

SKCT

DIGEST

12 APRIL – 17 APRIL 2021

SPECIAL ISSUE - 47



EDITOR - IN - CHIEF

Dr Srinivasan Alavandar.

Principal

EDITORIAL TEAM

Ms S Soundarya, CSE

Ms S Thenmozhi, ECE

Ms B Pavithra, S&H

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STUDENTS' PARTICIPATION



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ECE | STUDENTS' ACHIEVEMENT | CHHATRA VISHWAKARMA AWARDS 2020 | AROGYA SURAKSHA



SRI KRISHNA COLLEGE OF TECHNOLOGY

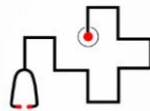
COIMBATORE-641042

CHATTRA VISHWAKARMA AWARDS 2020

APPLICATION NUMBER : VISH20208283



SUB THEME: BARRIERS IN ACCESSING ADEQUATE HEALTHCARE SERVICES



Arogya Suraksha

"Affordable digital healthcare for digital India"

MENTOR NAME:

Mr. Ganesh Prabhu S
Assistant professor
Dept. of ECE, SKCT

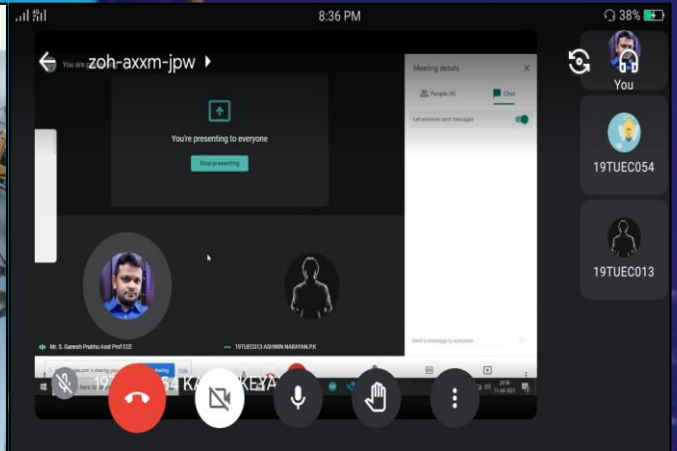
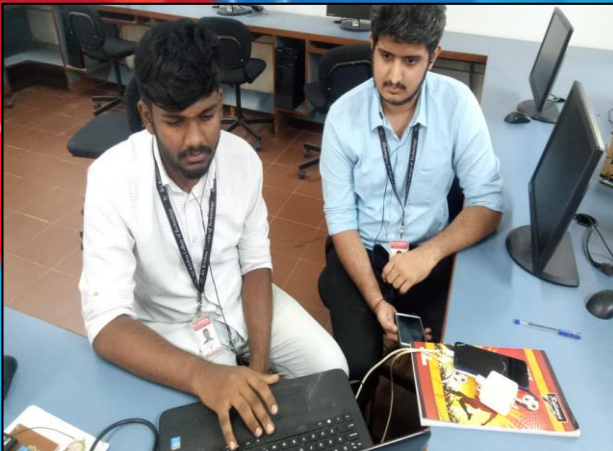
TEAM NAME:

BUDDING INNOVATORS

TEAM MEMBERS:

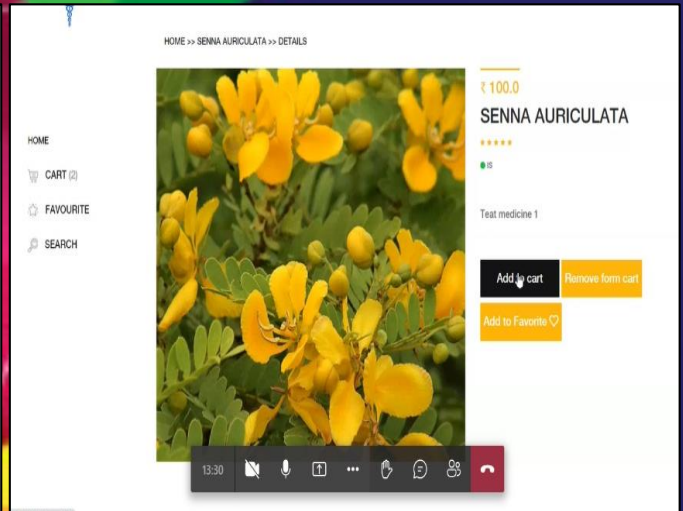
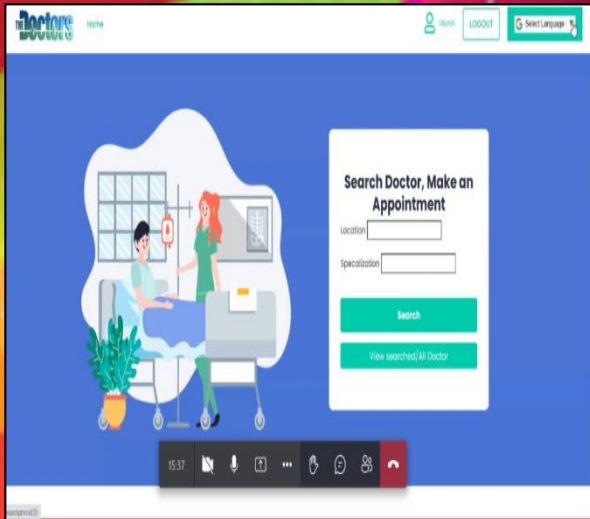
Karthikeyan G
Ashwin Narayan PK
Dharun Prasad V

Uploading (100%)...



