

SKCT DIGEST

Volume 16, Issue 17
21 May 2020

EDITOR - IN - CHIEF
Dr Srinivasan Alavandar
Principal

SUB EDITOR
Dr V Thiyagarajan, S&H

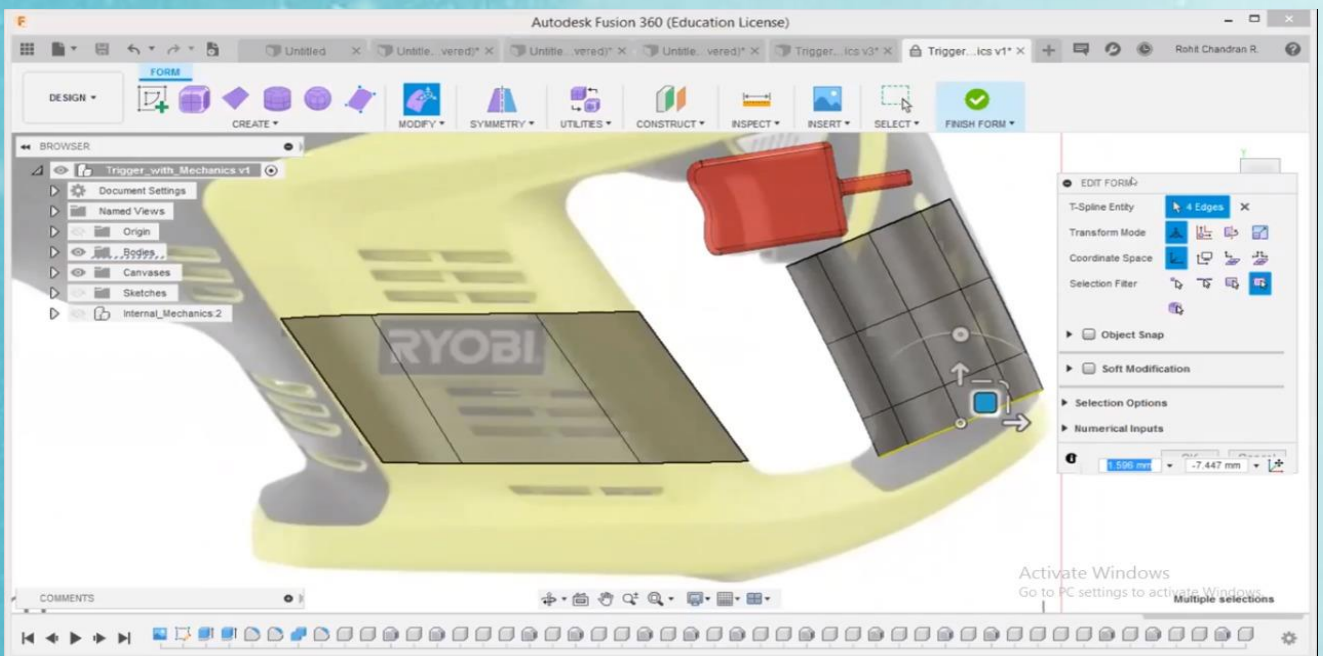
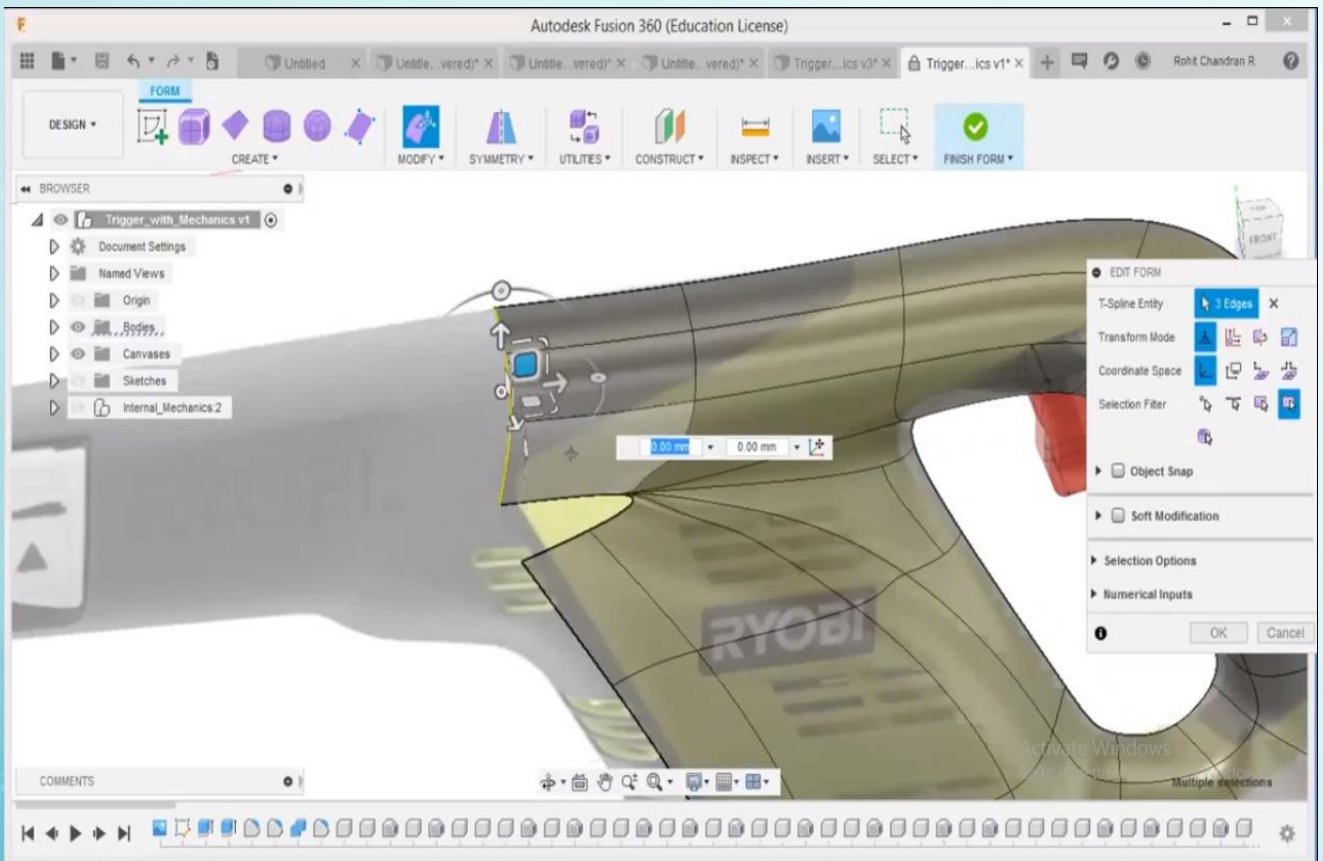
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Ms S Soundarya, CSE
Ms S Thenmozhi, ECE
Ms A Little Judy, EEE

