

SKCT

DIGEST

SPECIAL ISSUE - 19

28 SEPTEMBER - 02 OCTOBER 2020



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Ms S Thenmozhi, ECE

Ms B Pavithra, SSH



INSIDE THIS ISSUE

**STUDENTS'
PARTICIPATION**

Pg.no : 03 - 12

**FACULTY
PARTICIPATIONS**

Pg.no : 13 - 19

PUBLICATIONS

Pg.no : 18 - 21

**NEW VISTAS OF
LEARNING**

Pg.no : 22 - 26

**WORKSHOPS
ATTEENDED**

Pg.no : 27 - 30

FDPs ATTENDED

Pg.no : 31 - 39

**MEETINGS &
DISCUSSIONS**

Pg.no : 40 - 48

**EVENTS
ORGANISED**

Pg.no : 49 - 64

SPECIAL EDITION - 19

STUDENTS' PARTICIPATION



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CIVIL | STUDENTS' ACHIEVEMENT | TOP 100 PROJECT | LA FOUNDATION DASSAULT SYSTEMES



Dear Mr. PremKiran S,

Congratulations! We at La Fondation Dassault Systemes, India appreciate your efforts to submit your project and demonstrate it in **ConnectNext Conference** on 17th and 18th September 2020.

Your Project **InnoVert Vertical Farming** in the Exhibition was one of the best demonstrable projects in the exhibition and highly appreciated by all attendees in Conference. We sincerely **Thank You** for your valuable time to demonstrate your project to the industry leaders across the country.

As a token of appreciation, we are providing you a certificate for your participation and selection in Top 100 projects in conference. We are happy to share this certificate, on behalf of **Hemant GADGIL, Executive Director, La Fondation Dassault Systemes, India**

We look forward to your contribution and participation in more such events organized by La Fondation to provide a better platform to present student's skills and Future Ready talent to relevant Industries across India.

Request you to download your Certificate from following link –

<https://drive.google.com/file/d/1eUs1KqdGh4JKgoPUqXM9S9q9x5Vmbgv/view?usp=drivesdk>

Best Regards
La Fondation Dassault Systemes, India



CERTIFICATE OF PARTICIPATION

This certificate is awarded to

Mr. PremKiran S

to certify his/her project
InnoVert Vertical Farming
was included in the project display to industries under
ConnexNext National Conference
organised by, La Fondation Dassault Systemes
on 17th & 18th September 2020

Hemant GADGIL
Executive Director
La Fondation Dassault Systemes, India

Mr V Dharshan, Mr S Logess, Ms Divya Thulasidass and Mr S Prem Kiran, Students of Final B.E. Civil Engineering, presented a project on **“Innovert Vertical Farming”** in ConnectNext Conference organised by La Dassault Systemes. The project has been selected as one of the Top 100 Projects.

**ECE | STUDENT'S ACHIEVEMENT | TOP 100 PROJECT
| LA FOUNDATION DASSAULT SYSTEMES**



Mr Vishalrajan S, Student of Final B.E. ECE, presented a project on **“Rotational Conductor”** in ConnectNext Conference organised by La Dassault Systemes on 17 September 2020. The project has been selected as one of the Top 100 Projects. Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, mentored the student.

**CSE | STUDENT'S ACHIEVEMENT | PARTICIPATION
ON CLOUD RIDERS - 2020**



Mr R Kiruthick, Student of Third B.E. CSE B Section, completed a course on **“Cloud Riders – 2020”** in EduSkills.

CSE | STUDENT'S ACHIEVEMENT | INTERNSHIP COMPLETION

Registered Office: MachDatum Private Limited
8/59(11), Vagarayampalayam
Coimbatore 641659 – Tamil Nadu - India
www.machdatum.com
CIN-U72900TZ2018PTC030802
GSTIN: 33AAMCMD035C122



CERTIFICATE OF INTERNSHIP COMPLETION

This is to certify that Mr. P Sethupathi underwent an internship carrying a stipend in our firm as a **Frontend Developer Intern** for a period of 3 months starting from 1st of July till the 28th of September. During his period of internship remotely and on-premise he carried out his work with due diligence and utmost quality with an eagerness to learn. During his internship period he worked closely with the team using frameworks such as ReactJS proficiently and carries with him at end of this internship immense knowledge and experience of working on production ready enterprise applications.

The MachDatum team highly recommend him for future roles and wish him success.

For MachDatum Private Limited

For MachDatum Pvt Ltd

R. Hemanand

Director

Hemanand Ramasamy
Chief Executive Officer

Mr P Sethupathi, Student of Third B.E. CSE C Section, completed an internship programme as “**Frontend Developer Intern**” at MachDatum Private Limited, Coimbatore during 01 July-28 September 2020.

ECE | STUDENTS' ACHIEVEMENT | CONNECTNEXT CONFERENCE | LA FOUNDATION DASSAULT SYSTEMES



Mr P Manikandan, Mr M Kiran Seshi, Mr M K Nishanth and Ms U S Arthi, Students of Third B.E. ECE, presented a project on “**Smart Dustbin**” in ConnectNext National Conference organised by La Fondation Dassault Systemes on 17 September 2020. The project has been selected as one of the Top 100 Projects. Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, mentored the students.

