as an invaluable resource that can be mined in order to generate meaningful business insights for analysts and organizations.

But analysing all of this content isn't easy, since converting text produced by people into structured information to analyse with a machine is a complex task. In recent years though, Natural Language Processing and Text Mining has become a lot more accessible to data scientists, analysts, and developers alike.

There is a massive amount of resources, code libraries, services, and APIs out there which can all help one embark on one's first NLP project. The speaker started from scratch by showing how to build a corpus of language data and how to analyse this text.

The process is to be divided into 3 steps. Each of these steps will do two things: show a core task that will get one familiar with NLP basics, and also introduce one to some common APIs and code libraries for each of the tasks. The tasks that are selected are:

1.Building a corpus — using Tweepy to gather sample text data from Twitter's API.

2.Analyzing text — analyzing the sentiment of a piece of text with our own SDK.

3.Visualizing results — how to use Pandas and matplotlib to see the results of one's work was a topic that was briefly covered. A demonstration of python code was executed which gave an insight into the topic of the webinar.

The webinar concluded by outlining research possibilities in the area of text mining. A feedback from the participants was also received on-line.

SARANATHAN
College of Engineering

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NH 45 B, Venkateswara Nagar, Panjappur, Thiruchirappalli-12
Phone No.: 8489915204 Web : www.saranathan.ac.in

Department of
Computer Science and Engineering

Accredited by National Board of Accreditation (NBA) & Institution of Engineers India (IEI)

Who

Xavier Babu

Senior Director of Development

Publicis Groupe, Boston, MA, USA.

What

Webinar

on

Introduction to Text Mining

When

Jul 2020

16

16:00 – 17:00 (IST)