INSIDE THE ISSUE

- **Webinars Organized**
- **Webinars Attended**
- **FDPs Attended**
- **Talk Series**
- **Students' Participation**
- **Faculty Participation**
- **Publications**



WEBINARS ORGANIZED



The Dept. of Mechanical Engineering organized a Webinar on “Autodesk Fusion 360” delivered by Auto Desk for the Second Year B.E. Mechanical Engineering students on 20 May 2020.

WEBINARS ATTENDED

Zoom Webinar | You are viewing Rajshekhar Pullabhatla's screen | View Options

Aanand Naidu

Recording LIVE on YouTube

OBJECTIVES

~25 to 30 Minutes

1. Overview of ISAC
2. Clean Exit | AICTE – ISAC Initiative
3. Hiring trends by companies
4. Ethical issues faced by companies
5. How Clean Exit helps
6. FAQs

Speaker/Headphone (Realtek High Definition A...)

71

15:07 20-05-2020

Zoom Webinar | Recording LIVE on YouTube | Enter Full Screen

Rajshekhar Pullabhatla

Zoom Webinar Chat

From Kar... to All panelists and attendees: 03:06 PM
Good afternoon to all.I am Assistant Professor Karan Kumar Das from Bharat Technology, West Bengal.

From Nik... to All panelists and attendees: 03:06 PM
Good Afternoon Everyone.
Nikhil Sharma
T and P officer, Bihmct,New Delhi

From Dr... to All panelists and attendees: 03:07 PM
Dr K,Dr K K Tapar vidyabharati college of Pharmacy Amravati. Principal. Very Good Afternoon to all.

From DE... to All panelists and attendees: 03:08 PM
YES
No Audio

From Riy... to All panelists and attendees: 03:08 PM
network problem

From Ne... to All panelists and attendees: 03:09 PM
sir,ur screeen is not visible

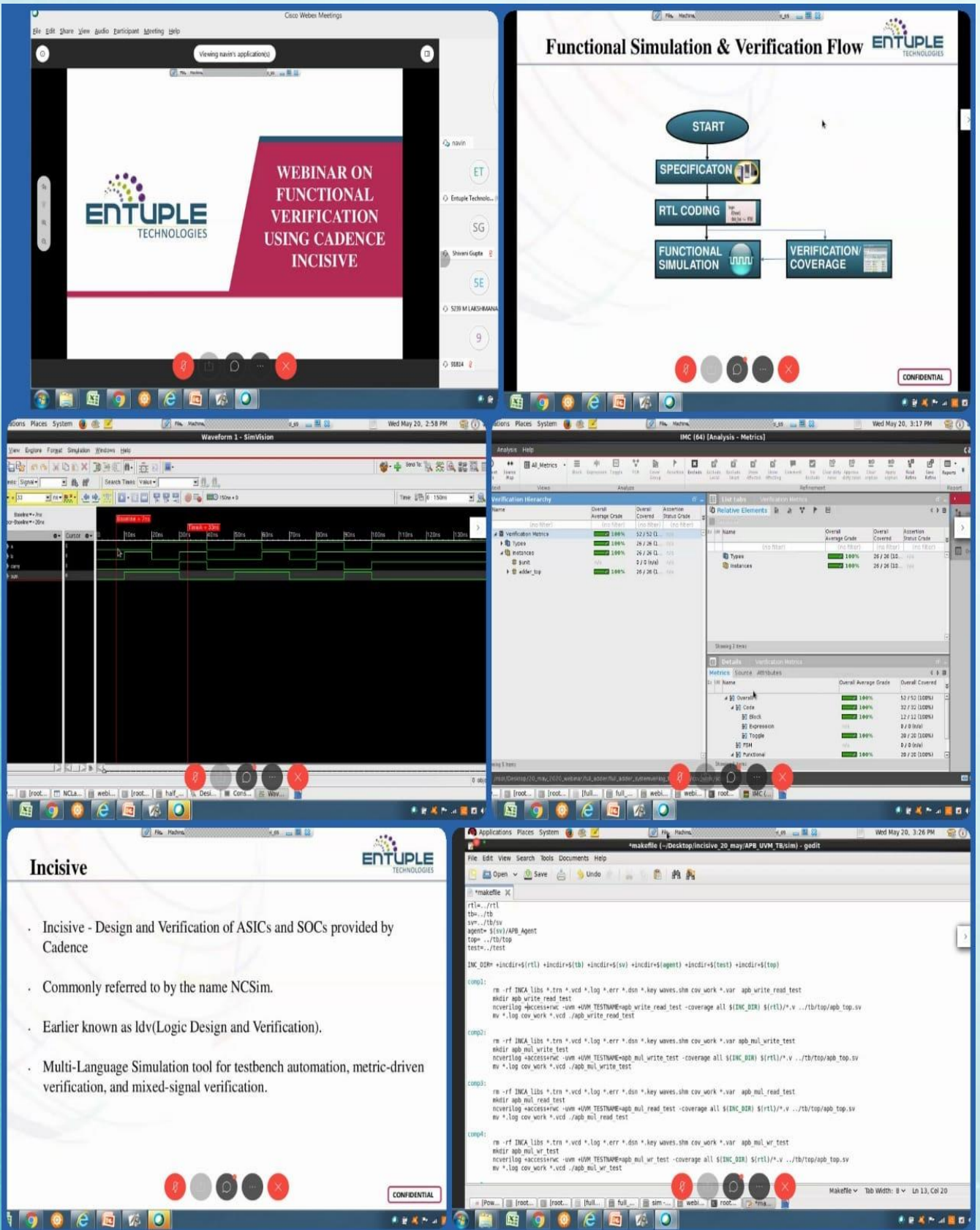
From Saurav Sanyal to All panelists and attendees:
Not audible