Mr Karthikeyan G, Mr Ashwin Narayan P K and Mr Dharun Prasad, Students of Second B.E. ECE, have been shortlisted in Regional Convention under Chhatra Vishwakarma Awards 2020 for presenting a project on **"Arogya Suraksha"** on 12 April 2021. Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, mentored the students.

CSE | STUDENTS' ACHIEVEMENT | CHHATRA VISHWAKARMA AWARDS 2020



Mr Vishnu Priyan, Mr Vikash, Mr Santhosh and Mr Rogith Vishal, Students of B.E. CSE, shortlisted in **“Regional Convention under CVA 2020”** on 13 April 2021. Ms S Sathya Bama, Asst. Professor, Dept. of CSE, mentored the students.

ECE | STUDENTS' PARTICIPATION | 48-HOUR HACKATHON | AGRICULTURAL IoT



SRI KRISHNA COLLEGE OF TECHNOLOGY
AN AUTONOMOUS INSTITUTION | ACCREDITED BY NAAC WITH 'A' GRADE



TECHNICA'21 SUB THEME: AGRICULTURAL IOT TEAM NAME:SKCT

MENTOR:

Mr.S.Ganesh Prabhu,Asst. Prof ECE

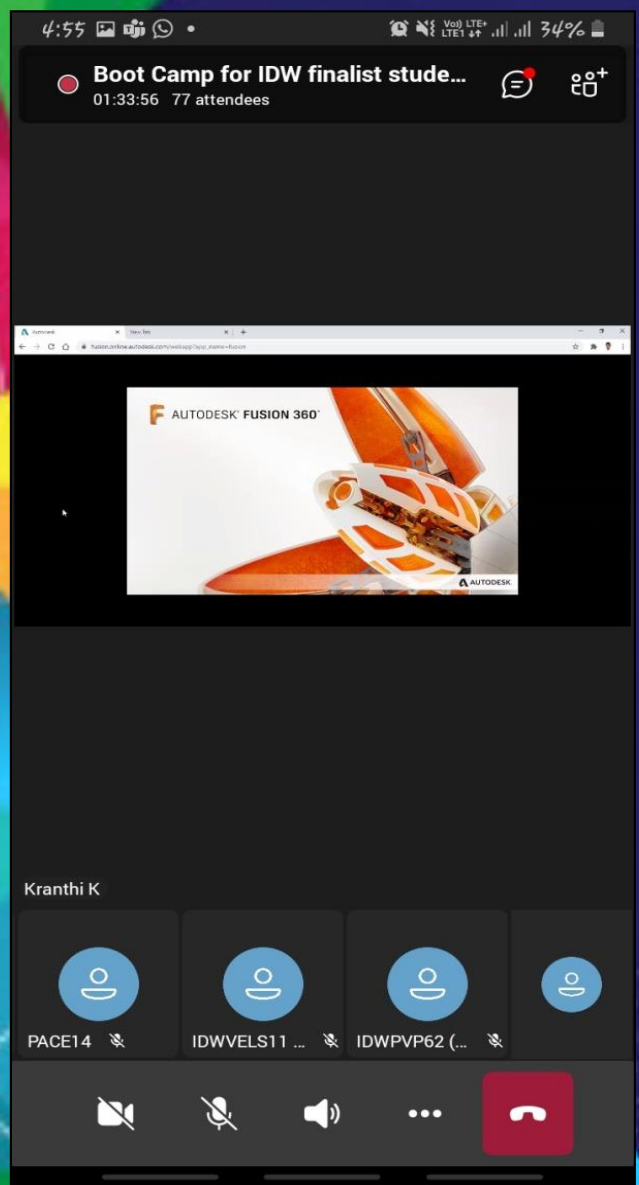
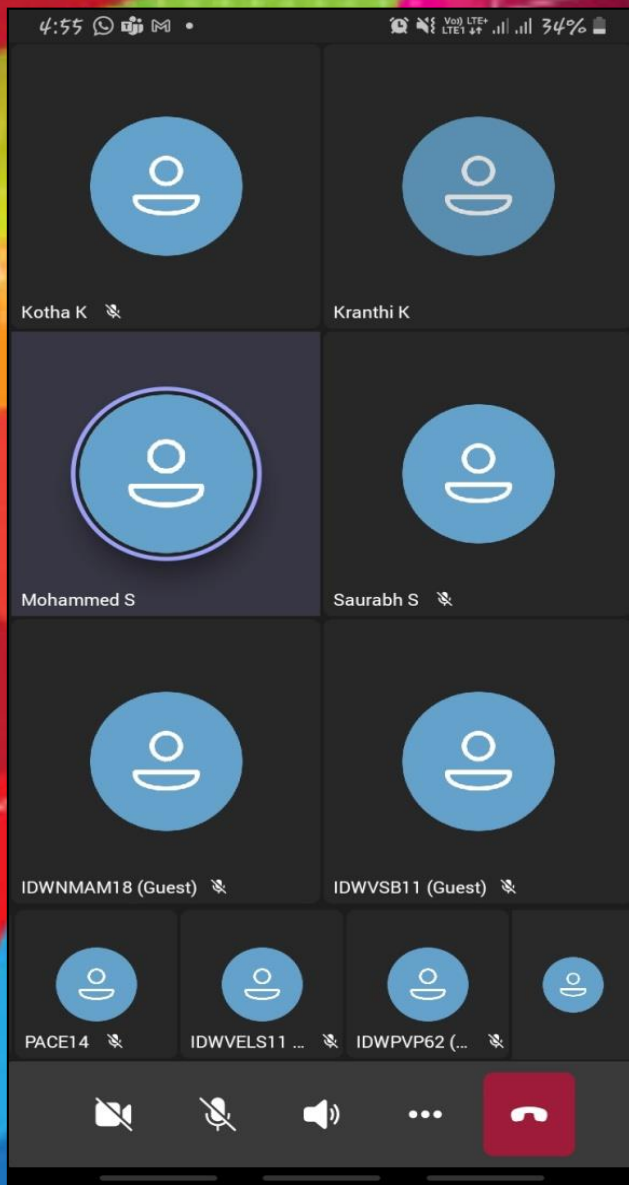
TEAM MEMBERS:

SUJITH
JANANI.R.S
DATCHINA MOORTHIM



Ms Janani R S, Student of First B.E. ICE, Mr Sujith S, Mr Shriram S, Students of First B.E. ECE and Mr Dhatchinamoorthi S, Student of First B.E. EEE, presented a project on "Agricultural IoT" in 48-hour Hackathon organised by Vellore Institute of Technology, Vellore on 10 April 2021. Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE mentored the students.

MECH | STUDENTS' BOOTCAMP TRAINING FOR DESIGN CHALLENGE



Mr R Abhisheak, Mr S Gokul, Mr R Arun Prakash and Mr K Nandhakumar, Students of Third B.E. Mechanical Engineering, participated in the **“Student Bootcamp Training for Design Challenge”** organised by Autodesk Fusion 360 on 15 April 2021.

ECE | STUDENTS' PARTICIPATION | WORKSHOP ON AUDIO PROCESSING WITH MATLAB WORKSHOP



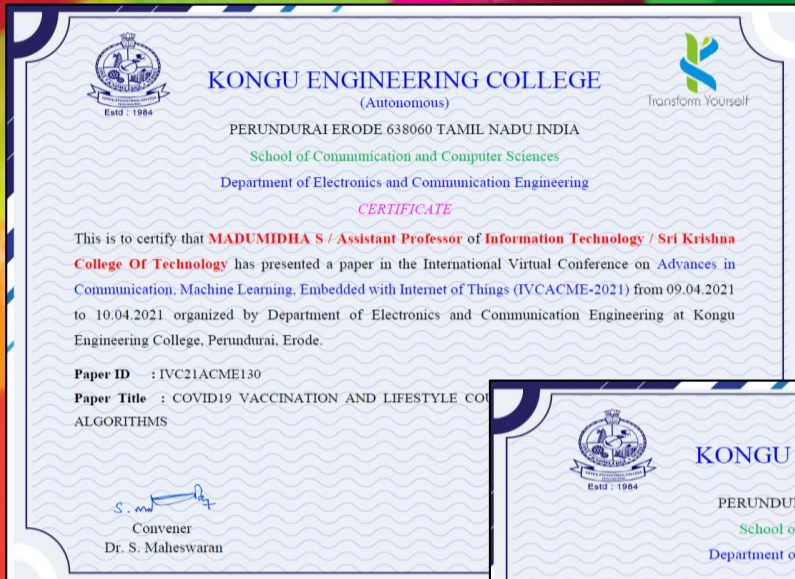
Mr S Vigneash and Mr S Sarath, Students of Second B.E. ECE C section, participated in a workshop on “**Audio Processing with MATLAB Workshop**” organised by PSG Institute of Technology and Applied Research, Coimbatore during 09-11 April 2021.

IT | STUDENTS' PARTICIPATION | INTERNATIONAL CONFERENCE ON ADVANCES IN COMMUNICATION MACHINE LEARNING, EMBEDDED WITH INTERNET OF THINGS 2021



Ms S Madumidha, Asst. Professor, Ms U Vandhana, Ms S Shree Varshini and Ms Sundari, Students of Final B.Tech. IT B section, presented a paper on **“A Web Application for Tracing, Selling and Sustaining Ownership in Blockchain Enabled Art Marketplace”** in Springer International Conference on Advances in Communication, Machine Learning, Embedded with Internet of Things 2021 organised by Kongu Engineering College, Erode during 04-05 April 2021.