Where

Microsoft Teams Meeting

Meeting ID will be Shared with registered participants

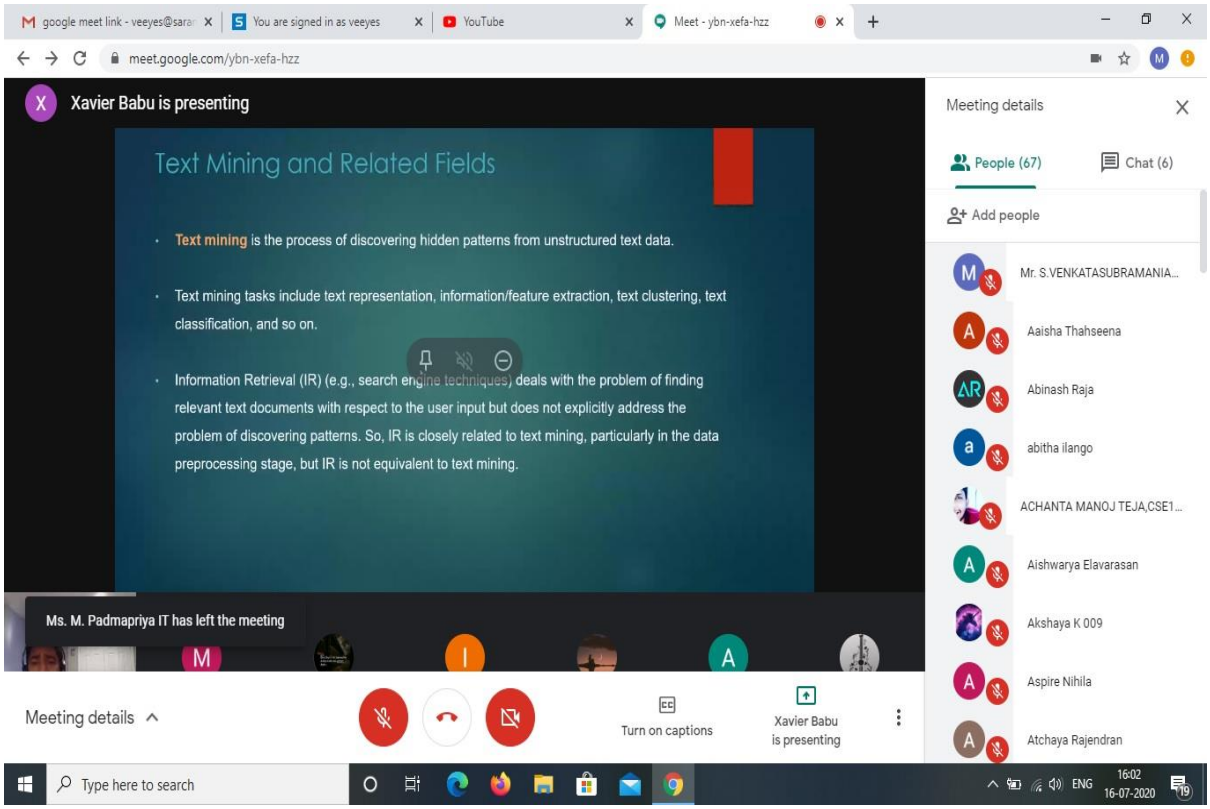
How to register

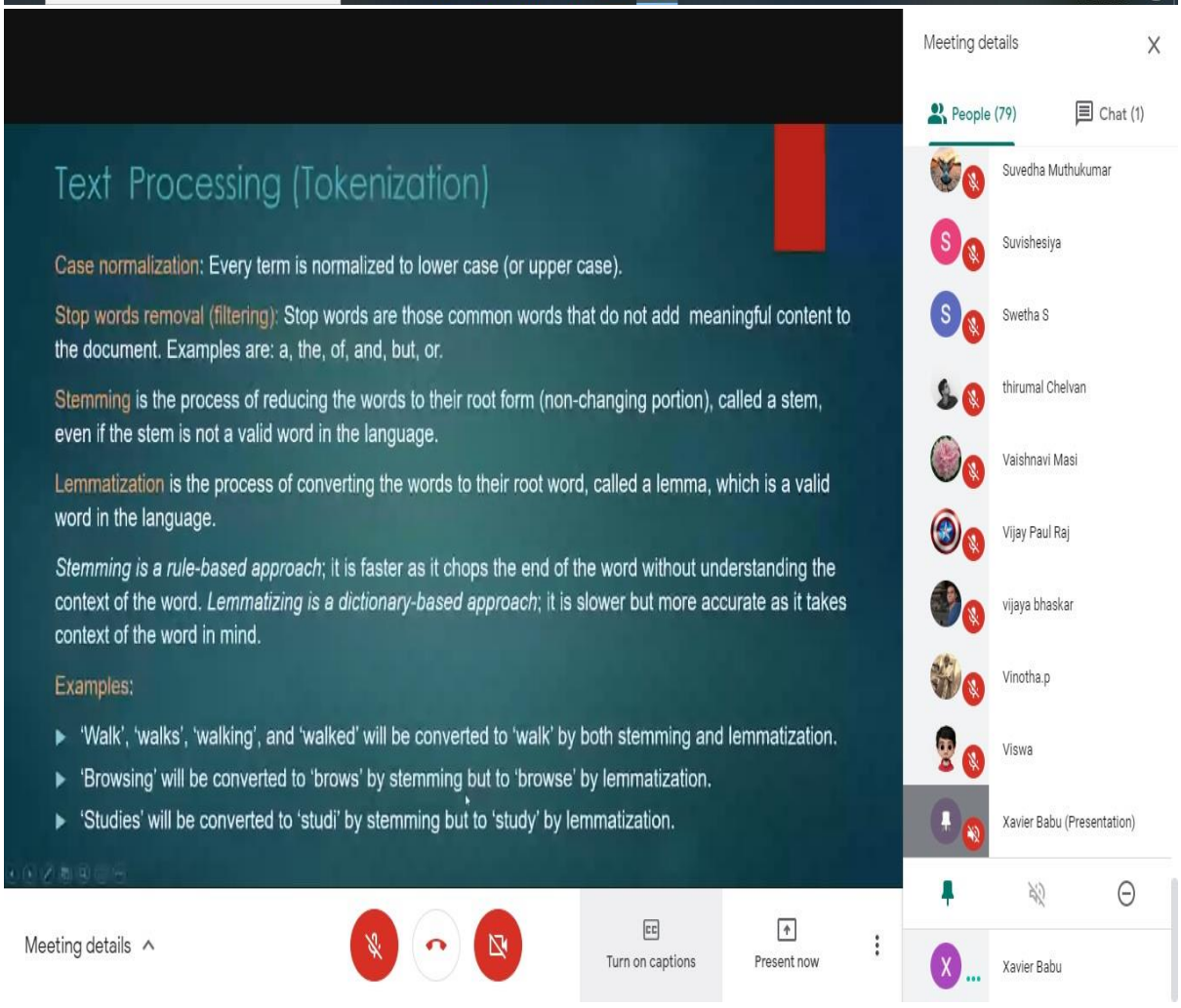
forms.gle/XMwwYCexNPjqHZHT7

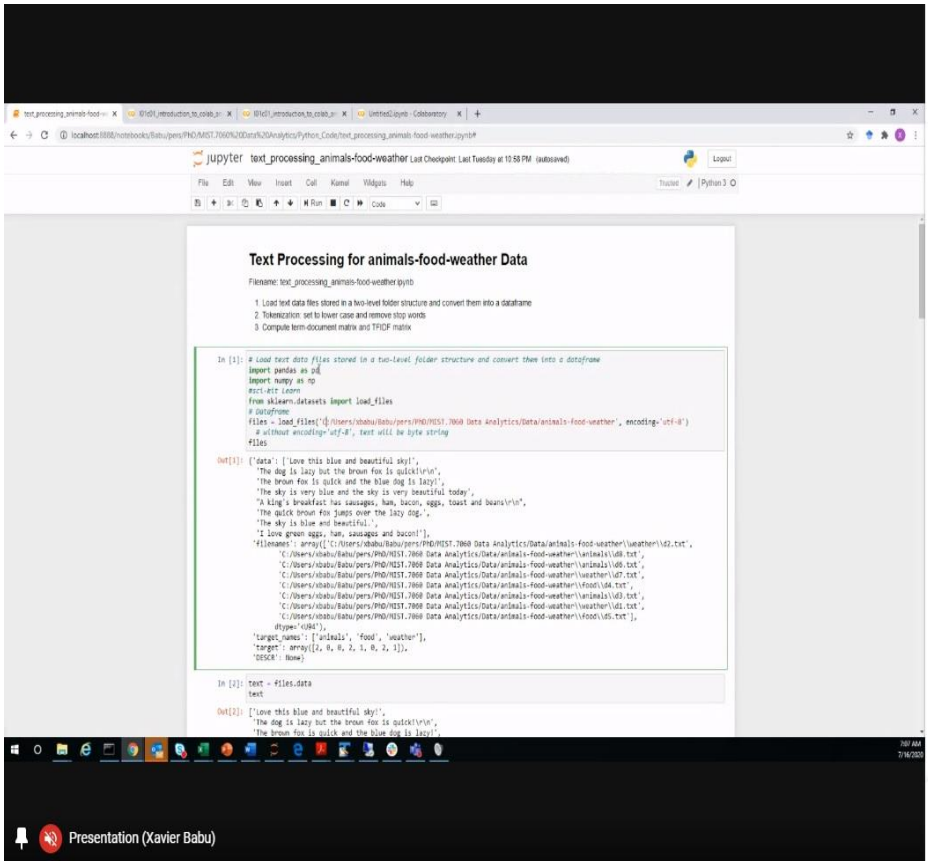
Participation Certificate will be issued to all participants

No Registration Fee

Mr. S. Venkatasubramanian	Dr. S.A. Sahaaya Arul Mary	Dr. D. Valavan	Shri. S. Ravindran
Convenor	HOD / CSE	Principal	Secretary


Xavier Babu is presenting
Text Mining and Related Fields
Text mining is the process of discovering hidden patterns from unstructured text data.
Text mining tasks include text representation, information/feature extraction, text clustering, text classification, and so on.
Information Retrieval (IR) (e.g., search engine techniques) deals with the problem of finding relevant text documents with respect to the user input but does not explicitly address the problem of discovering patterns. So, IR is closely related to text mining, particularly in the data preprocessing stage, but IR is not equivalent to text mining.
Ms. M. Padmapriya IT has left the meeting
Meeting details
People (67)
Chat (6)
Add people
Mr. S.VENKATASUBRAMANIA...
Aaisha Thahseena
Abinash Raja
abitha ilango
ACHANTA MANOJ TEJA,CSE1...
Aishwarya Elavarasan
Akshaya K 009
Aspire Nihila
Atchaya Rajendran
Meeting details
Turn on captions
Xavier Babu is presenting
Type here to search
ENG
16-02
16-07-2020


Text Processing (Tokenization)
Case normalization: Every term is normalized to lower case (or upper case).
Stop words removal (filtering): Stop words are those common words that do not add meaningful content to the document. Examples are: a, the, of, and, but, or.
Stemming is the process of reducing the words to their root form (non-changing portion), called a stem, even if the stem is not a valid word in the language.
Lemmatization is the process of converting the words to their root word, called a lemma, which is a valid word in the language.
Stemming is a rule-based approach; it is faster as it chops the end of the word without understanding the context of the word. Lemmatizing is a dictionary-based approach; it is slower but more accurate as it takes context of the word in mind.
Examples:
'Walk', 'walks', 'walking', and 'walked' will be converted to 'walk' by both stemming and lemmatization.
'Browsing' will be converted to 'brows' by stemming but to 'browse' by lemmatization.
'Studies' will be converted to 'studi' by stemming but to 'study' by lemmatization.
Meeting details
People (79)
Chat (1)
Suvedha Muthukumar
Suvishesiya
Swetha S
thirumal Chelvan
Vaishnavi Masi
Vijay Paul Raj
vijaya bhaskar
Vinotha.p
Viswa
Xavier Babu (Presentation)
Xavier Babu
Meeting details
Turn on captions
Present now



Meeting details

People (86) Chat

M Anbazhagan 4:29 PM
Is topic modelling a kind of tet mining?