To: All panelists

Your text can only be seen by panelists

15:09 20-05-2020

Dr P Manju, Prof. & Head, Dept. of ICE attended a Webinar on “**Student Ethics - Clean Exit for Enhanced Placement and Internship Opportunities**” organised by AICTE - ISAC on 20 May 2020.



Mr M Navin Kumar, Asst. Professor, Dept. of ECE attended a Webinar on “**Functional Verification using CADENCE Incisive Tool - Verilog, System Verilog/UVM Based Verification**” organized by Entuple Technologies Pvt. Ltd., Bengaluru on 20.05.2020.

FDPs ATTENDED

Cisco Webex Training

Session Info: [Fdp_210520_...](#)

Participants: 3
Speaking: **Balwinder Singh**
Panelists: 3
- **Dr T Chinnadurai (me)**
- Brahmjit Singh
- Balwinder Singh
Attendees: 468 (No Privilege)

5G: The Next Revolution in Wireless Networks

Prof. Brahmjit Singh
ECE Department
National Institute of Technology Kurukshetra
brahmjit@nitkkr.ac.in

Full Screen 87% View

Session No. 912 865 532 | You are participating in the audio conference using your computer.

Type here to search

10:28 21-05-2020

Cisco Webex Training

Session Info: [Fdp_210520_...](#)

Participants: 3
Speaking: **Brahmjit Singh**
Panelists: 3
- **Dr T Chinnadurai (me)**
- Brahmjit Singh
- Balwinder Singh
Attendees: 510 (No Privilege)

Smart phone in our life

- Smart phone users~ 400 million projected to 700 million by 2022
- Data usage per smart phone per month in India
- **9.8 GB: The highest in the world**
- Number of apps installed in India in the first quarter of 2019
- **4.5 bn: The highest in the world**
- Number of days in a year an Indian spends on the phone
- **75 days**
- Percentage of Indians for whom the phone is the last thing they see before bed and first when they wake up
- **78%**

Full Screen 87% View

Session No. 912 865 532 | You are participating in the audio conference using your computer.

Type here to search

10:39 21-05-2020

Dr T Chinnadurai, Asso. Professor, Dept. of ICE attended the fourth day of the Faculty Development Programme on “**Technical Interventions using Wireless Communications**” coordinated by AICTE / ATAL on 21 May 2020.



**SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)**

Sree Sainath Nagar, Tirupati – 517 102



One Week Faculty Development Programme

On

"ICT TOOLS"

(in association with STP - IIT Bombay)

11th - 16th May, 2020

Certificate of Merit

This is to certify that **Mr. Rajesh R** has successfully completed One Week Faculty Development program on **"ICT TOOLS"** in association with STP - IIT Bombay, during 11th - 16th May, 2020 with score **83%** organized by the Department of Information Technology, Sree Vidyanikethan Engineering College, Tirupati.


Coordinator


Convenor


HoD


Principal



**SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)**

Sree Sainath Nagar, Tirupati – 517 102



One Week Faculty Development Programme

On

"ICT TOOLS"

(in association with STP - IIT Bombay)

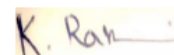
11th - 16th May, 2020

Certificate of Participation

This is to certify that **Mr. Rajesh R** of Sri Krishna College of Technology, Coimbatore has participated in One Week Faculty Development program on **"ICT TOOLS"** in association with STP - IIT Bombay, during 11th - 16th May, 2020 organized by the Department of Information Technology, Sree Vidyanikethan Engineering College, Tirupati.


Coordinator


Convenor


HoD


Principal

Mr R Rajesh, Asst. Professor, Dept. of ICE, completed the one-week Faculty Development Programme on **"ICT Tools"** organised by Sree Vidyanikethan Engineering College, Tirupati and IIT, Bombay, during 11 - 16 May 2020 with a score of 83%.