IT | STUDENTS' PARTICIPATION INTERNATIONAL CONFERENCE ON ADVANCES IN COMMUNICATION MACHINE LEARNING, EMBEDDED WITH INTERNET OF THINGS 2021



Ms S Madumidha, Asst. Professor, Ms B Keerthana, Mr NavinKumar, Mr Karthikeyan, Final Year B.Tech. IT A section, presented a paper on **“COVID 19 Vaccination and Lifestyle Counsel using Machine Learning Algorithms”** at the Springer International Conference on Advances in Communication, Machine Learning, Embedded with Internet of Things 2021 organised by Kongu Engineering College, Erode during 04-05 April 2021.

FACULTY PARTICIPATIONS



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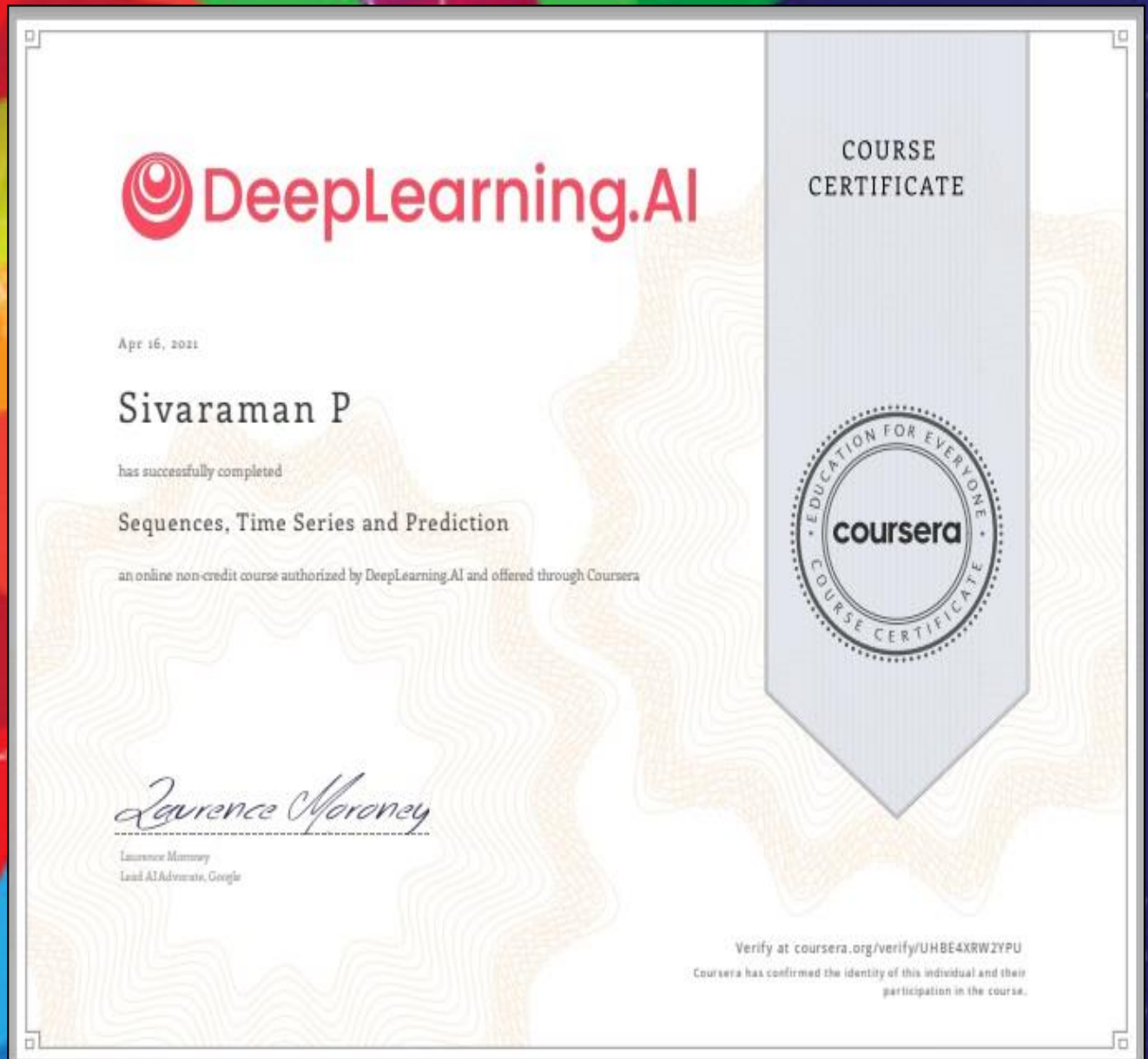
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ECE | FACULTY PARTICIPATION | TECHGIUM 2019-20



Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, received a “**Certificate of Recognition**” for his invaluable contribution in TECHgium 2019-20 organised by L&T Technology Services.