You 4:34 PM
yes

M.Anitha Anu 4:34 PM
Yes Sir

M Anbazhagan 4:34 PM
yes sir

You 4:34 PM
zoom slightly

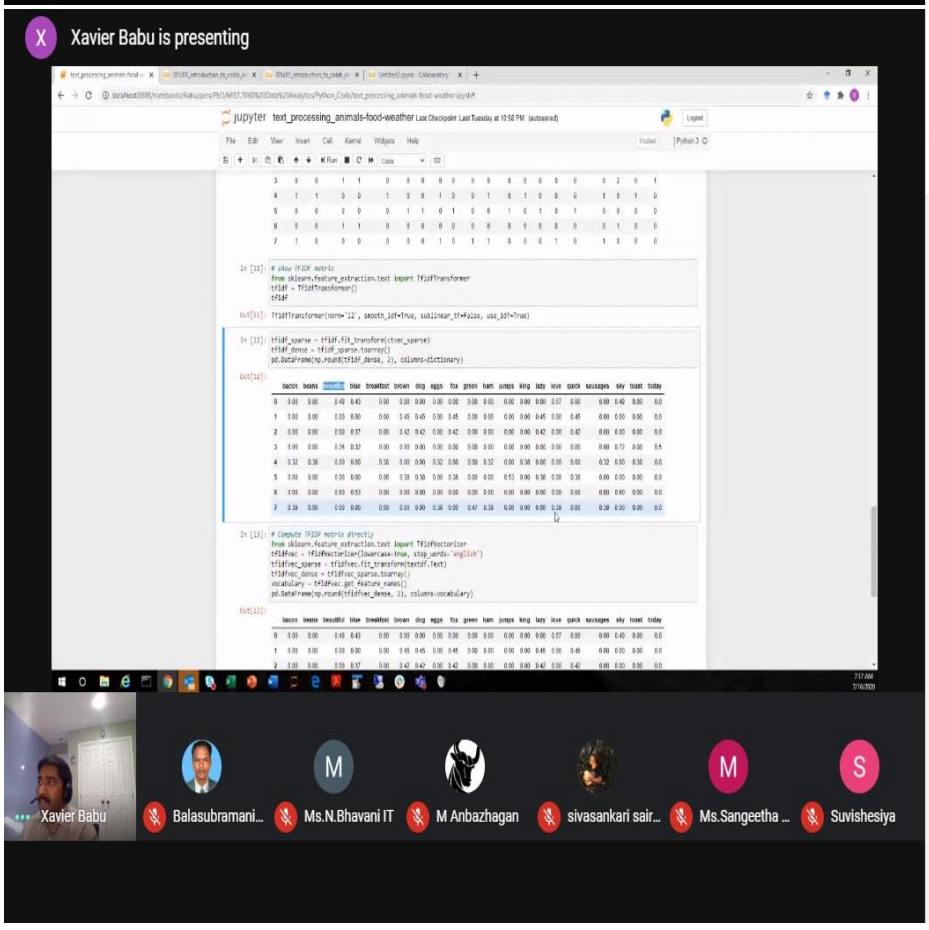
Ms.Sangeetha Priya IT Depart 4:34 PM
s sir