DATA SCALABILITY USING DASK LIBRARY

Gagan Deep

Founder & Director

Resource Person & Speaker

Rozy Computech Services, Kurukshetra

9416094600(whatsapp), rozygag@yahoo.com

Facebook, twitter : rozygag

Participants

Speaking:

- Panelists: 2
- fdp7 fdp7 (Host)
- Gagan Deep
- Attendees: 335 (No Privilege)
- Anantha Prabha (me)

Audio

Ms P Anantha Prabha, Asst. Professor, Dept. of CSE attended the fourth day of the five-day short-term course on “Data Analytics using Python” organised by NITTR, Chandigarh.

Session Info

Wireless Communication Networks: A Journey

Features	1G	2G/2.5G	3G	4G
Commercial launch	1983	1991(Finland) India:31.07.95	2001 India: 11.12.08 (MTNL) BSNL(2009)	2010 India: 10 Apr, 2012 (dongle)
Technology	Analog Cct. switching	Digital Cct. switching	Packet switching (IP)	IP based
Standards	AMPS, TACS, NMT	GSM/GPRS CDMA2000 IS-95	Family of standards: ITU: IMT-2000 UMTS, WCDMA	LTE, WIMAX
Applications	Voice only	Voice, text messaging 2.5G: data	Voice, data, video conferencing Web, Mobile TV	Voice, data, video, web, streaming, Integration, Interoperability Wireless mobile Internet
Bit rate	2.4 kbps	64 kbps	144 kbps-2 Mbps	100 Mbps-1 Gbps
Coverage	Macro cell	cell: macro	micro	micro & pico
Capacity	3 users/Ch	8 users/Ch	250 users/Ch

Participants

Speaking: Brahmjit Singh

- fdp3 fdp3 (Host)
- Brahmjit Singh
- Sakwinder Singh
- Attendees: 538 (No Privilege)
- M. DEVA PRIYA (me)

Audio

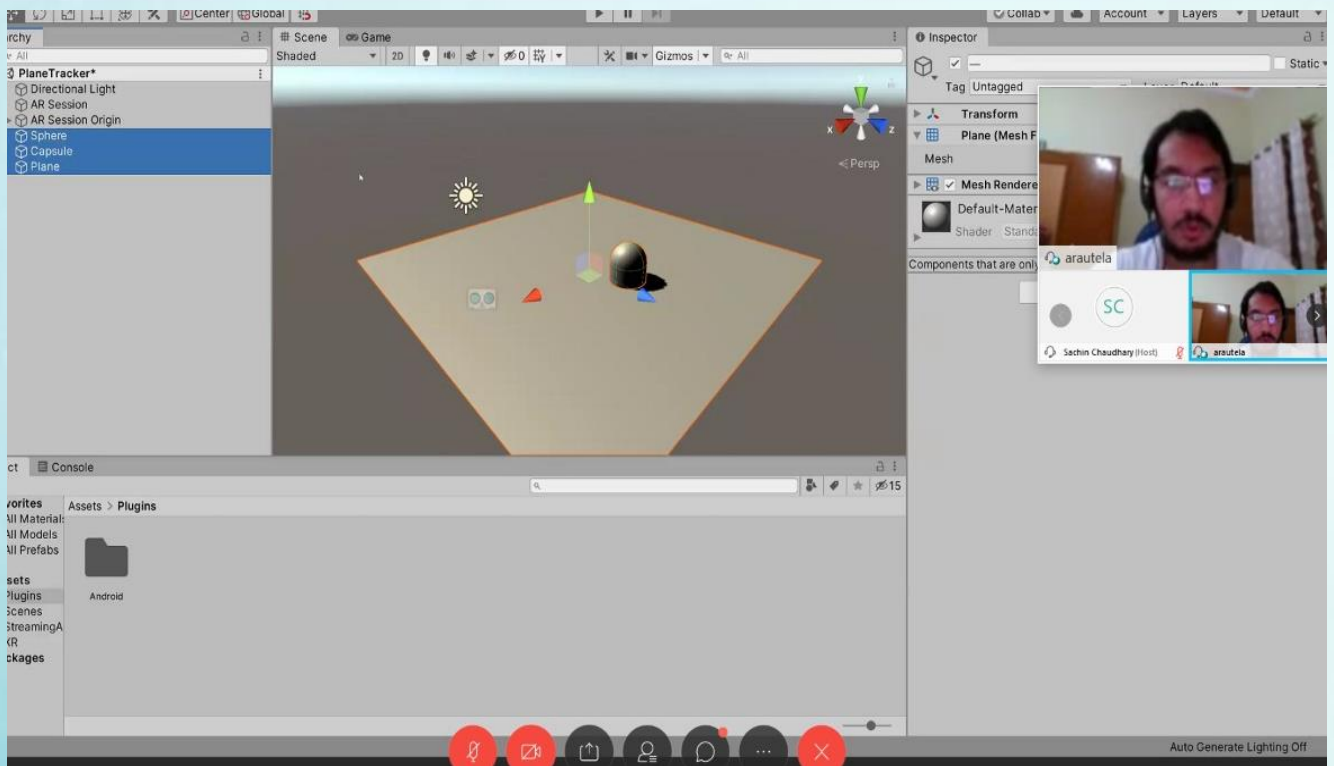
Chat

Send to: Host

Select a participant in the Send to menu first, type that message, and send...

Session No. 912 865 533 | You are participating in the audio conference using your computer.

Dr M Deva Priya, Asso. Professor, Dept. of CSE attended the fourth day of the five-day short-term course on “Technological Interventions using Wireless Communication” organised by NITTR, Chandigarh.