MECH | FACULTY ONLINE CERTIFICATION



Mr P Sivaraman, Asst. Professor, Dept. of Mechanical Engineering, completed a course on **“Sequences, Time Series and Prediction”** authorised by DeepLearning.AI and offered through Coursera on 16 April 2021.

**EEE | FACULTY ACHIEVEMENT | CERTIFICATE OF
RECOGNITION | L&T TECHGIUM****CERTIFICATE OF RECOGNITION**

This Certificate is Awarded to

Leninpugalhanthi P

For the invaluable contribution as

MENTOR

in TECHgium® 2019-20.

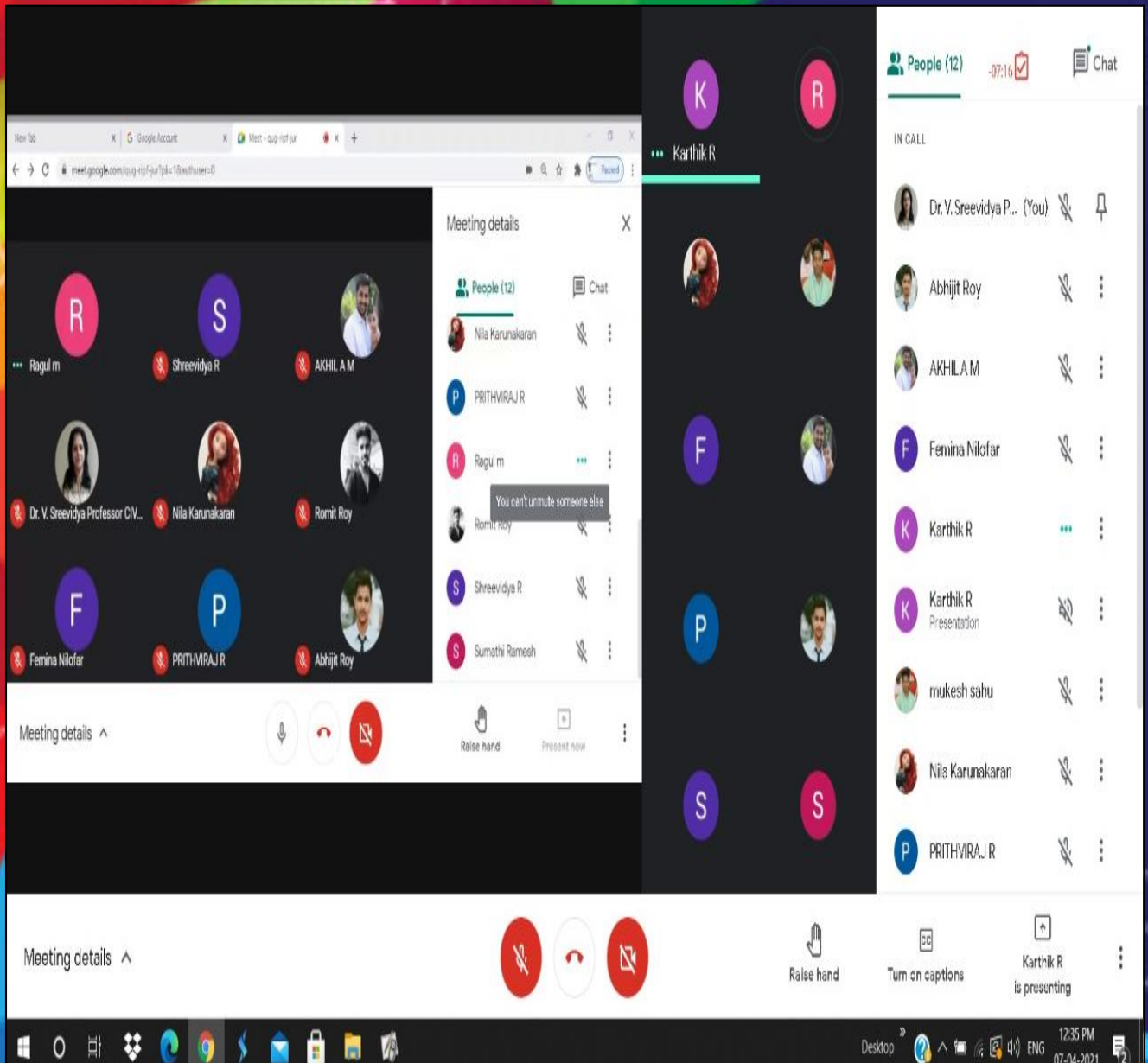
Date: 24th March 2021

A handwritten signature in black ink, appearing to read 'Dr. Keshab Panda'.

Dr. Keshab Panda
CEO & Managing Director

Mr P Leninpugalhanthi, Asst. Professor, Dept. of EEE, received a “Certificate of Recognition” for his invaluable contribution in L&T TECHgium on 24 March 2021.