VIJETHA DEV 4:36 PM
Yes sir

sheikh gouse 4:37 PM
Your screen is not sharing

Vibek Jyoti Roy 4:37 PM
No screen sharing

Send a message to everyone

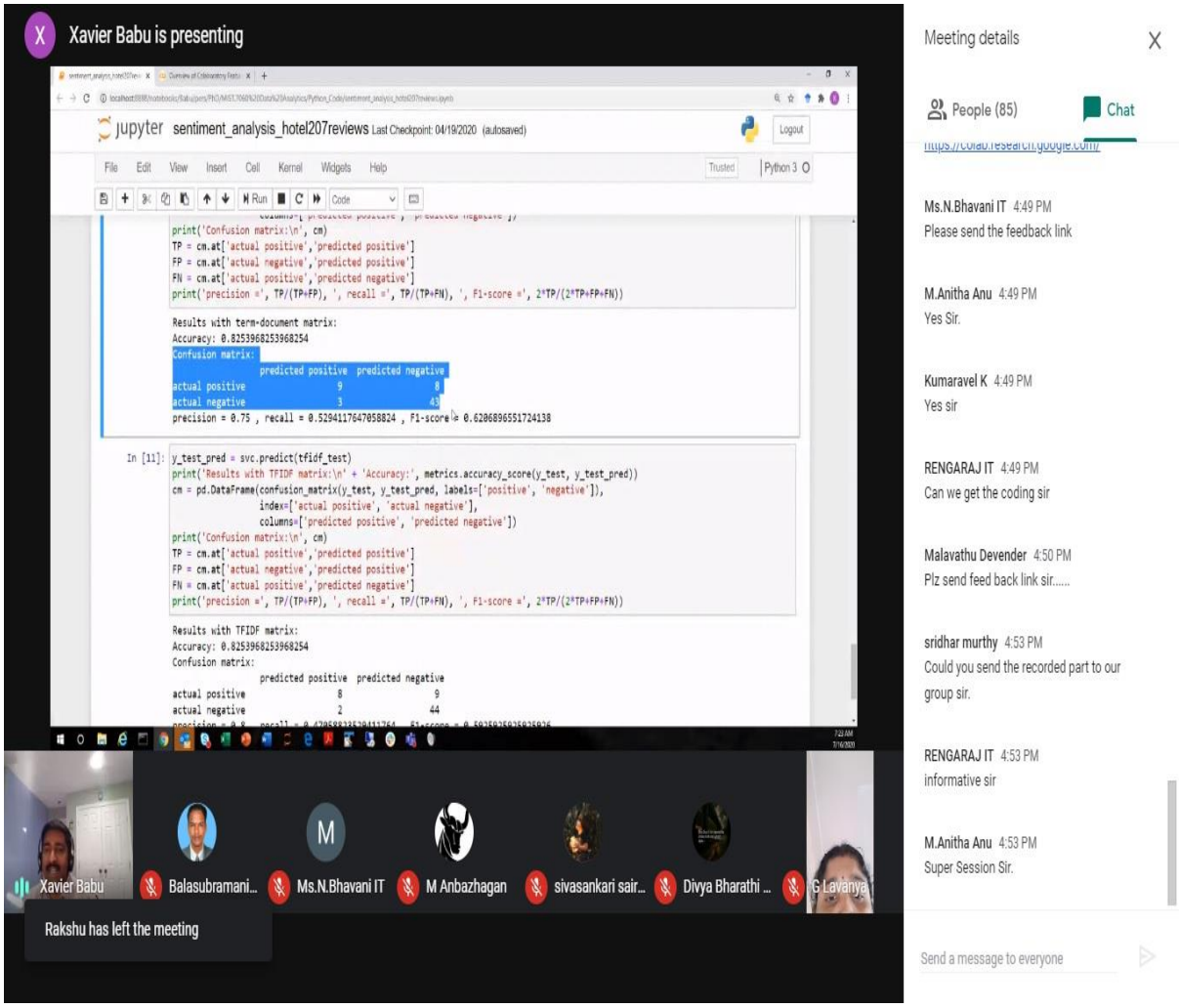


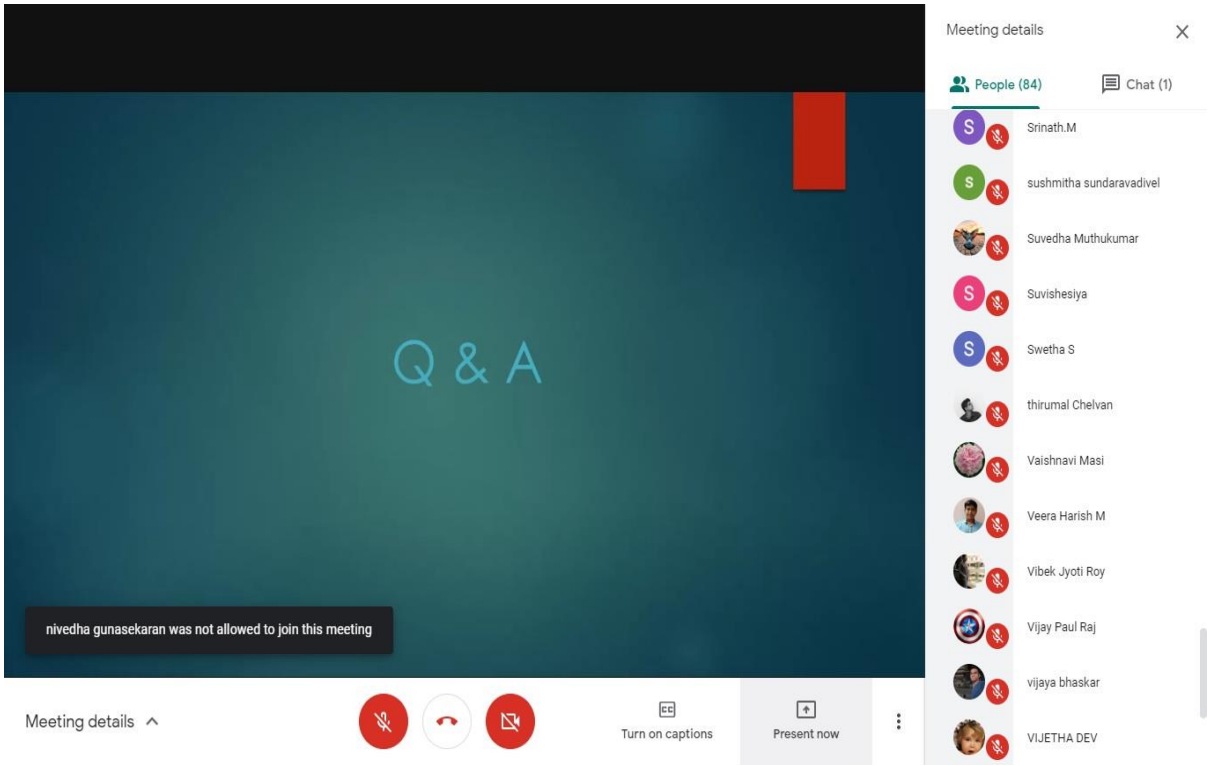
Meeting details

People (87) Chat

Add people

Mr. S.VENKATASUBRAMANIA...
A RAVINDRA REDDY,CSE18 Vel...
Aaisha Thahseena
Abinash Raja
abitha ilango
ACHANTA MANOJ TEJA,CSE1...
Aishwarya Elavarasan
Akshaya K 009
Aspire Nihila
Atchaya Rajendran
Balasubramanian Murugan


Xavier Babu is presenting
jupyter sentiment_analysis_hotel207reviews Last Checkpoint: 04/19/2020 (autosaved)
Logout
File Edit View Insert Cell Kernel Widgets Help
Trusted
Python 3
Run
Code
print('Confusion matrix:\n', cm)
TP = cm.at['actual positive','predicted positive']
FP = cm.at['actual negative','predicted positive']
FN = cm.at['actual positive','predicted negative']
print('precision =', TP/(TP+FP), ', recall =', TP/(TP+FN), ', F1-score =', 2*TP/(2*TP+FP+FN))
Results with term-document matrix:
Accuracy: 0.8253968253968254
Confusion matrix:
predicted positive predicted negative
actual positive 9 8
actual negative 3 43
precision = 0.75 , recall = 0.5294117647058824 , F1-score = 0.6206896551724138
In [11]:
y_test_pred = svc.predict(tfidf_test)
print('Results with TFIDF matrix:\n' + 'Accuracy:', metrics.accuracy_score(y_test, y_test_pred))
cm = pd.DataFrame(confusion_matrix(y_test, y_test_pred, labels=['positive', 'negative']),
index=['actual positive', 'actual negative'],
columns=['predicted positive', 'predicted negative'])
print('Confusion matrix:\n', cm)
TP = cm.at['actual positive','predicted positive']
FP = cm.at['actual negative','predicted positive']
FN = cm.at['actual positive','predicted negative']
print('precision =', TP/(TP+FP), ', recall =', TP/(TP+FN), ', F1-score =', 2*TP/(2*TP+FP+FN))
Results with TFIDF matrix:
Accuracy: 0.8253968253968254
Confusion matrix:
predicted positive predicted negative
actual positive 8 9
actual negative 2 44
Xavier Babu
Balasubramani...
Ms.N.Bhavani IT
M Anbazhagan
sivasankari sair...
Divya Bharathi ...
G Lavanya
Rakshu has left the meeting
Meeting details
People (85)
Chat
Ms.N.Bhavani IT 4:49 PM
Please send the feedback link
M.Anitha Anu 4:49 PM
Yes Sir.
Kumaravel K 4:49 PM
Yes sir
RENGARAJ IT 4:49 PM
Can we get the coding sir
Malavathu Devender 4:50 PM
Plz send feed back link sir.....
sridhar murthy 4:53 PM
Could you send the recorded part to our group sir.
RENGARAJ IT 4:53 PM
informative sir
M.Anitha Anu 4:53 PM
Super Session Sir.
Send a message to everyone


Q & A
nivedha gunasekaran was not allowed to join this meeting
Meeting details
Turn on captions
Present now
Meeting details
People (84)
Chat (1)
Srinath.M
sushmitha sundaravadivel
Suvedha Muthukumar
Suvishesiya
Swetha S
thirumal Chelvan
Vaishnavi Masi
Veera Harish M
Vibek Jyoti Roy
Vijay Paul Raj
vijaya bhaskar
VIJETHA DEV