Ms S Sathya Bama and Ms G Priyanka, Asst. Professors, Dept. of CSE attended the fourth day of the five-day Faculty Development Programme on “**Virtual Reality/Augmented Reality**” organised by ATAL in association with Punjab Engineering College, Chandigarh.

```

In [31]: # Display the aggregate functions on a series object i.e. sessional_marks column
sess_marks=df4['Sessional_marks']
sess_sum=sess_marks.sum()
print('Sum of sessional marks:', sess_sum)

sess_mean = round(sess_marks.mean(),2)
print('Mean of sessional marks:', sess_mean)

sess_min = sess_marks.min()
print('Minimum of sessional marks:', sess_min)

sess_max = sess_marks.max()
print('Maximum of sessional marks:', sess_max)

sess_median = sess_marks.median()
print('Median of sessional marks:', sess_median)

Sum of sessional marks: 277
Mean of sessional marks: 21.21

```

Ms T Suganya and Ms G Sandhya, Asst. Professors, Dept. of CSE attended the fourth day of the five-day short-term course on “**Big Data Analytics**” organised by NITTTR, Chandigarh.

What are Writing Skills?



“Writing means sharing. It's part of the human condition to want to share things - thoughts, ideas, opinions.” - Paulo Coelho

PHILLY
TRAINING & CONSULTANCY
... Unfolding Potentials



Ms Viraja Ravi, Asst. Professor, Dept. of CSE attended the fourth day of the five-day short-term course on “**Communication and Presentation Skills**” organised by NITTTR, Chandigarh.

Data Preprocessing on Missing Values

- Ignoring the Missing Values
- Filling the missing values manually
- Filling using Computed Values

Data Preprocessing on Noisy Data

Data Binning

Machine Learning

Preprocessing in Clusters

Manual Removal



python™



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Gagan Deep

Founder & Director

Resource Person & Speaker

Rozy Computech Services, Kurukshetra

9416094600(whatsapp), rozygag@yahoo.com

Facebook, twitter : rozygag

Dr A Christy Jebamalar, Asso. Professor and Ms S Priyadharshini, Asst. Professor, Dept. of IT attended the fourth day of the five-day Faculty Development Programme on “Data science using Python” conducted by NITTTR on 21 May 2020.

HOUSE_PRICE_ADVANCED

train - Excel

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	MSSubCla	MSZoning	LotFronta	LotArea	Street	Alley	LotShape	LandConti	Utilities	LotConfig	LandSlope	Neighborl	Condition	Condition	BldgType
1	60	RL	65	8450	Pave	NA	Reg	Lvl	AllPub	Inside	Gtl	CollCr	Norm	Norm	1Fam
2	20	RL	80	9600	Pave	NA	Reg	Lvl	AllPub	FR2	Gtl	Veenker	Feedr	Norm	1Fam
3	60	RL	68	11250	Pave	NA	IR1	Lvl	AllPub	Inside	Gtl	CollCr	Norm	Norm	1Fam
4	70	RL	60	9550	Pave	NA	IR1	Lvl	AllPub	Corner	Gtl	Crawfor	Norm	Norm	1Fam
5	60	RL	84	14260	Pave	NA	IR1	Lvl	AllPub	FR2	Gtl	NoRidge	Norm	Norm	1Fam
6	50	RL	85	14115	Pave	NA	IR1	Lvl	AllPub	Inside	Gtl	Mitche	Norm	Norm	1Fam
7	20	RL	75	10084	Pave	NA	Reg	Lvl	AllPub	Inside	Gtl	Somerst	Norm	Norm	1Fam
8	60	RL	NA	10382	Pave	NA	IR1	Lvl	AllPub	Corner	Gtl	NWAmes	PosN	Norm	1Fam
9	50	RM	51	6120	Pave	NA	Reg	Lvl	AllPub	Inside	Gtl	OldTown	Artery	Norm	1Fam
10	190	RL	50	7420	Pave	NA	Reg	Lvl	AllPub	Corner	Gtl	BkSide	Artery	Artery	2fmCon
11	20	RL	70	11200	Pave	NA	Reg	Lvl	AllPub	Inside	Gtl	Sawyer	Norm	Norm	1Fam
12	60	RL	85	11924	Pave	NA	IR1	Lvl	AllPub	Inside	Gtl	NridgH	Norm	Norm	1Fam
13	20	RL	NA	12968	Pave	NA	IR2	Lvl	AllPub	Inside	Gtl	Sawyer	Norm	Norm	1Fam
14	20	RL	91	10652	Pave	NA	IR1	Lvl	AllPub	Inside	Gtl	CollCr	Norm	Norm	1Fam



Dr Shivashank...

zoom

jupyter simple_linear_regression Last Checkpoint: Last Friday at 4:56 PM (unsaved changes)

```

In [2]: import numpy as np
import matplotlib.pyplot as plt
import pandas as pd

Importing the dataset

In [3]: dataset = pd.read_csv('Salary_Data.csv')
X = dataset.iloc[:, :-1].values
y = dataset.iloc[:, -1].values

Splitting the dataset into the Training set and Test set

In [4]: from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.2, random_state = 0)

Training the Simple Linear Regression model on the Training set

In [5]: from sklearn.linear_model import LinearRegression
regressor = LinearRegression()
regressor.fit(X_train, y_train)

Out[5]: LinearRegression(copy_X=True, fit_intercept=True, n_jobs=None, normalize=False)

Predicting the Test set results

In [5]: y_pred = regressor.predict(X_test)
  
```

Ms Alaguvathana, Asst. Professor, Dept. of IT attended the fourth day of the five-day Faculty Development Programme on “Data Science” organized by Jeppiaar Institute of Technology, Chennai on 21 May 2020.