CIVIL | FACULTY PARTICIPATION



Dr V Sreevidya, Professor, Dept. of Civil Engineering, served as a **“Resource Person”** in an International Conference on SMIGT organised by Adithya Institute of Technology, Coimbatore on 07 April 2021.

**SoM | FACULTY PARTICIPATION | CASE WRITING
COMPETITION & CONFERENCE 2021**



Dr M Padmavathi, Professor and Head, SoM, participated in “**Case Writing Competition & Conference 2021**” organised by All India Management Association (India Case Research Center).

RESEARCH



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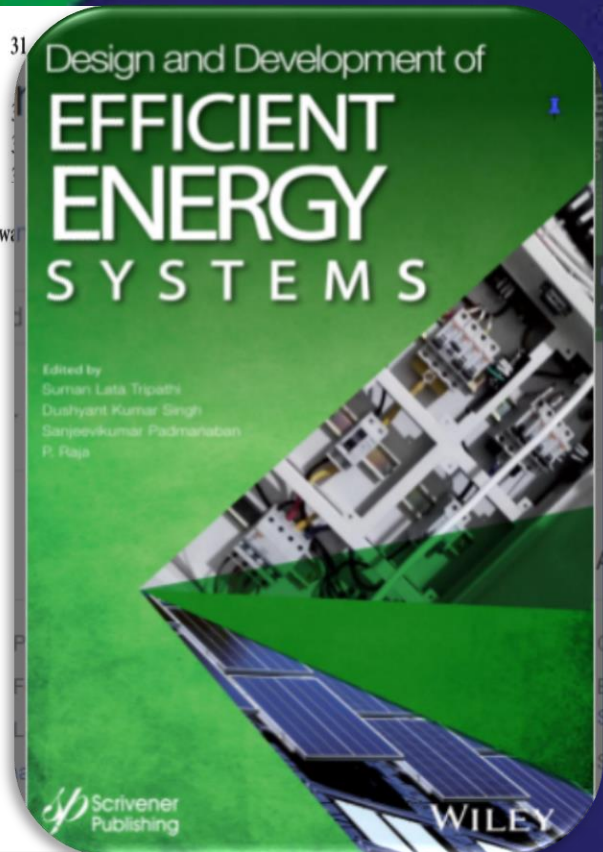
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IT | BOOK CHAPTER | DESIGN AND DEVELOPMENT OF EFFICIENT ENERGY SYSTEMS-ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING FOR INDUSTRIAL TRANSFORMATION

- 3 Gas Leakage Detection from Drainage to Offer Safety for Sanitary Workers 31
Dr. D. Jeyabharathi, Dr. D. Kesavaraja and D. Sasireka
- 3.1 Introduction
- 3.1.1 IOT-Based Sewer Gas Detection
- 3.1.1.1 IoT Sensors
- 5 Review of Machine Learning Techniques Used for Intrusion and Malware Detection in WSNs and IoT Devices
Dr. Jeyabharathi, Dr. A. Sherly Alphonse, Ms. E.L. Dhivya Priya and Dr. M. Kowsigan
- 5.1 Introduction
- 5.2 Types of Attacks
- 5.3 Some Countermeasures for the Attacks
- 5.4 Machine Learning Solutions
- 5.5 Machine Learning Algorithms
- 5.6 Authentication Process Based on Machine Learning
- 5.7 Internet of Things (IoT)
- 5.8 IoT-Based Attacks
- 5.8.1 Botnets
- 5.8.2 Man-in-the-Middle
- 5.9 Information and Identity Theft
- 5.10 Social Engineering
- 5.11 Denial of Service
- 5.12 Concerns
- 5.13 Conclusion
- References



Dr D Jeyabharathi, Asst. Professor, Dept. of IT, published a Book Chapters on “**Gas Leakage Detection from Drainage to Offer Safety for Sanitary Workers**” and “**Review of Machine Learning Techniques used for Intrusion and Malware Detection in WSNs and IoT Devices**” under Book Name Design and Development of Efficient Energy Systems-Artificial Intelligence and Soft Computing for Industrial Transformation, Wiley, 2021, ISBN-1119761638, 9781119761631 on 13 April 2021.

NEW VJSTAS OF LEARNING



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CIVIL | WEBINAR ON INNOVATIVE INVESTIGATION TECHNIQUES AND DATA PROCESSING FOR BRIDGES



SRM INSTITUTE OF SCIENCE & TECHNOLOGY

Bharathi Salai, Ramapuram, Chennai-600089.

Department of Civil Engineering



Certificate of Participation

This is to certify that Mr/Ms/Dr. Dr.V.SREEVIDYA has participated in International webinar on “Innovative Investigation Techniques and Data Processing for the Assessment of Bridges” organized by the Indian Society for Non-Destructive Testing & PROCEQ in association with Department of Civil Engineering, SRM Institute of Science & Technology, Ramapuram, Chennai-89, on 07th April 2021.