CIVIL | STUDENT'S PARTICIPATION IN ENGINEER'S DAY CELEBRATION



**SRI KRISHNA COLLEGE
OF TECHNOLOGY**
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Affiliated to Anna University
Coimbatore - 641042

**SRI KRISHNA
INSTITUTIONS
COIMBATORE**

*Engineer's Day
Celebration 2020*

**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of HRD Initiative)

Certificate

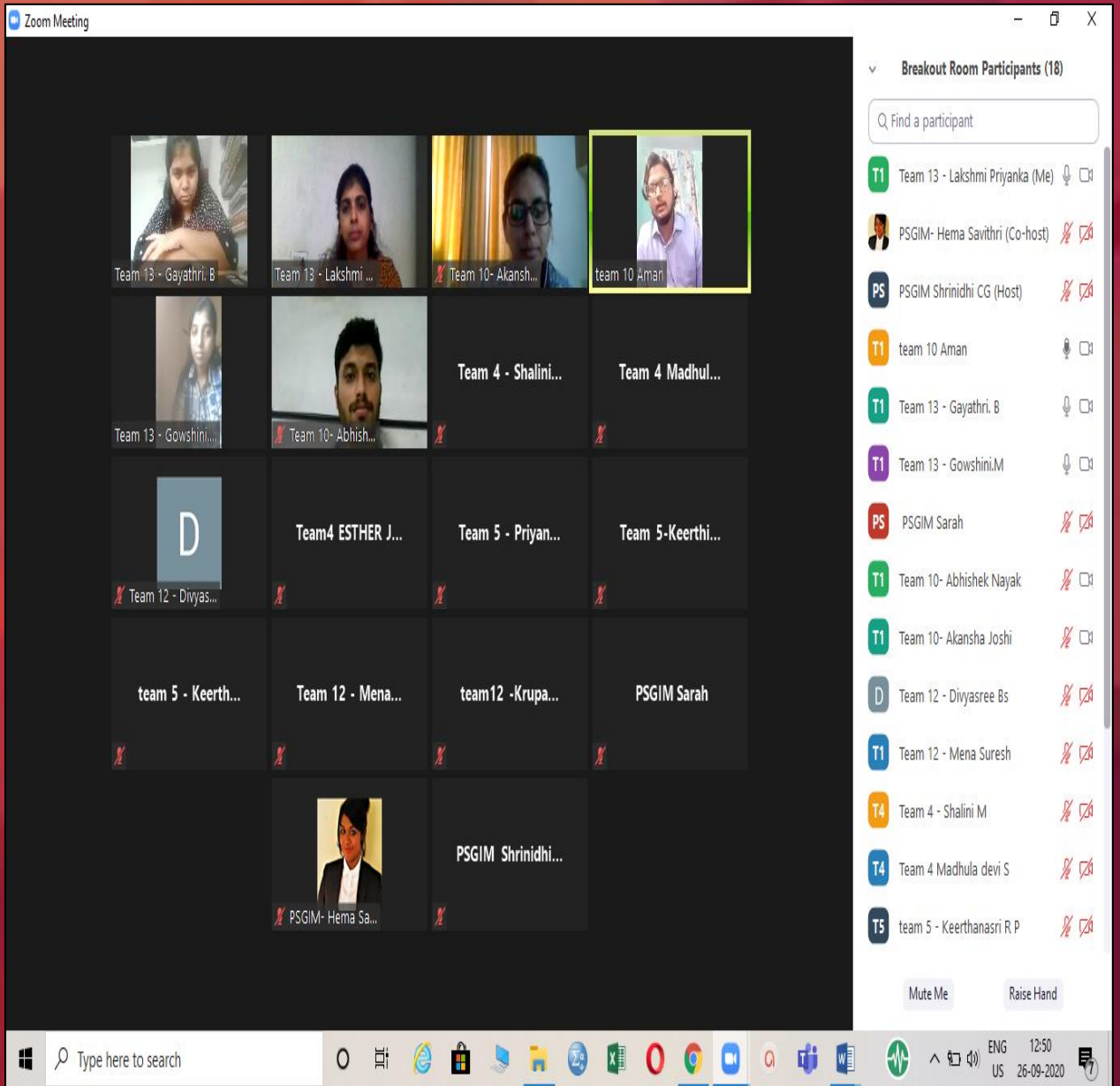
This is to Certify that KEERTHI S
of THIRD YEAR – CIVIL ENGINEERING has participated in the
event DRAWING COMPETITION
and secured SECOND place in the Engineer's Day Celebration conducted by
Sri Krishna College of Technology on 15th september 2020.

DR.P.PRATHAP
HOD/MECHANICAL
CO-ORDINATOR

DR. SRINIVASAN ALAVANDAR
PRINCIPAL

Ms S Keerthi, Student of Third B.E. Civil Engineering, secured the Second Place in “**Drawing Competition**” organised as a part of Engineer's Day Celebration at Sri Krishna College of Technology, Coimbatore on 15 September 2020.

SoM | STUDENTS' PARTICIPATION & ACHIEVEMENTS



Ms Lakshmi Priyanka S, Ms Gayathri B and Ms Gowshini M, Students of Second MBA, participated in “**Human Resource Professional Day - Best HR Team Event**” organised by PSG Institute of Management, Coimbatore on 26 September 2020.