STUDENTS' PARTICIPATION



Mr D Daniel Dhas, a student of Third Year B.E. EEE A Section captured a photo representing “If You Truly Love Nature, You will Find Beauty Everywhere” during Covid-19 Lockdown.

FACULTY PARTICIPATION



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with Grade "A" by NAAC | Approved by AICTE

Chennai – 600 119



SCHOOL OF ELECTRICAL AND ELECTRONICS ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that

K. Gaayathry

has attended the webinar on

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING FOR BEGINNERS

on 14th May 2020 through online

DR. P. KAVIPRIYA

Associate Professor

DR. S. LAKSHMI

Associate Professor

DR. M. R. EBENEZAR JEBARANI

Associate Professor

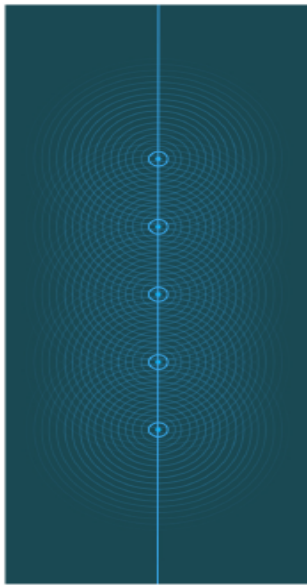
DR. T. RAVI

HOD

DR. N. M. NANDHITHA

Dean

Dr K Gaayathry, Asst. Professor, Dept. of EEE has been certified for having completed the Webinar on "Artificial Intelligence & Machine Learning for Beginners" organized by Sathyabama Institute of Science & Technology (Deemed to be University), Chennai on 14 May 2020.



Researcher Academy researcheracademy.com
Certificate of Completion



This certifies that

Aravind Angamuthu

has successfully completed the following module

The origins of scientific publishing

on Thursday 21 May, 2020

Presented by Jan Willem Wijnen

Suzanne BeDell
Managing Director, Education
Reference & Continuity Books

Philippe Terheggen
Managing Director, Science,
Technology & Medical Journals



Mr T P A Aravind, Asst. Professor, Dept. of Civil Engineering completed a Module on “**The Origins of Scientific Publishing**” under the topic “**Fundamentals of Publishing**” in Elsevier – Researcher Academy on 21 May 2020.



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Kovaipudur, Coimbatore – 641042



Certificate of Participation

This E-Certificate is proudly presented to

Mr T P A Aravind, Asst. Prof / Civil Dept

for having actively participated and presented an Illustrative Creative Work on “**Waste Segregators**” for the competition titled “**Emerging Technology – Best Explained**” hosted by Center for Research & Development, Sri Krishna College of Technology, Coimbatore during the COVID19 lockdown period.

20-5-2020

(Please note that this E-Certificate is generated by the software application and hence requires no authorized signature)

Dr Srinivasan Alavandar
Principal

Mr T P A Aravind, Asst. Professor, Dept. of Civil Engineering received the Certificate of Participation for his presentation on “**Emerging Technology – Best Explained**” hosted by Center for Research & Development, SKCT during the COVID-19 lockdown period.



K. RAMAKRISHNAN COLLEGE OF TECHNOLOGY


Affiliated to Anna University Chennai, Approved by AICTE New Delhi, ISO 9001:2015 Certified Institution, Accredited with 'A+' grade by NAAC
Samayapuram, Tiruchirapalli - 621 112, Tamilnadu, India




Certificate of Appreciation



This is to certify that **M. DEVA PRIYA** from **Sri Krishna College of Technology** has successfully participated and secured **100%** in the **Online Quiz in Python** organized by the Department of Computer Science and Engineering association with IEEE and CSI on **20-5-2020**


Mrs. T. Vetriselvi
Hod / CSE


Dr. S. Muruganandam
Principal

Certificate ID : CDCVPW-CE000110

Dr M Deva Priya, Asso. Professor, Dept. of CSE participated in the Online Quiz on "Python" organized by the Dept. of CSE, K. Ramakrishnan College of Technology, Tiruchirapalli in association with IEEE and CSI on 20 May 2020.



SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)



Sree Sainath Nagar, Tirupati - 517 102

One Week Faculty Development Programme

On

"ICT TOOLS"

(in association with STP - IIT Bombay)

11th - 16th May, 2020

Certificate of Participation

This is to certify that **V J Aiswaryadevi** of **Sri Krishna College of Technology** has participated in One Week Faculty Development program on **"ICT TOOLS"** in association with STP - IIT Bombay, during 11th - 16th May, 2020 organized by the Department of Information Technology, Sree Vidyanikethan Engineering College, Tirupati.


Coordinator


Convenor


HoD


Principal

Ms V J Aiswarya Devi, Asst. Professor, Dept. of CSE attended the one-week Faculty Development Programme on "ICT Tools" during 11-16 May 2020 organized by Sree Vidyanikethan Engineering College, Tirupati in association with STP - IIT Bombay.

```
root@ubuntu: /home/puja
File Edit View Search Terminal Help
puja@ubuntu:~$ sudo su
[sudo] password for puja:
root@ubuntu:/home/puja# ufw app list
Available applications:
CUPS
root@ubuntu:/home/puja# sudo apt dist-upgrade
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@ubuntu:/home/puja#
```

You are viewing: pujima's Deskto

RETURN Audio Unmute Me Participants Chat Annotate Q&A

Viewing pujima's desktop

After adding the repository, update Ubuntu archives and install OpenVAS with the following command:

- ▶ sudo apt-get update
- ▶ sudo apt-get install openvas9

Ms S Madumidha, Asst. Professor, Dept. of IT attended the third day of the five-day Online Faculty Development Programme on “**Blockchain Technologies**” organized by Lakireddy Bali Reddy College of Engineering, Andra Pradesh on 21 May 2020.