SARANATHAN COLLEGE OF ENGINEERING

VENKATESWARA NAGAR, PANJAPPUR, TIRUCHIRAPPALLI-620012

Department of Computer science and Engineering

Report on International Webinar On Unveiling Unstructured Data

by

Dr.J.C.Miraclin Joyce Pamila,

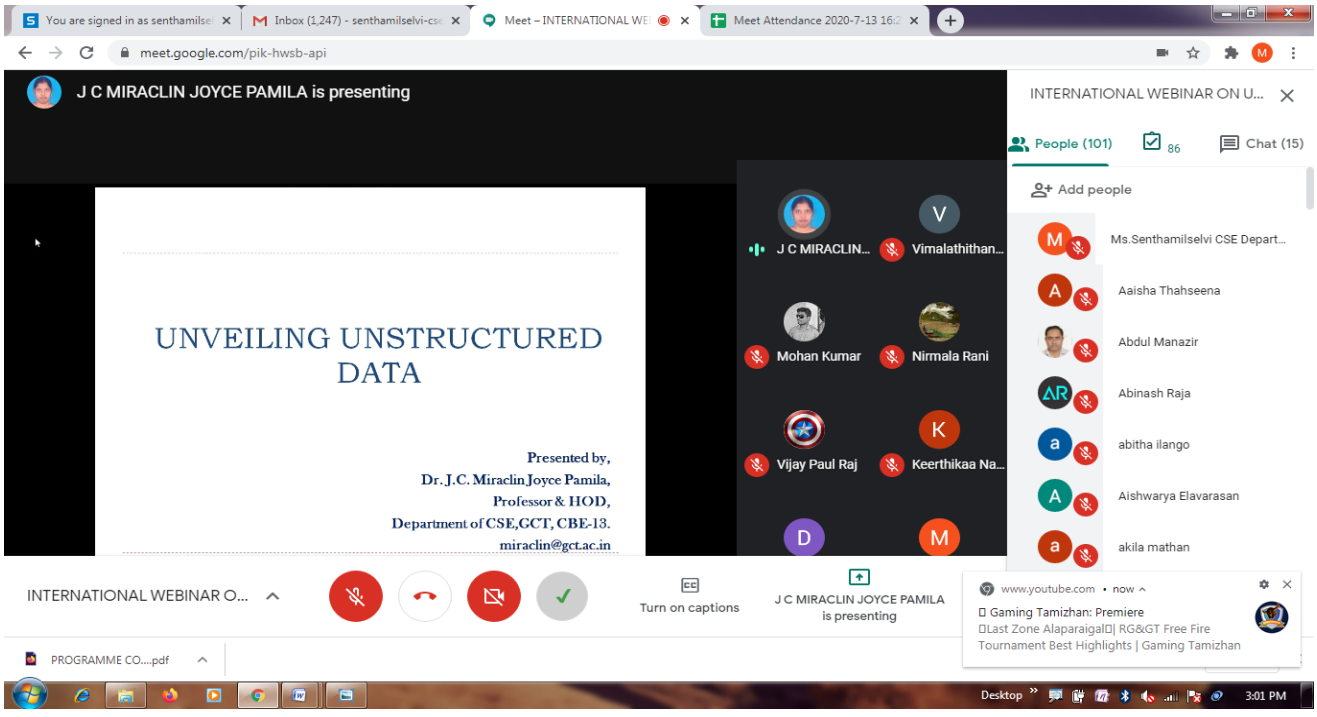
Professor & Head /CSE,

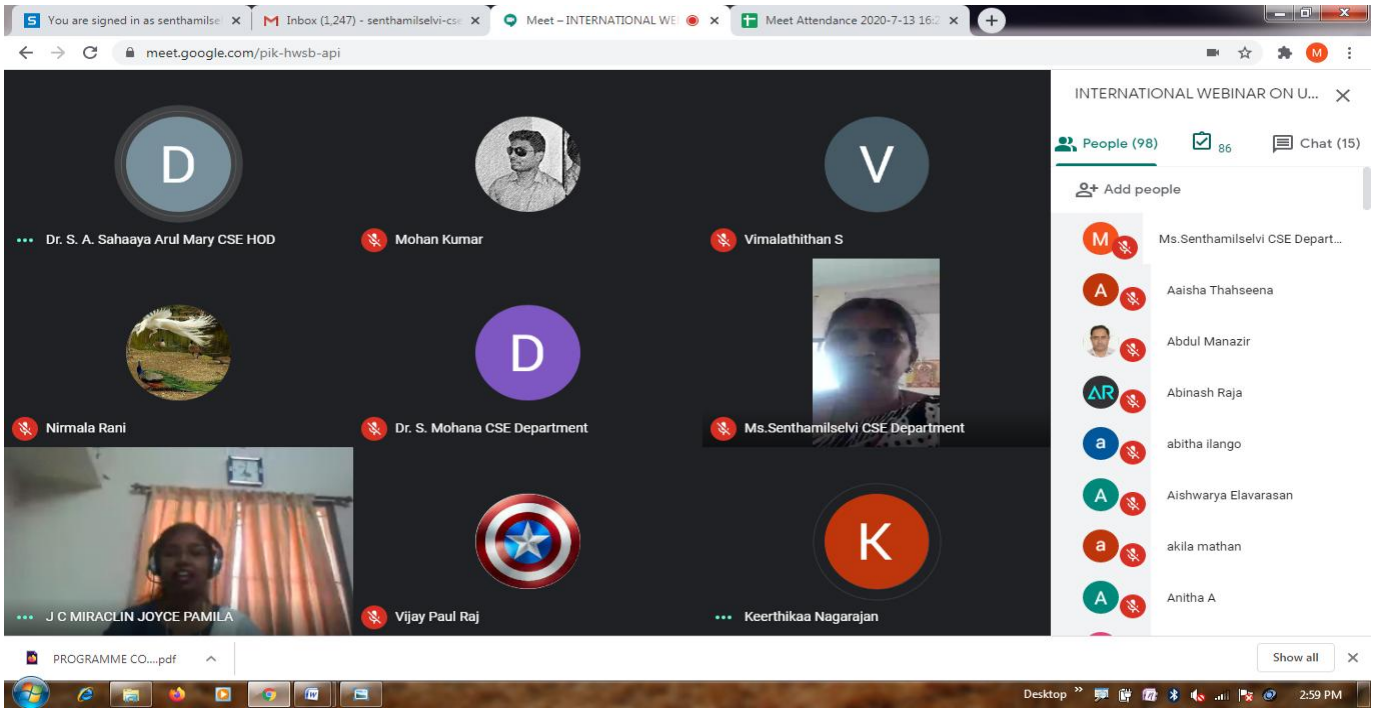
Government college of Technology,Coimbatore.

The Department of CSE conducted an International Webinar on 15.07.2020 between 3:00 p.m and 4:30 p.m. The webinar was convened by Dr.S.A.Sahaaya Arul Mary, HoD/CSE and coordinated by Dr.S.Mohana and Dr.R.Senthamil Selvi.

Dr.J.C.Miraclin Joyce Pamila, Professor & Head /CSE, Government college of Technology, Coimbatore, delivered a talk titled "Unveiling Unstructured Data." During the session she explained what unstructured data is and how to handle unstructured data which is coming from various kinds of external resources. She also explained the challenges that are faced when one deals with unstructured data in various domains. The session also covered usage of Natural Language tool kit for Natural language processing. She also explained NLTK platform for building python programs to work with human language data.

138 participants from various colleges attended the webinar and gave a positive feedback. Some participants raised their queries in the QA session at the end of the lecture. These doubts were cleared by Dr. J.C.Miraclin Joyce Pamila. Earlier Dr.S.A.Sahaaya Arul Mary welcomed the gathering and Dr.R.Senthamil Selvi concluded the meeting with a vote of thanks.