VSFNPU-CE000077

Mr.S.Subramanian
Chairman, ISNT-Chennai Chapter.

Dr.T.Ch.Madhavi
Convenor & HOD/Civil

Made for free with Certify'em

Dr V Sreevidya, Professor, Dept. of Civil Engineering, attended a webinar on “**Innovative Investigation Techniques and Data Processing for the Assessment of Bridges**” organised by SRM Institute of Science and Technology on 07 April 2021.

**CIVIL | WEBINAR ON CEMENT SUPERPLASTICIZER
COMPATIBILITY****CERTIFICATE**

PROUDLY PRESENTED TO

Dr. SREEVIDYA V

Cement- Superplasticizer Compatibility

Apr 3, 2021

Date of Completion

UltraTech Cement Ltd.

Organizer



Dr V Sreevidya, Professor, Dept. of Civil Engineering, attended a webinar on “**Cement- Superplasticizer Compatibility**” organised by UltraTech Cement Limited on 03 April 2021.

FDPs ATTENDED



Faculty Development Program



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**SoM | AICTE- ISTE FDP ON CSI AS TEACHING TOOL
FOR 21ST CENTURY – PHASE II**

KARPAGAM
COLLEGE OF ENGINEERING
Rediscover | Refine | Redefine
Coimbatore - 641 032
Autonomous | Affiliated to Anna University, Chennai
Accredited by NAAC with W Grade | NBA (ICE, EEE, CSE, MECH & IT)

**FACULTY OF
MANAGEMENT STUDIES**
organizes

**One-week AICTE – ISTE
Induction/ Refresher/ Faculty Development Programme**
on
**CSI (Cognitive Strategy Instructions) as
Teaching Tool for 21st Century – PHASE II**
sponsored by
**All India Council for Technical Education
and
Indian Society for Technical Education**
Date: 06-04-2021 to 12-04-2021
via
online in Microsoft Teams



Ms P Thennarasi and Mr Mayilrajan, Asst. Professors, SoM, participated in “One-week AICTE – ISTE Faculty Development Programme on CSI (Cognitive Strategy Instructions) as Teaching Tool for 21st Century – Phase II” organised by Karpagam College of Engineering, Coimbatore.

MEETINGS & DISCUSSIONS



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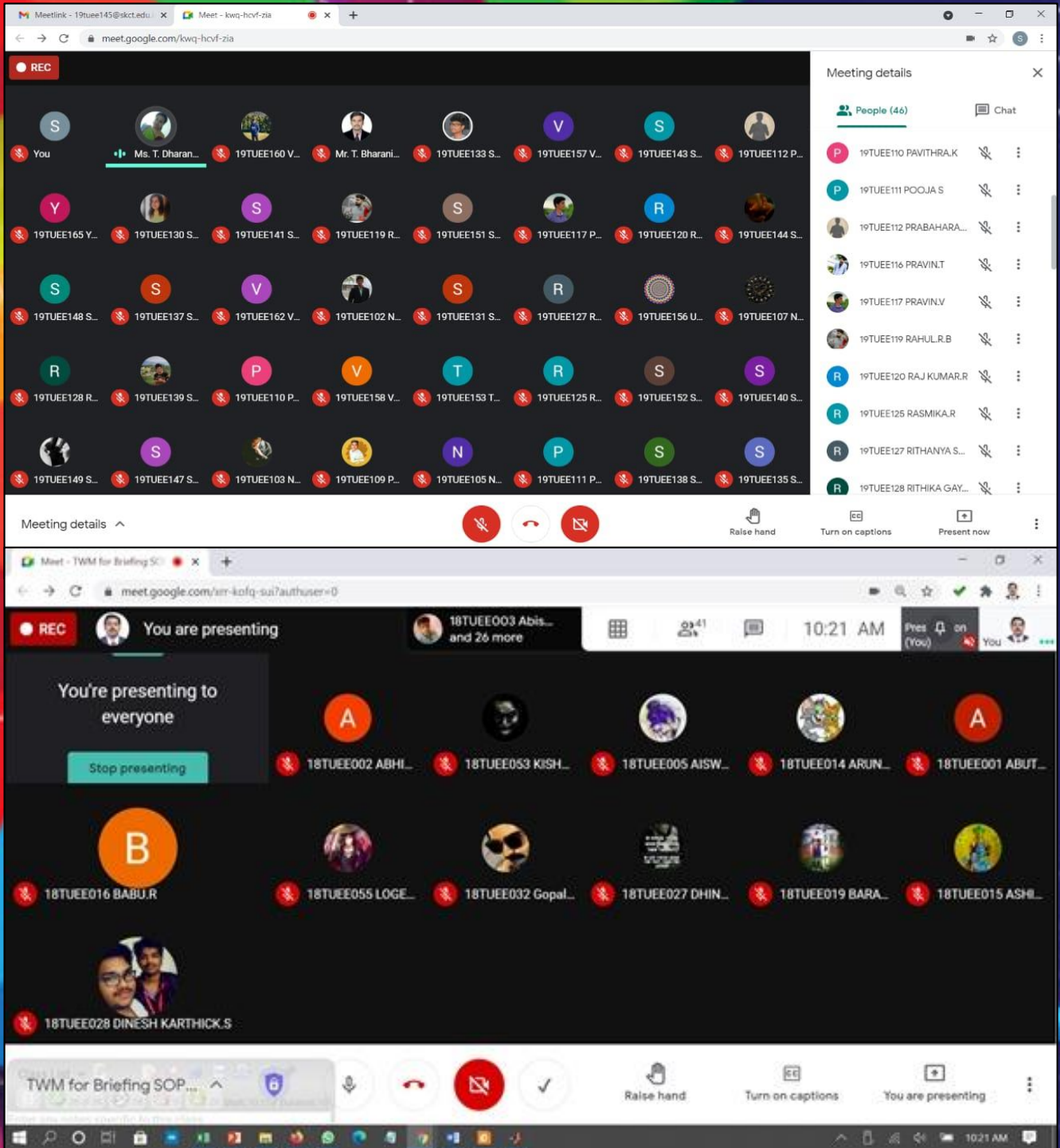