EEE| STUDENTS' ACHIEVEMENT IN PLACEMENT | SOFTWARE DEVELOPER IN L&T INFOTECH



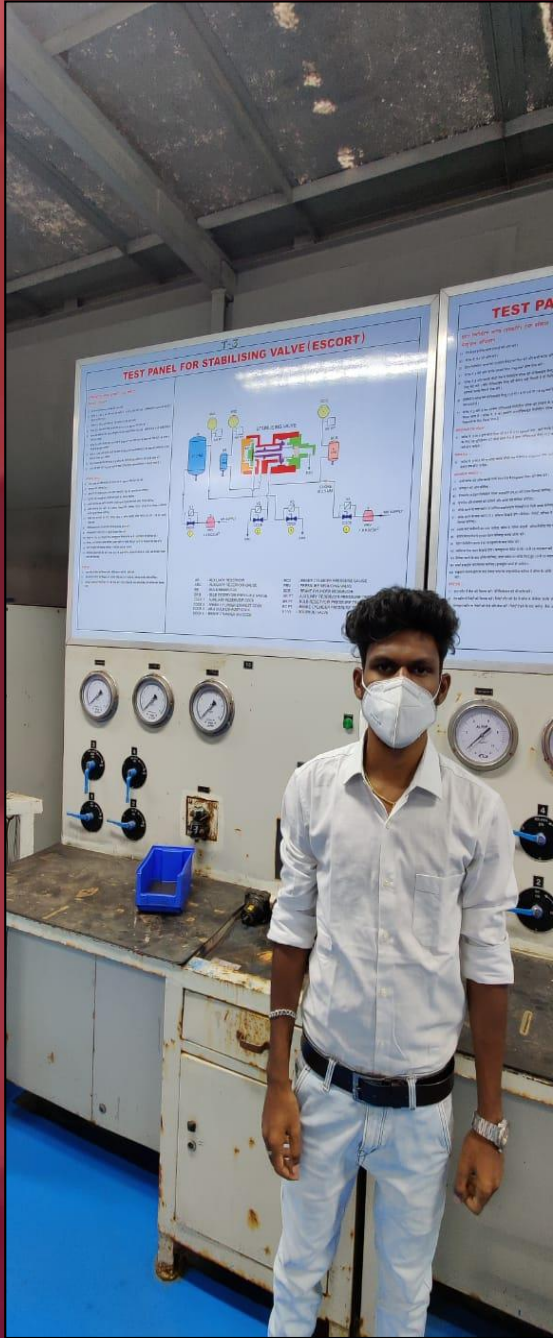
Mr Mohan B and Mr Prasanth M, Students of Final B.E. EEE, has been selected as a **“Software Developer”** in L&T Infotech.

EEE| STUDENTS' ACHIEVEMENT IN PLACEMENT | SOFTWARE DEVELOPER IN VURAM TECHNOLOGIES

Ms Sathiyapriya S and Mr Kavinkumar M, Students of Final B.E. EEE, has been selected as a **“Software Developer”** in Vuram Technologies.



MECH | INDUSTRIAL VISIT



Mr M Jaisinth, Student of B.E. Mechanical Engineering, visited Western Railway Workshop, Mumbai on 01 October 2020.

**ECE | STUDENTS' PARTICIPATION | MACHINE
LEARNING TASK | FLIPR HACKATHON 6.0**

FLIPR

CERTIFICATE

OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENT TO

TEAM THE X-FORCE

AND TEAM MEMBERS **KIRAN SESHI M. NISHANTH MK AND MANIKNANDAN P** FOR PARTICIPATING IN FLIPR HACKATHON 6.0 HELD BETWEEN **12th SEPTEMBER 2020 TO 14th SEPTEMBER 2020** AND PERFORMING **MACHINE LEARNING TASK**.


SIGNATURE

Flipr Innovation Labs Pvt Ltd. CIN - U74999KA2019PTC127574 Certificate no. - 20202261

Mr Kiran Seshi M, Mr Nishanth M K and Mr Manikandan P, Students of Third B.E. ECE B Section, performed **“Machine Learning Task”** in FLIPR Hackathon 6.0 during 12-14 September 2020.

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FACULTY PARTICIPATIONS



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MECH | FACULTY PARTICIPATION IN INTERNATIONAL CONFERENCE



Dr N Mohanraj, Assoc. Professor, Dept. of Mechanical Engineering, presented a paper on “**Surface Wear Rate Prediction in Reinforced AA2618 MMC by Employing Soft Computing Techniques**” in ICICT 2020 Conference during 11-12 September 2020.

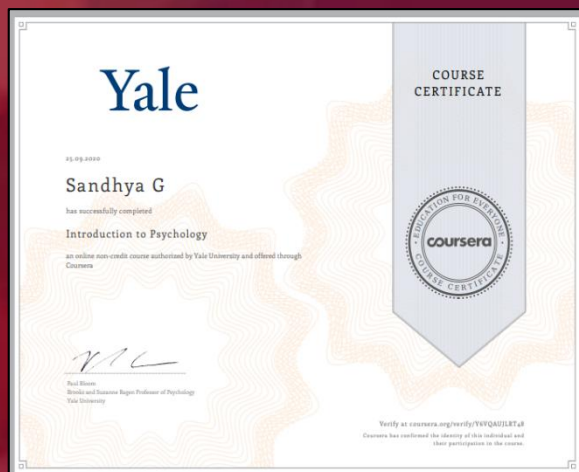
ECE | FACULTY CERTIFICATION | THE ARDUINO PLATFORM AND C PROGRAMMING



Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, completed an online course on **“The Arduino Platform and C Programming”** authorised by University of California, Irvine and offered through Coursera on 16 September 2020.

CSE | CERTIFICATION ON INTRODUCTION TO PSYCHOLOGY

Ms G Sandhya, Asst. Professor, Dept. of CSE, completed an online non-credit course on **“Introduction to Psychology”** authorised by Yale University and offered through Coursera on 25 September 2020.