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Kovaipudur, Coimbatore – 641042



Certificate of Participation

This E-Certificate is proudly presented to

Ms S Priyadharshini, Asst Prof. / IT Dept.

for having actively participated and presented an Illustrative Creative Work on “**Evolution of Technology**” for the competition titled “**Emerging Technology – Best Explained**” hosted by Center for Research & Development, Sri Krishna College of Technology, Coimbatore during the COVID19 lockdown period.

20-5-2020

(Please note that this E-Certificate is generated by the software application and hence requires no authorized signature)

Dr Srinivasan Alavandar
Principal

Ms S Priyadharshini, Asst. Professor, Dept. of IT presented an Illustrative Creative Work on “**Evolution of Technology**” in the competition titled “**Emerging Technology – Best Explained**” hosted by SKCT on 20 May 2020.



SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

SCHOOL OF COMPUTING

Certificate of Participation

*This certifies that **Ms. Jeyabharathi D** has attended the webinar on **Modern Automation** held on May 5, 2020 through online pedagogy.*

06/05/2020

DATE

Professor & Dean

Dr.T.Sasikala

Dr D Jeyabharathi, Asst. Professor, Dept. of IT attended the Webinar on “**Modern Automation**” organized by Sathyabama Institute of Science and Technology, Chennai, on 05 May 2020.



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 Kovaipudur, Coimbatore – 641042



Certificate of Participation

This E-Certificate is proudly presented to

Ms K Sindhu Meena, Asst Prof / IT Dept.

for having actively participated and presented an Illustrative Creative Work on **“Artificial Intelligence”** for the competition titled **“Emerging Technology – Best Explained”** hosted by Center for Research & Development, Sri Krishna College of Technology, Coimbatore during the COVID19 lockdown period.

20-5-2020

Dr Srinivasan Alavandar
Principal

(Please note that this E-Certificate is generated by the software application and hence requires no authorized signature)

Ms K Sindhu Meena, Asst. Professor, Dept. of IT presented an Illustrative Creative Work on **“Evolution of Technology”** in the competition titled **“Emerging Technology – Best Explained”** hosted by SKCT on 20 May 2020.



VIT
Vellore Institute of Technology
(Approved for University status under Reg. No. 19 of 2012)
CHENNAI

Certificate of Learning



This is to certify that Mr. / Ms. / Mrs. / Dr. JHEYABHARATHI D has participated in the Five day Online Faculty Development Program (OFDP) on PHP and MySQL organised by Prof. N.Hema , School of Computer Science and Engineering (SCOPE), Vellore Institute of Technology (VIT) Chennai from 11-May-2020 to 15-May-2020 with the course material provided by the Spoken Tutorial project of Indian Institute of Technology (IIT) Bombay. This five day OFDP is organised by Free/Libre and Open Source Software for Education (FOSSEE) Club of VIT Chennai in association with the Teaching Learning Centre (ICT) of IIT Bombay, funded by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT).

20-May-2020

Dr. T. Subbulakshmi
Super Resource Center Co-ordinator
VIT Chennai



GMGZNB1LFY

Dr D Jeyabharathi, Asst. Professor, Dept. of IT participated in the five-day Online Faculty Development Program on **“PHP and My SQL”** organized by Vellore Institute of Technology, Chennai during 11-15 May 2020 and the Course Materials were provided by the Spoken Tutorial Project of IIT Bombay.

TALK SERIES

NPTEL SPECIAL LECTURE SERIES

Mr. Tarun Mehta
Co-founder & CEO, Ather Energy

Mr. Sundararajan Krishnan(PK)
Founder and CEO, BluArmor

Live chat

Top chat 289

VAKI HABEGAM AP/S&H maths from Sri Krishna college of Technology, CBE

6:53 p.m. ARVIND ARVINDCHEL km run per Charge achieved and Charging Cost and Time ??

6:53 p.m. RISHABH DESHKAR 2 what is more cost effective EV or petrol vehicle

6:54 p.m. Srinidhi J C Gupta Hello sir in 2021 Graphene batteries will gonna play vaery important role in the EV market could you say anything abot that.

NPTEL SPECIAL LECTURE SERIES

Mr. Tarun Mehta
Co-founder & CEO, Ather Energy

Mr. Sundararajan Krishnan(PK)
Founder and CEO, BluArmor

Live chat

Top chat 376

6:51 pm Kiran Reddy do you foresee more demand for electric vehicles post Covid ? are you depending on China for any supplies ?

6:51 pm harshit belwal What it takes to be a part of Ather Energy ?

6:51 pm Muruganandam R Are there provisions for regenerative braking in Ather?

6:51 pm ARVIND ARVINDCHEL Range per charge and cost per km and Charging timing achieved

6:51 pm Soham Deshpande are you working for increasing in battery life?

6:51 pm Akshit Manocha hello sir, Sir do you offer any course regarding electric scooters for freshers seeking oppurtunity or any Internship?

6:51 pm thangaraju p. What is the weight and cost of EV

NPTEL SPECIAL LECTURE SERIES

Mr. Tarun Mehta
Co-founder & CEO, Ather Energy

Mr. Sundararajan Krishnan(PK)
Founder and CEO, BluArmor

Live_Building India's First Mass Electric Scooter

Members of faculty and students of SKCT attended the NPTEL Lecture Series on “**Building India’s First Mass Electric Scooter**” delivered by Mr Tarun Mehta, Co-Founder & CEO, Ather Energy on 20 May 2020. Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE coordinated the event.