meet.google.com/pik-hwsb-api
INTERNATIONAL WEBINAR ON U...
People (98)
86
Chat (15)
Add people
Dr. S. A. Sahaaya Arul Mary CSE HOD
Mohan Kumar
Vimalathithan S
Nirmala Rani
Dr. S. Mohana CSE Department
Ms.Senthamilselvi CSE Department
J C MIRACLIN JOYCE PAMILA
Vijay Paul Raj
Keerthikaa Nagarajan
Ms.Senthamilselvi CSE Depart...
Aaisha Thahseena
Abdul Manazir
Abinash Raja
abitha ilango
Aishwarya Elavarasan
akila mathan
Anitha A
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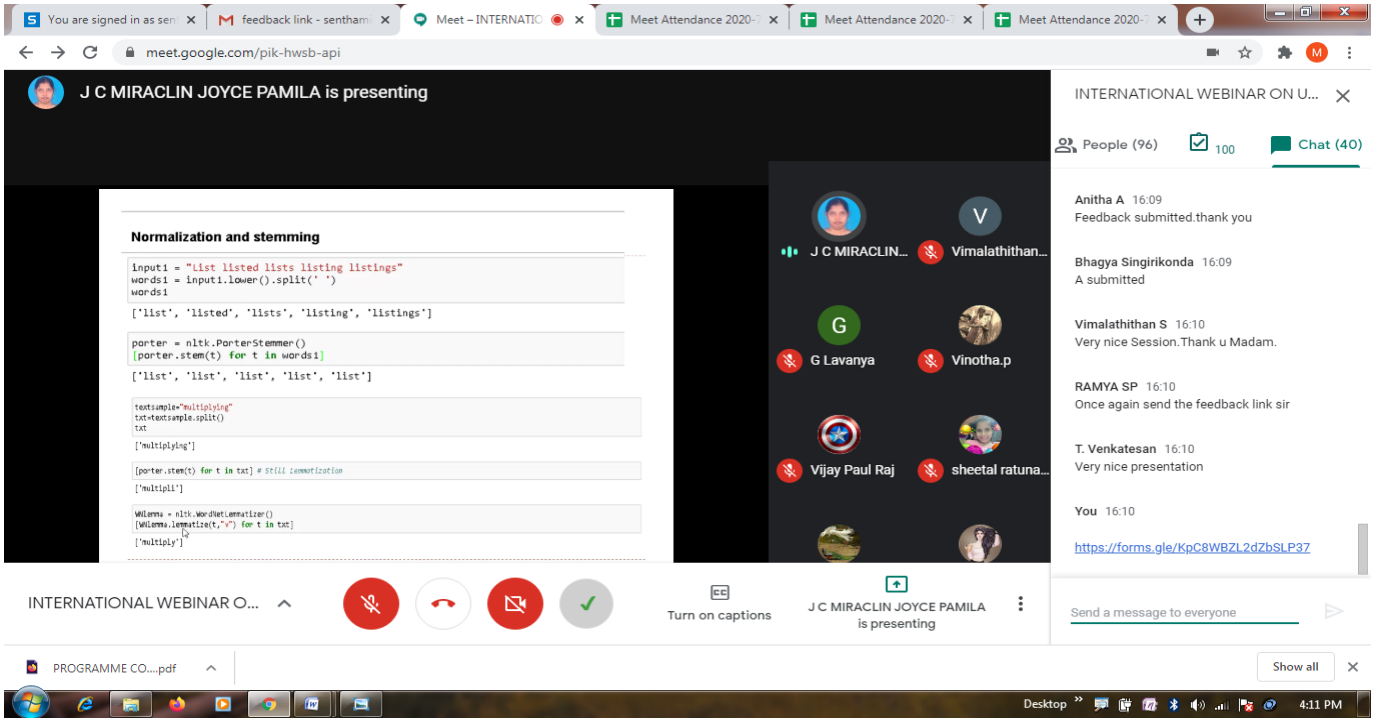
meet.google.com/pik-hwsb-api
J C MIRACLIN JOYCE PAMILA is presenting
Normalization and stemming
input1 = "List listed lists listing listings"
words1 = input1.lower().split(' ')
words1
['list', 'listed', 'lists', 'listing', 'listings']
porter = nltk.PorterStemmer()
[porter.stem(t) for t in words1]
['list', 'list', 'list', 'list', 'list']
['multiplying']
['multipli']
['multiply']
INTERNATIONAL WEBINAR ON U...
People (96)
100
Chat (40)
J C MIRACLIN...
Vimalathithan...
G Lavanya
Vinotha.p
Vijay Paul Raj
sheetal ratuna...
Anitha A 16:09
Feedback submitted.thank you
Bhagya Singirikonda 16:09
A submitted
Vimalathithan S 16:10
Very nice Session.Thank u Madam.
RAMYA SP 16:10
Once again send the feedback link sir
T. Venkatesan 16:10
Very nice presentation
You 16:10
https://forms.gle/KpC8WBZL2dZbSLP37
INTERNATIONAL WEBINAR O...
Turn on captions
J C MIRACLIN JOYCE PAMILA is presenting
Send a message to everyone
PROGRAMME CO....pdf
Show all
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4:11 PM

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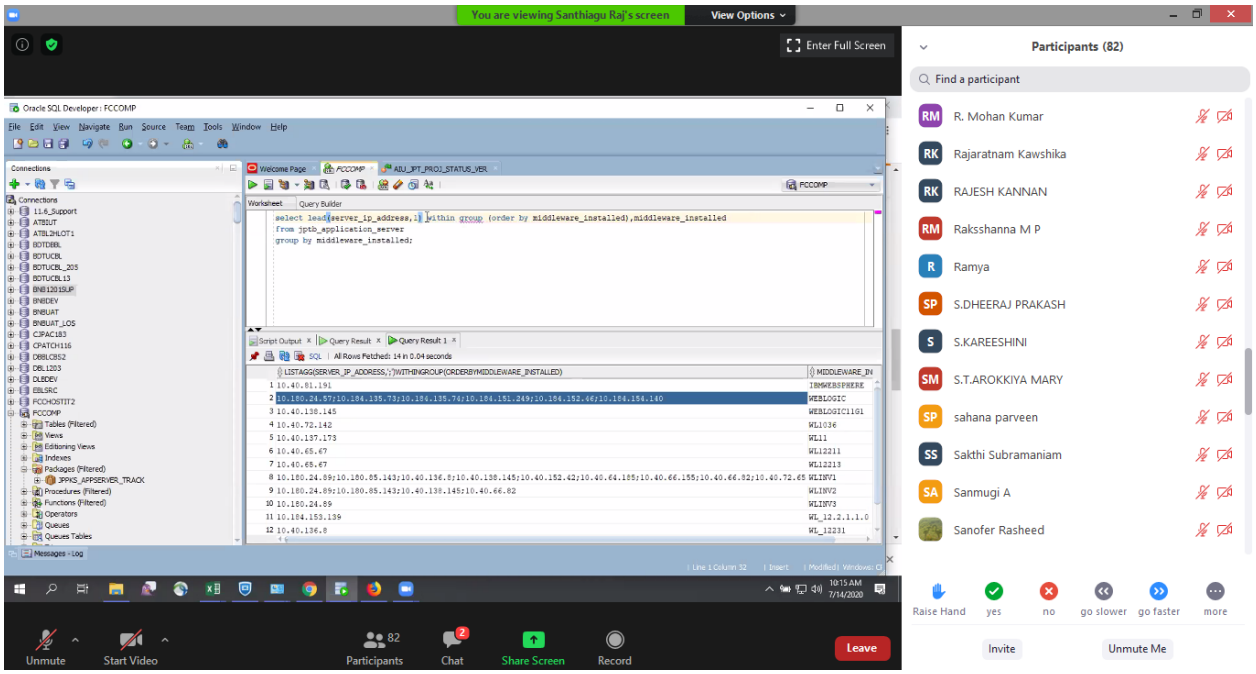
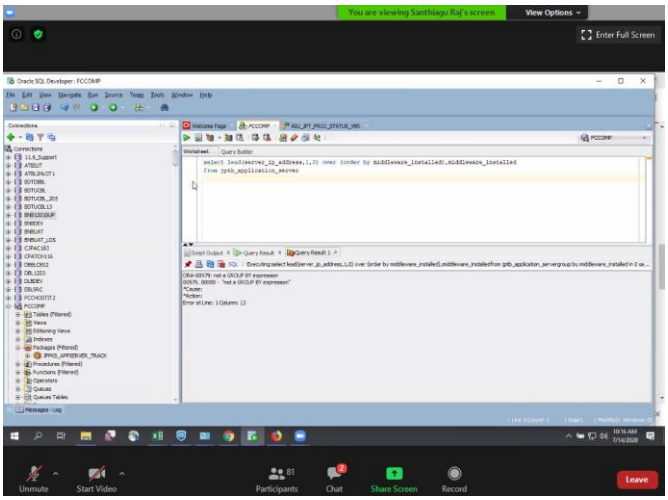
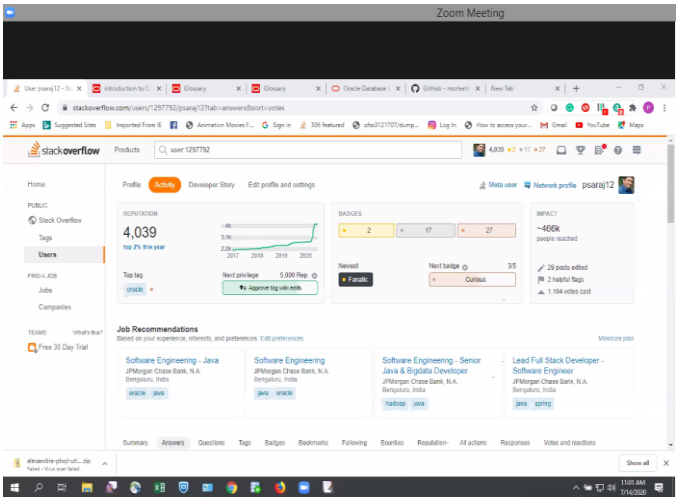
A Technical Webinar
on
"Dimensification of Data using DBMS"