CSE | CONFERENCE ATTENDED

Bayesian Personalized Ranking-Based Rank Prediction Scheme (BPR-RPS)



J. Sengathir, M. Deva Priya, A. Christy Jeba Malar, G. Aishwaryalakshmi, and S. Priyadharshini

1 Introduction

Cloud computing is a style of computing where massively scalable IT-enabled capabilities are delivered 'As a Service' to external customers using Internet technologies [1]. From the recent past, the cloud service providers adore more and more prospects in the marketplace [2]. Cloud computing offers several beneficiary aspects for the users such as fast deployment of the services in the user's environment, providing access to services, easy pay for the usage of services leading to cost effectiveness and offering services in rapid provisioning and elasticity way [3]. The resources are shared through ubiquitous network access, and the cloud providers enable to access services in a resilient manner. They also provide mitigation

Dr J Sengathir, Dr M Deva Priya, Dr A Christy Jeba Malar, Ms G Aishwaryalakshmi and Ms S Priyadharshini, presented a research paper on "**Bayesian Personalized Ranking based Rank Prediction Scheme (BPR-RPS)**" in the Second EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing (BDCC 2019), EAI/Springer Innovations in Communication and Computing, Springer, pp. 203 - 216, October 2020, Springer.

CSE | CONFERENCE ATTENDED

Adaptive Uplink Scheduler for WiMAX Networks



M. Deva Priya, A. Christy Jeba Malar, N. Kiruthiga, R. Anitha, and G. Sandhya

1 Introduction

IEEE 802.16, the Worldwide Interoperability for Microwave Access (WiMAX) standard provides Broadband Wireless Access (BWA) in Metropolitan Area Networks (MANs). It supports high bandwidth applications by providing wireless communications with QoS guarantees.

It provides “last mile” connectivity in MAN where other methods fail or are not cost-effective. It acts as a replacement to satellite Internet services in remote areas. It supports high mobility and provides a communication link between the Mobile Stations (MSs) and the Base Stations (BSs).

Dr M Deva Priya, Dr A Christy Jeba Malar, Ms N Kiruthiga, Ms R Anitha and Ms G Sandhya, presented a research paper on “**Adaptive Uplink Scheduler for WiMAX Networks**” in the Second EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing (BDCC 2019), EAI/Springer Innovations in Communication and Computing, Springer, pp. 203 - 216, October 2020, Springer.

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PUBLICATIONS



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ICE | PAPER PUBLICATION | ELSEVIER | ENERGY
REPORTS

Energy Reports 6 (2020) 1638–1647



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Research paper

Certain performance investigation on hybrid $\text{TiO}_2/\text{Al}_2\text{O}_3/\text{MoS}_2$ nanofiller coated 3ϕ induction motor: A Taguchi and RSM based approach

R. Rajesh ^{a,*}, S. Sumathi ^b^a Department of Instrumentation and Control Engineering in Sri Krishna College of Technology, Coimbatore, 641042, India^b Department of Electrical and Electronics Engineering in Anna University, Regional Campus: Coimbatore, Coimbatore, 641046, India

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Taguchi method
RSM
Efficiency.

ABSTRACT

The generation of heat is one of the main problems in the induction motor because it directly affects the performance, efficiency, speed fluctuations, and lifetime of motors. These entities mainly due to improper insulation of the electrical motors and this will avoid by using proper enamel filled nanofiller insulation. In this paper, a novel hybrid $\text{TiO}_2/\text{Al}_2\text{O}_3/\text{MoS}_2$ based enamel insulation for a 3 phases squirrel cage induction motor was proposed to improve the thermal and electrical properties by using Taguchi and RSM in experimentally. To find an optimal combination of hybrid material $\text{TiO}_2/\text{Al}_2\text{O}_3/\text{MoS}_2$, the four different levels of 0.02, 0.04, 0.08 and 0.1 volume percentage with L16 orthogonal array was proposed. Design matrix, ANOVA, S/N ratio, main effect plot, normal probability plot, and surface plot were measured to analyze the optimum combination of the nanofiller to reduce the heat generation problem in an induction motor. ANOVA result shows the TiO_2 has a significant effect on the thermal withstanding capacity of the induction motor due to its insulation property compared to Al_2O_3 and MoS_2 . A comparison result reveals the hybrid nanocoated induction has better thermal withstanding capacity in the range of 9%–12% compared to normal enamel filled induction motor. This article also analyzes the efficiency and electromagnetic interference of the hybrid nanocoated induction motor.

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Mr Rajesh R, Asst. Professor, Dept. of ICE, published a paper on “Certain Performance Investigation on Hybrid $\text{TiO}_2/\text{Al}_2\text{O}_3/\text{MoS}_2$ Nanofiller Coated Three Phase Induction Motor: A Taguchi and RSM based Approach” in Energy Reports, Elsevier Publications, Impact factor - 3.595, vol.6, pp - 1638-1647.