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EEE | DEPARTMENT MEETING

Dr K Lakshmi, Professor and Head, Dept. of EEE, conducted a meeting with the Members of Faculty regarding the Progress of Even Semester Online Classes, Academic Activities, R&D Activities, NAAC & IQAC Files Update on 12 April 2021.

EEE | TUTOR WARD MEETING



Dr K Lakshmi, Professor and Head, Dept. of EEE, conducted a meeting with the tutors and year coordinators on 13 April 2021.

EVENTS ORGANISED



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S&H | WEBINAR ON IT INNOVATION INDUSTRY

SRI KRISHNA COLLEGE OF TECHNOLOGY
(An Autonomous Institution Accredited by NAAC with 'A' Grade)
Kovaiipudur, Coimbatore - 641 042.

DEPARTMENT OF SCIENCE AND HUMANITIES
&
INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD, India)

**JOIN OUR NEXT LIVE WEBINAR
ON
iT Innovation Factory
FOR
I YEAR STUDENTS**

Mr Madhan Mohan S N
Senior Software Engineer
Odessa Technologies

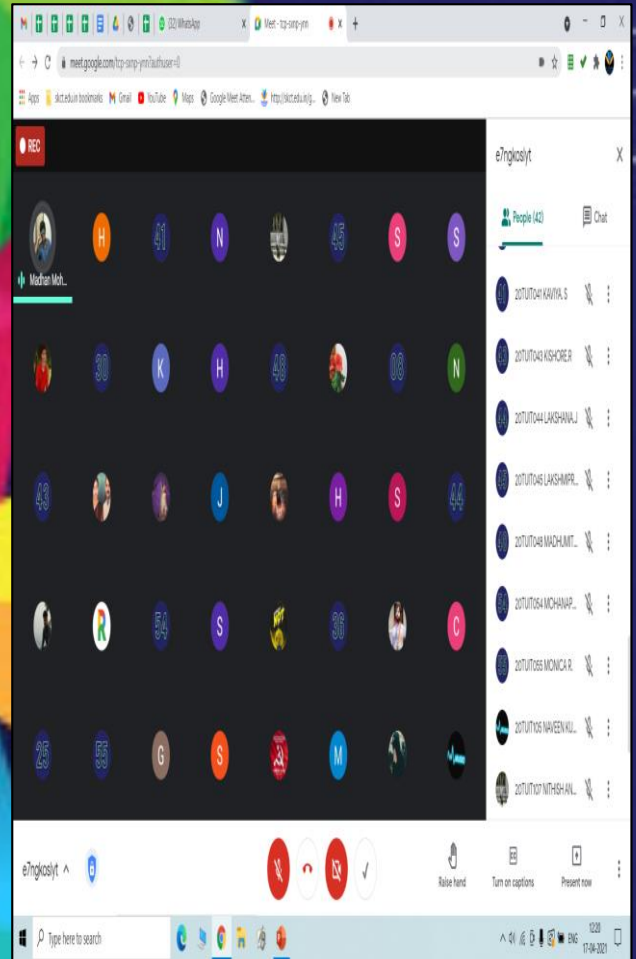
Presided by
Dr SRINIVASAN ALAVANDAR
PRINCIPAL

Facilitated by
Dr B Sathishkumar
HoD - S&H

Organized by
Dr D Santhoshshanthakumar
Associate Professor - S&H

<https://meet.google.com/lookup/e7ngkoslyt>

JOIN US NOW!



The Dept. of Science and Humanities organised a webinar on “**iT Innovation Industry**” facilitated by Mr Madhan Mohan S N, Senior Software Engineer, Odessa Technologies on 17 April 2021. Dr D Santhosh Shanthakumar, Asst. Professor, Dept. of S & H, coordinated the event.