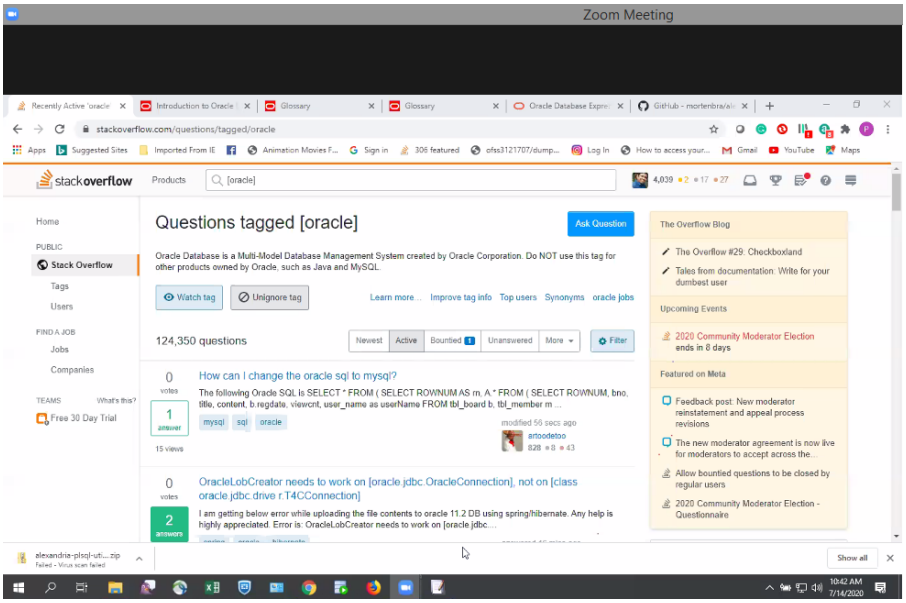
To help the students and faculty enhance their knowledge about Database Management System the Department of Computer Science and Engineering at Saranathan College of Engineering, Trichy organized on **14th July 2020**, Tuesday between **10.00 am** and **11.00 am** a technical webinar titled "**Dimensification of Data using DBMS**". **Mr. P. Santhiyagu Antony Raj**, Principal Consultant, Financial Oracle Services, Bengaluru presented the session to students, faculty members, research scholars from colleges from different states in India.

He demonstrated various Oracle developer tools and developed the database for a simple application. He also reinforced to the participants the importance of making use of the available free oracle tools. **110** participants participated in the event. The doubt clearing session at the end of the lecture was interactive and lively. Feedback and suggestions were collected from participants through Google Form.




You are viewing Santhiago Raj's screen
View Options
Enter Full Screen
Unmute
Start Video
Participants
Chat
Share Screen
Record
Leave


Zoom Meeting
stackoverflow
4,039
Job Recommendations


Zoom Meeting
stackoverflow.com/questions/tagged/oracle
Questions tagged [oracle]
Ask Question
124,350 questions
How can I change the oracle sql to mysql?
OracleLobCreator needs to work on [oracle.jdbc.OracleConnection], not on [class oracle.jdbc.driver.T4CConnection]

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(Accredited by NBA & IEI)

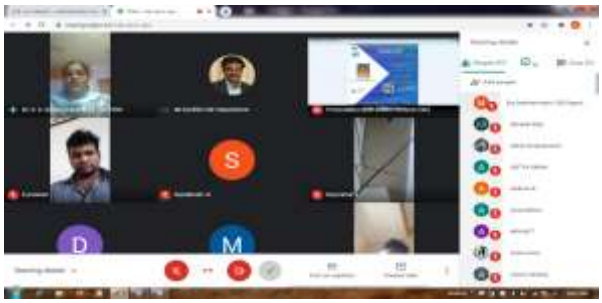
International webinar

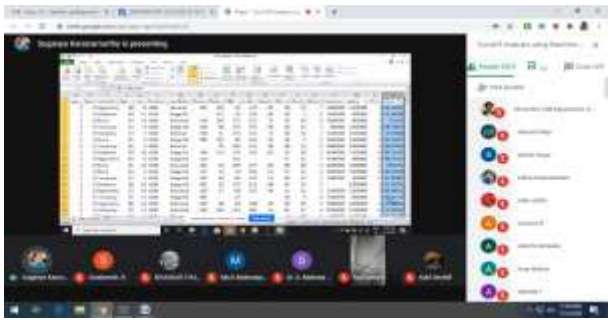
On

"Covid'19 Analysis using Machine Learning"

The Department of CSE organised an International Webinar on 14.07.2020 between 10.00 AM and 11.00 AM. The webinar was convened by Dr.S.A.Sahaaya Arul Mary, HoD/CSE and coordinated by Mr.P.B ArunPrasad , Mr.R.Karthik and Ms.K.Mohanappriya.

Dr. G. Suganya, Associate Professor, Department of Computer Science and Engineering, VIT University, Chennai and Assistant Director – S/W Development Cell presented a webinar session on **"COVID'19 - Analysis using Machine Learning"** to the webinar participants. The participants were students, faculty members, research scholars from colleges from different states in India. Totally 101 members have participated in this webinar and which in itself made this event a grand success. The main objective of this webinar was to impart in all participants the basics of machine learning concepts and provide hands-on experience in using covid '19 datasets thus providing them with an opportunity to enhance their relevant skills and become strong in this technology. The Session started with the Introduction of Machine learning and then on to a comparison between ML & Traditional programming. She went on into explaining the comparison between ML, DL & AI. She also covered about the packages available in python and taught how to explore in Jupyter Notebook. Finally she took the participants on a virtual walk through the analysis using ML methods and covid'19 dataset. Her clarifications of the various doubts raised by the participants made the session more interactive. She expressed her thanks to the management, Principal Sir, HoD/CSE and faculty members for providing her this opportunity through this webinar to be among all these participants from various Institutions.





SARANATHAN COLLEGE OF ENGINEERING

VENKATESWARA NAGAR, PANJAPPUR, TIRUCHIRAPPALLI-620012

Report on International Webinar on E-PAYMENTS: A View of Authorisation,Clearing and Settlement

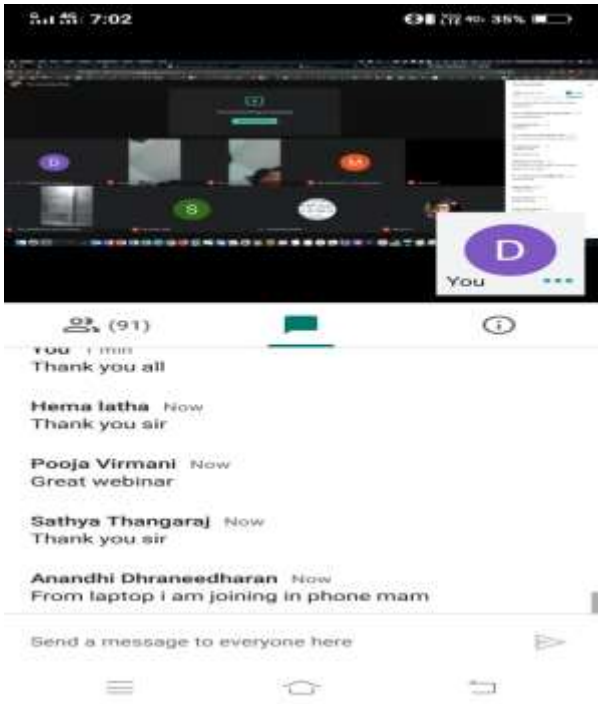
by

Mr.Sadheesh Radhakrishnan,
Payment cards SME, Worldspay/FIS,London,UK.