EEE | PAPER PUBLICATION | IET POWER ELECTRONICS – SCIE INDEXED

IET Power Electronics

Research Article

Broken rotor bar fault detection using Hilbert transform and neural networks applied to direct torque control of induction motor drive

Senthil Kumar Ramu¹, Gerald Christopher Raj Irudayaraj², Saravanan Subramani¹, Umashankar Subramaniam³

¹Department of Electrical and Electronics Engineering, Sri Krishna College of Technology, Coimbatore, Tamilnadu, India
²Department of Electrical and Electronics Engineering, PSNA College of Engineering & Technology, Dindigul, Tamil Nadu, India
³Renewable Energy Lab, Prince Sultan University, Riyadh, Saudi Arabia
E-mail: senthilme90@gmail.com

Abstract: This study proposes a new approach for the detection of broken rotor bar (BRB) fault in three phase induction motor drive using Hilbert transform (HT) and artificial neural networks (ANNs), where the machine is controlled by direct torque control (DTC). HT is preferred to develop the stator current envelope. The sideband frequency and its amplitude of the samples are the input for the ANN. By using fast Fourier transform, the amplitude and frequency components are extracted and the severity of fault is determined by comparing the magnitude of an average of sideband frequency with the fundamental frequency. High accuracy identification of fault is found by ANN, where the results are trained and tested to a minimum mean square error that will detect the number of BRB in the induction motor. DTC is adopted for a suitable control technique in the industrial drives system to maintain good performance in torque control. The performance of the proposed method is verified by using MATLAB/SIMULINK and experimental tests.

1 Introduction

Squirrel cage induction motor (SCIM) occupies 85% of the industry because of reliability, robustness, and low cost. For the energisation of induction motor (IM), the constant frequency supplies or adjustable speed AC drives are mostly preferred. Hence, it is very essential to maintain IM healthy to preserve industries running well [1, 2]. Mostly electromechanical devices, which are considered as highly consistent, are susceptible to too many faults that become destructive and cause production shutdowns. In this respect, there are two major categories of faults in the machine. Electrical faults such as stator side 30-40% and rotor side 5-10%. Mechanical related faults like bearing faults and air-gap eccentricity fault (40-50%) [3]. Rotor failures result from a mixture of different stresses which occur on the rotor. For thermal, electromagnetic, dynamic, mechanical, and environmental components, they will damage the rotor bars. Broken rotor bar (BRB) fault produces fluctuations and reduces the amplitude of the torque. As a result, they can develop mechanical vibrations and greater fluctuations, which can lead to harmful effects on the machine [4]. Increased number of broken bars creates a high impact on the rotor side during the open-loop drive system [5-7]. To avoid the above issues, the fault detection and diagnosis method play a vital role to protect the AC drives.

Direct torque control (DTC) will become an industry standard for accurate torque control [8] applications, because it has easy, quick response control, no coordinate transform, and current controllers. The torque is directly controlled by controlling the angle of rotation in the flux linkage vector and the amplitude. In this paper, the closed-loop DTC is considered and the effective geometry of the multi-winding model in the rotor is developed for the diagnosis of the intended BRB fault [9, 10].

To detect the fault in the machine, many signal processing techniques are investigated. The first technique is focused on temperature, noise, vibration evaluation [11, 12]. This method is expensive, and the installation is very sensitive to noise. The second approach is motor current signature analysis which categorises each type of defect by its signature of the spectrum [13]. This method has some advantages, such as, uses one current sensor for the machine and it is based entirely on the straight

forward signal processing method, fast Fourier transform (FFT). FFT is a suitable method for BRB fault detection while the motor operates only in steady-state conditions like constant supply frequency. This technique is used to find spectrum signatures by investigating components around the essential frequency [14]. However, this technique is regularly tough to detect sideband frequencies because of overlap in fundamental operating frequency. By taking time-domain specifications, the effectiveness and accuracy of FFT are affected. To avoid FFT drawback, the advanced signal processing methods such as wavelet transform (WT), short time Fourier transform, and Hilbert transform (HT) are required. One or more methods of signal processing can be combined, else prefer artificial intelligence techniques to achieve an accurate fault detection process. In [15], the author proposed the various signal processing techniques under the BRB failure condition.

HT is a time-frequency signal processing tool, and it is one of the predominant high-frequency rotor fault diagnostic techniques [16]. By using HT, low sensitivity to different motor loading performance also analysed [17]. In [18, 19], the fault analysis is based on the extraction of stator current envelope by using HT. The envelope provides information about the low frequency component, which helps to detect fault accurately. To test the detection method, single and multiple BRBs fault conditions are tested under dynamic operating conditions.

Automatic identification of the fault status after extracting the information is required [20]. In [21, 22], the fault diagnosis using neural networks is utilised. Artificial neural network (ANN) is providing the solution for complex problems, the hidden relationships among the validated data, and also capable of predicting the system performance. To solve the problem of fault detection and diagnosis, the neural networks are handled with continuous input variables, and the supervised learning [23].

Bessam *et al.* [23] combined HT and NN to realise the BRB fault detection under low load. However, this method is approached in an open-loop drive application. In this paper, fault detection in closed-loop DTC is proposed for variable speed and torque operation. The proposed system block diagram is shown in Fig. 1.

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1



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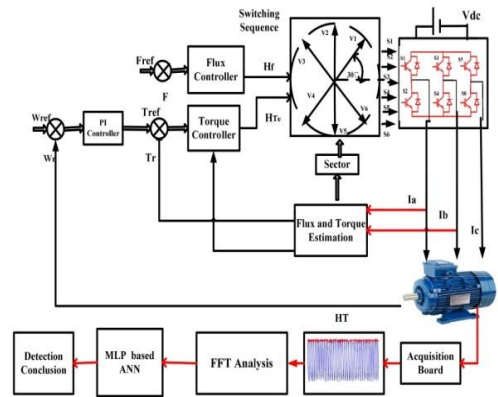


Fig. 1 Proposed block diagram of fault detection in DTC fed IMD

The key objective of this paper is to detect BRB fault by using HT and ANN when the induction motor drive (IMD) operates in closed-loop DTC under the dynamic condition. The DTC control provides dynamic speed accuracy equivalent to closed-loop AC system and quick torque response. The evaluation of the severity of fault is calculated by comparing the magnitude of sideband frequency with the fundamental frequency. After extraction of signal from HT, the signal is processed through FFT to extract faulty components of frequency from the envelope of the stator current. The amplitude and the harmonic frequency are taken as the input of neural network and target values are assigned in online training for efficient diagnosis of BRB fault.