Dr Srinivasan Alavandar, Principal, Heads of the Departments, Members of Faculty and Students of Sri Krishna College of Technology, Coimbatore attended the 15th Online Session on **“Use of Market Data and Application of Marketing Research Tools and Methodology – Advance Level”** delivered by Dr Preet Deep Singh, AVP, Invest India on 21 May 2020. Ms V Roopa, Asst. Professor, Dept. of IT coordinated the session.



Hybrid Optimization Algorithm for Providing Big Data Classification

M. Kavitha Margret,

Assistant Professor, Sri Krishna College of Technology, India

S. Siamala Devi,

Associate Professor, Sri Krishna College of Technology, India

E. GoldenJulie,

Department of Computer Science and Engineering, Anna University Regional Campus, Tirunelveli, India

D. Vijayanandh,

Assistant Professor, Hindusthan College of Engineering and Technology, India

Y. Harold Robinson,

School of Information Technology and Engineering, Vellore Institute of Technology, Vellore, India

Abstract

The larger amount of databases is required classification for providing efficiency in big data applications. The parallel computing approach utilizes the classification whenever the uncertainty occurs in big data. The information entropy causes through the partitioning issues while compressing the data to a restricted amount of memory. The computational time is high in the process of iterations in to big data classification and the available division in the big data reduces the threshold level. The randomly assigned classification involves the identification of the optimal path for every attribute. The computation of information gain for every attribute will enhance the computation time. The optimization based scheduling will reduce the computation time. The hybrid optimization algorithm uses to obtain the optimal path with attribute based randomly assigned and scheduling process. The experimental results show that the proposed technique has the enhanced optimization compared with the other techniques.

Keywords: big data, classification, optimization, accuracy, computation time

Introduction

Big data is the collection of data in huge volumes that provides more than sufficient information related to the field. Big data has caused the most of the developing industries to use advanced techniques to analyze the large size datasets. There are three challenging problems with big data causing researchers to find solutions [1]. The first problem is the velocity problem that creates huge amount of data to be handled at a high speed. The next problem is the variance in data as the data are collected from different sources and are formatted differently [2]. The last problem is the memory problem that is the major issue among the three as the storage and processing requires large memory. These problems paved way for wider researches to be performed to provide efficient analysis of data. Extreme Learning Machine approach has been presented as an efficient method to analyze the large amount of data [3]. ELM is generally used for the classification and regression of data with a single layer of hidden nodes. The machine learning approach has fast learning speed and best generalization scheme [4]. The approach efficiently solves the problems but cannot be termed as the best method due to the reason that it cannot be effective for all types of datasets. The complex datasets requires wide analysis techniques to efficiently determine the attributes. The cloud computing techniques like MapReduce can be used to analyze the big data without any scalability problems [5]. The method uses distributed computing to train multiple models with large data blocks and combine them using ensemble algorithms. As the method seems efficient the big data can be processed by implementing MapReduce based machine learning approaches [6].

The primary objective of this paper is the determination of optimal cut-points and the efficient scheduling of computation tasks to different nodes in the ELM tree. An attribute has many cut-points which all are send to host nodes to compute the information gain [7]. This approach receives further period to determine the best possible results of an attribute due to using all the cut-points in the computation process. Hence it is necessary to select the optimal way to reduce the computation time. The approach, instead of selecting all cut-points, randomly selects the cut-points and computes the information gain [8]. After some iteration, the cut-points with best information gain can be found by the optimization algorithms [9]. The computation of the scheduling algorithm is used to schedule these computation tasks to efficient host nodes by estimating

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World Day for Cultural Diversity for Dialogue & Development

In 2001, UNESCO adopted the Universal Declaration on Cultural Diversity and in Dec 2002, the UN General Assembly, declared May 21 to be the World Day for Cultural Diversity for Dialogue and Development.

Three-quarters of the world's major conflicts have a cultural dimension. Bridging the gap between cultures is urgent and necessary for peace, stability and development. Cultural diversity is a driving force of development, not only with respect to economic growth, but also as a means of leading a more fulfilling intellectual, emotional, moral and spiritual life. This is captured in the culture conventions, which provide a solid basis for the promotion of cultural diversity. Cultural diversity is thus an asset that is indispensable for poverty reduction and the achievement of sustainable development.



"Although COVID-19 has not succeeded in curbing dialogue among cultures, the long-term consequences of the crisis, especially in economic terms, might inflict severe damage on diversity, as periods of crisis are conducive to concentration and standardization. It is this insidious threat that looms." — **Audrey Azoulay**, Director-General of UNESCO, on the occasion of World Day for Cultural Diversity for Dialogue and Development



International Tea Day

Tea is a beverage made from the *Camellia sinensis* plant. Tea is the world's most consumed drink, after water. It is believed that tea originated in northeast India, north Myanmar and southwest China, but the exact place where the plant first grew is not known. Tea has been with us for a long time. There is evidence that tea was consumed in China 5,000 years ago. Tea consumption can bring health benefits and wellness due to the beverage's anti-inflammatory, antioxidant and weight loss effects. It also has cultural significance in many societies.

Re-emphasizing the call from the Intergovernmental Group on Tea to direct greater efforts towards expanding demand, particularly in tea-producing countries, where per capita consumption is relatively low, and supporting efforts to address the declining per capita consumption in traditional importing countries, the General Assembly of United Nations designated 21 May as International Tea Day. Tea producing nations are - Bangladesh, Sri Lanka, Nepal, Vietnam, Indonesia, Kenya, Malawi, Malaysia, Uganda, India and Tanzania.