The Department of CSE conducted an International Webinar on 13.07.2020 between 6:00 p.m and 7:30 p.m. The webinar was convened by Dr.S.A.Sahaaya Arul Mary, HoD/CSE and coordinated by Dr.S.Mohana and Dr.R.Senthamil Selvi.

Mr.Sadheesh Radhakrishnan, Payment Cards SME,WorldPay/Fis,London-UK delivered a talk titled " e-payments: A view of Authorization, Clearing and Settlement." During the session he explained how an e-payment gets authorized, cleared and settled to a merchant. He also explained each step of the process involving an exchange of transaction data and money that must be settled and balanced. The session also covered various types of e-payments and how they differ in their business terms. He also covered the changes involved behind every card transaction that we are make in our everyday life.

128 participants from various colleges attended the webinar and gave a positive feedback. Some participants raised their queries in the QA session at the end of the lecture. These doubts were cleared by Mr Sadheesh. Earlier Dr.S.A.Sahaaya Arul Mary welcomed the gathering and Dr.R.Senthamil Selvi concluded the meeting with a vote of thanks.


7:02
You
(91)
Thank you all
Hema latha Now
Thank you sir
Pooja Virmani Now
Great webinar
Sathya Thangaraj Now
Thank you sir
Anandhi Dhraneedharan Now
From laptop i am joining in phone mam
Send a message to everyone here

6:56
Apple Pay / G Pay / Samsung Pay in e-commerce
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(101)
Yes It is visible mam
tacw Commerce 25 mins
Dr(Mrs) T.R.Anandhi email tranandhi@gmail.com
Pooja Virmani 6 mins
Eye opening session
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very informative session sir..Thank you so much sir
Pooja Virmani Now
Awesome
Send a message to everyone here

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPALLI - 620 012.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Accredited by NBA

Date: 01 /03/2021

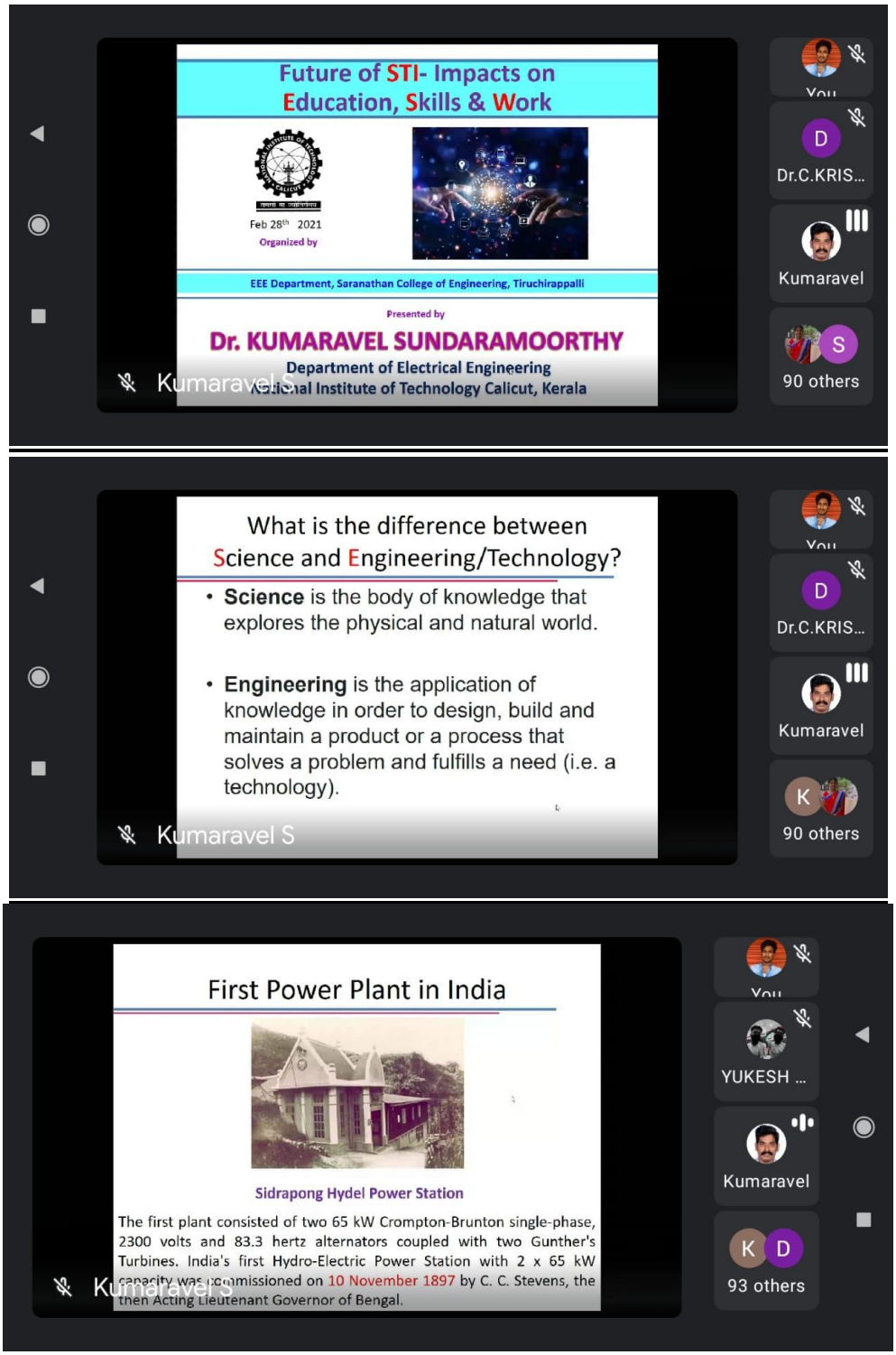
A brief report on an online webinar on "Advances in E-mobility systems" as part of National Science Day Celebration organized by department of EEE

It was planned and proposed to conduct online webinar on **"Advances in E-mobility system"** as part of National Science Day Celebration on 01.03.2021 (10.00AM-11.30AM).

The resource person for this online webinar was Dr.S.Kumaravel, working as Associate Professor in the Department of Electrical Engineering, National Institute of Technology Calicut, Kerala since December 2008. His major areas of research are design and development of DC-DC converters, stability enhancement of microgrid, solid state transformers, etc

The main objective of this online webinar is to inculcate the knowledge on the latest advancements and technical challenges in electric vehicles. Totally 93 students of Second year EEE have benefited by attending this online webinar

The resource person delivered the webinar on the evolution of electric vehicle, recent challenges and technological development in the field of E mobility systems. He also added few notes on smart micro grid



Glimpse of the online webinar on **"Advances in E-mobility systems"** as part of National Science Day Celebration on 01.03.2021

WEBINAR

www.saranathan.ac.in

SARANATHAN
COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University, Chennai)
Venkateswara Nagar, Panjappur, Tiruchirapalli - 620012

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING
(Accredited by NBA)

Organizes an Online Webinar on

Advances in E-Mobility Systems

for II Year EEE Students
as part of National Science Day celebrations

Resource Person

Dr. S. Kumaravel

Associate Professor
Department of EEE
NIT Calicut

01.03.2021
10 A.M

Join us at

wqy-kbyu-mtg

Dr.C.Krishnakumar
HoD / EEE

Dr.D.Valavan
Principal

Shri.S.Ravindran
Secretary