This paper has been organised as follows. The mathematical modelling of BRB failure motor is given in Section 2. Section 3 deals with the analysis of DTC-based IMD for a healthy and faulty motor. The BRB fault diagnosis using HT and ANN is addressed in Section 4. Section 5 illustrates results and discussions for fault detection. Section 6 gives about discussions of the proposed work and Section 7 discusses the conclusions of the BRB fault detection.

2 Faulty model of broken rotor bars

To estimate the impact of the BRB fault, the reduced model is developed in [24]. Due to a large number of equations, the extended Park's transformation for rotor carried out, to remodel the system with *N* phases in *d, q* reference frame, and presented here. The canonical form of the remodelling system is

$$[L] \frac{d[I]}{dt} = [V] - [R][I] \quad (1)$$

where

$$[L] = \begin{bmatrix} L_w & 0 & -\frac{Nr}{2} G_{sr} & 0 & 0 \\ 0 & L_w & 0 & -\frac{Nr}{2} G_{sr} & 0 \\ -\frac{3}{2} G_{sr} & 0 & L_w & 0 & 0 \\ 0 & -\frac{3}{2} G_{sr} & 0 & L_w & 0 \\ 0 & 0 & 0 & 0 & L_r \end{bmatrix} \quad (2)$$

$$[R] = \begin{bmatrix} R_s & -\omega_r L_w & 0 & \frac{Nr}{2} \omega_r G_{sr} & 0 \\ \omega_r L_w & R_s & -\frac{Nr}{2} G_{sr} & 0 & 0 \\ 0 & 0 & [R_{dd}] & [R_{dq}] & 0 \\ 0 & 0 & [R_{dq}] & [R_{dd}] & 0 \\ 0 & 0 & 0 & 0 & R_r \end{bmatrix} \quad (3)$$

The stator inductance is the addition of the leakage as well as magnetising inductances

$$L_w = L_{\sigma} + L_m \quad (4)$$

The magnetising inductance

$$L_m = 4 \frac{N_r^2 r}{e} \frac{l}{p} \quad (5)$$

The stator and rotor mutual inductances are

$$G_{sr} = \left(\frac{4}{\pi} \right) \left(\frac{N_r}{e} \right) N_s \cdot r \cdot \text{Isit} \left(\frac{\theta}{2} \right) \quad (6)$$

The rotor inductance is

$$L_r = L_{\sigma r} - G_{sr} + 2 \frac{L_m}{N_r} + 2L_r(1 - \cos \alpha) \quad (7)$$

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2

Dr S Saravanan and Mr R Senthilkumar, Asst. Professors, Dept. of EEE, published a SCIE Paper on “Broken Rotor Bar Fault Detection using Hilbert Transform and Neural Networks Applied to Direct Torque Control of Induction Motor Drive” in IET Power Electronics Journal.

MECH | PAPER PUBLICATION

Design of single drive transmission system for mecanum wheels

AIP Conference Proceedings 2271, 030033 (2020); <https://doi.org/10.1063/5.0025205>

Prince Muthiah^{1,a)}, S. A. Sri Akilan^{1,b)}, A. Sugumar², S. Sasidhar², and N. S. Vishnuram²

[View Affiliations](#)



PDF



E-READER

ABSTRACT

TOOLS

ABSTRACT

The omnidirectional drive is the method of achieving the holonomic motion, which allows the system to move in any direction without changing the orientation of the vehicle and achieving the zero radii of rotation. The proposed transmission system enables the vehicle to achieve holonomic motion using Omni wheels in a single drive. This paper presents the development of the transmission system for achieving omnidirectional motion by using mecanum wheels. The system uses four mecanum wheels to achieve the movement in all

Dr M Prince, Professor, Mr S A Sri Akilan, Mr A Sugumar, Mr S Sasidhar and Mr N S Vishnuram, Students of B.E. Mechanical Engineering, published a paper on "**Design of Single Drive Transmission System for Mecannum Wheels**" in AIP Conference Proceedings on 28 September 2020.

SPECIAL EDITION - 19

NEW VISTAS OF LEARNING



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CSE | WEBINAR ON CALL FOR PROJECTS - SUBMIT PROJECTS TO SEEK SUPPORT

Type of Organisations La Fondation will support

Schools and Universities Research institutes Non-profit Organisations for popularization of sciences

Type of projects that can be supported by La Fondation

Non-commercial projects that can:

Transform the way we learn	Transform the way we discover	Transform the way we preserve
Contribute to education transformation Development of 3D / Digital learning content	Develop young people's vocation for engineering jobs	Encourage scientific research
		Protect and increase value of the intellectual heritage of Humanity

Using 3D Technology

Project Selection Process

Call for projects Receive Proposals Verify Conformation with framework Selection Committee Legal and Tax compliance Review Board Contract Signing

- the nature of the impact
- the innovative and inspirational model
- Extent of digital content and learning experience creation
- use of 3D technology
- its spirit of sharing

La Fondation Dassault Systèmes | Support Available

La Fondation Dassault Systèmes

Funding Content Skills Through Employee Volunteering

Beneficiaries

Dr P Tamijeselvy, Professor, Dr M Deva Priya and Dr S Siamala Devi, Assoc. Professors, Dept. of CSE, attended a webinar on “Call For Projects - Submit Projects To Seek Support” organised by La Fondation Dassault Systemes on 28 September 2020.

MECH | WEBINAR ON KANAVU MEIPADA



CERTIFICATE OF PARTICIPATION

This Certificate is Proudly Presented to

PRADEEPKUMAR S

for Participating in Interactive Live Webinar



Mrs. Vanathi Srinivasan

Vice President
Bharathiya Janatha Party

KANAVU MEIPADA

(INSPIRING TALK SERIES - 4)

Organised by

INNOVATIVE SERVICES




Mr. N. Venkatesh

Founder
Innovative Services


On
26th September, 2020 (Sat)

Mr S Pradeepkumar, Student of Third B.E. Mechanical Engineering, attended a webinar on “**Kanavu Meipada**” organised by Innovative Services on 26 September 2020.

MECH | WEBINAR ON RECENT TRENDS IN MECHANIZATION OF AGRICULTURE







NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC, Recognized by UGC under Section 2(f) and 12(B)
NBA Accredited Courses (UG): Aero, Mech & CSE
'Nehru Gardens', Thirumalayampalayam, Coimbatore-641 105.




Department of Mechatronics Engineering


Certificate of Participation

This is to certify that Arunkarthick P, Assistant Professor of Sri Krishna College of Technology has actively participated in the National Level Webinar on “Recent Trends in Mechanization of Agriculture” organized by the Department of Mechatronics Engineering, Nehru Institute of Engineering and Technology, Coimbatore on 01st October 2020.

 Dr. P. RAGHUNAYAGAN Coordinator	 Dr. M. MAHESWARAN Coordinator	 Dr. S. SELVAM HOD/MCT	 Dr. P. MANIWARAN Principal
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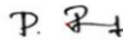

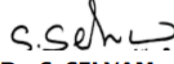

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(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC, Recognized by UGC under Section 2(f) and 12(B)
NBA Accredited Courses (UG): Aero, Mech & CSE
'Nehru Gardens', Thirumalayampalayam, Coimbatore-641 105.



Department of Mechatronics Engineering

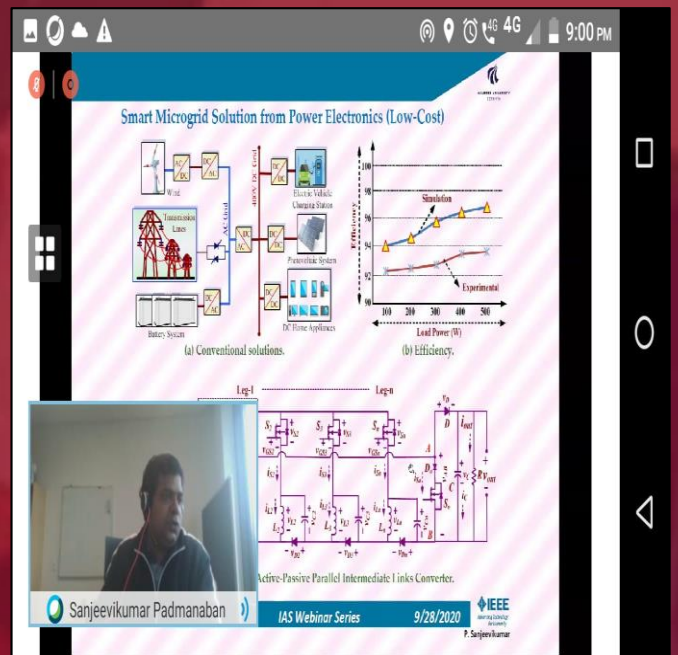
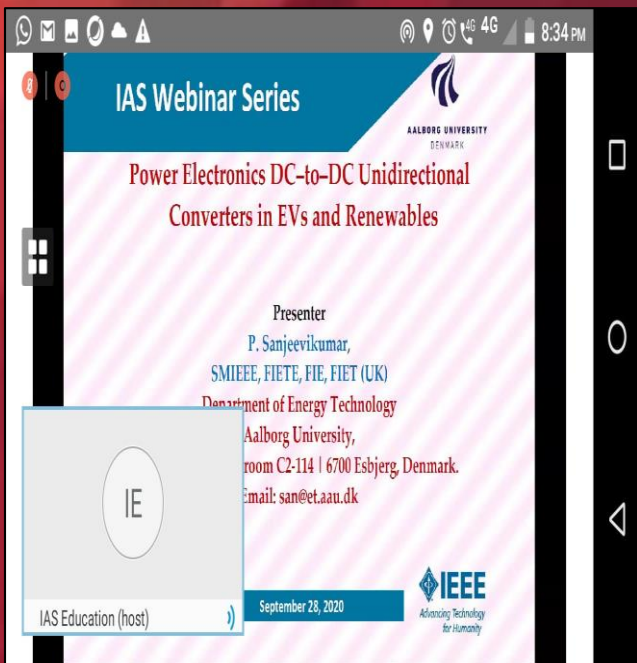
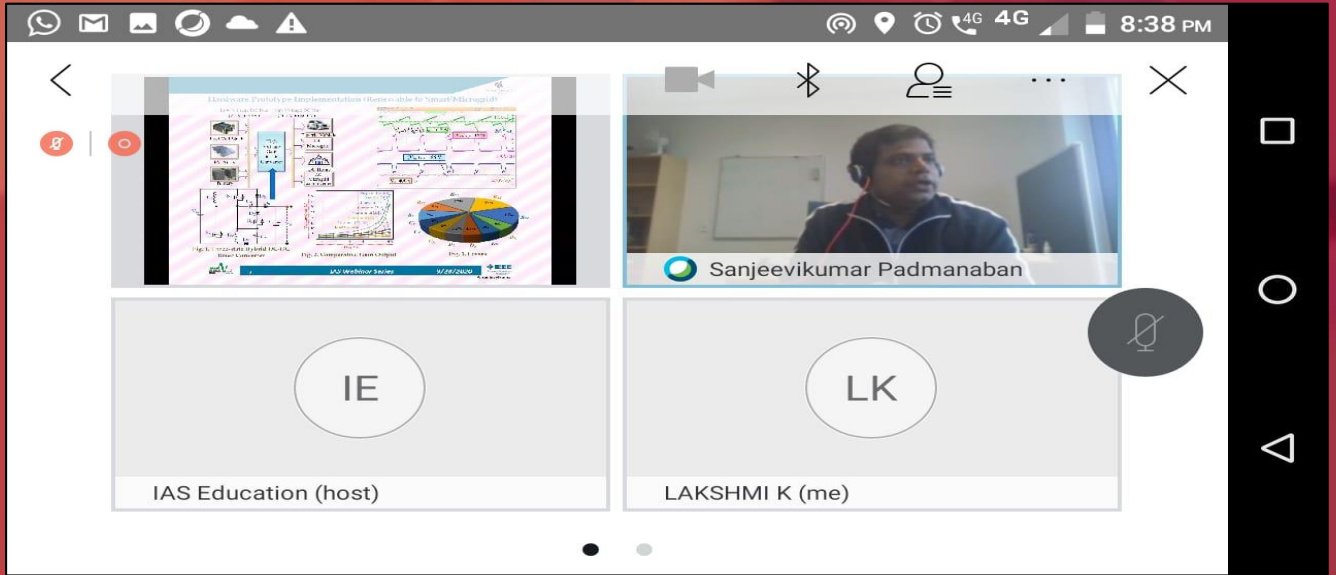
Certificate of Participation

This is to certify that Mr. Ram Kumar S, Assistant Professor of Sri Krishna College of Technology has actively participated in the National Level Webinar on “Recent Trends in Mechanization of Agriculture” organized by the Department of Mechatronics Engineering, Nehru Institute of Engineering and Technology, Coimbatore on 01st October 2020.

 Dr. P. RAGHUNAYAGAN Coordinator	 Dr. M. MAHESWARAN Coordinator	 Dr. S. SELVAM HOD/MCT	 Dr. P. MANIWARAN Principal
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Mr S Ram Kumar and Mr P Arunkarthick, Asst. Professors, Dept. of Mechanical Engineering, attended a webinar on “Recent Trends in Mechanization of Agriculture” organised by Nehru Institute of Technology, Coimbatore on 01 October 2020.

EEE | WEBINAR ON POWER ELECTRONICS DC-DC UNIDIRECTIONAL CONVERTERS IN EV AND RENEWABLE



Dr K Lakshmi, Professor and Head, Dept. of EEE, attended a webinar on “Power Electronics DC – DC Unidirectional Converters in EVs and Renewable” organised by IEEE-IAS Education on 28 September 2020.

SPECIAL EDITION - 19

WORKSHOPS ATTENDED



@skctdigest



@skctofficial




digestfeedback@skct.edu.in

IT | WORKSHOP ON GETTING ALIGNED TO THE PUBLISHING PROCESS

REC
A typical publishing workflow


What Editors want?

1. Paper is scientifically correct
2. If it reports something new
3. If it reports something significant
4. If the paper is of interest to the readers



Top reasons for rejection by an Editor are:

1. Topic of research not trending/not impactful
2. Poorly written abstract: Language errors
3. Too many/irrelevant Self-cites
4. Poor geographical distribution of citations
5. Recent/Older articles not cited
6. Leading scientists/top journal articles not cited



Author

START

Submit a paper

Revise the paper

Editor

Basic requirements met?

Assign reviewers

Collect reviewers' recommendations

REJECT

Make a decision

ACCEPT

Reviewer

Review and give recommendation

Gupta, Vishal (ELS-DEL)'s screen

Elsevier products are integral to the research workflow

Researcher-centricity as the key concept behind our active products – looking at the whole picture of the researcher's













Current awareness

Apply for grants

Search & discover

Read & evaluate FTA's

Share, collect & store

Write

Submit

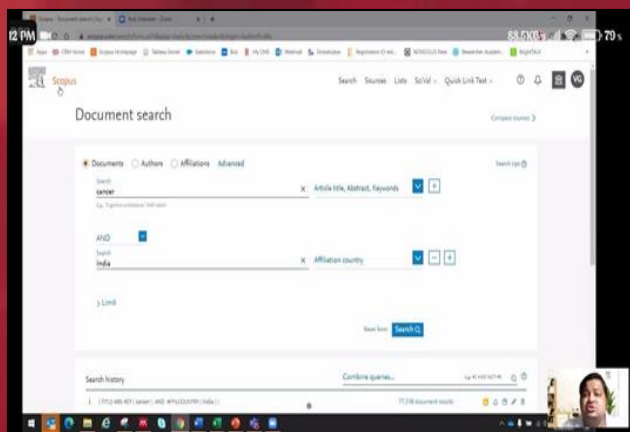
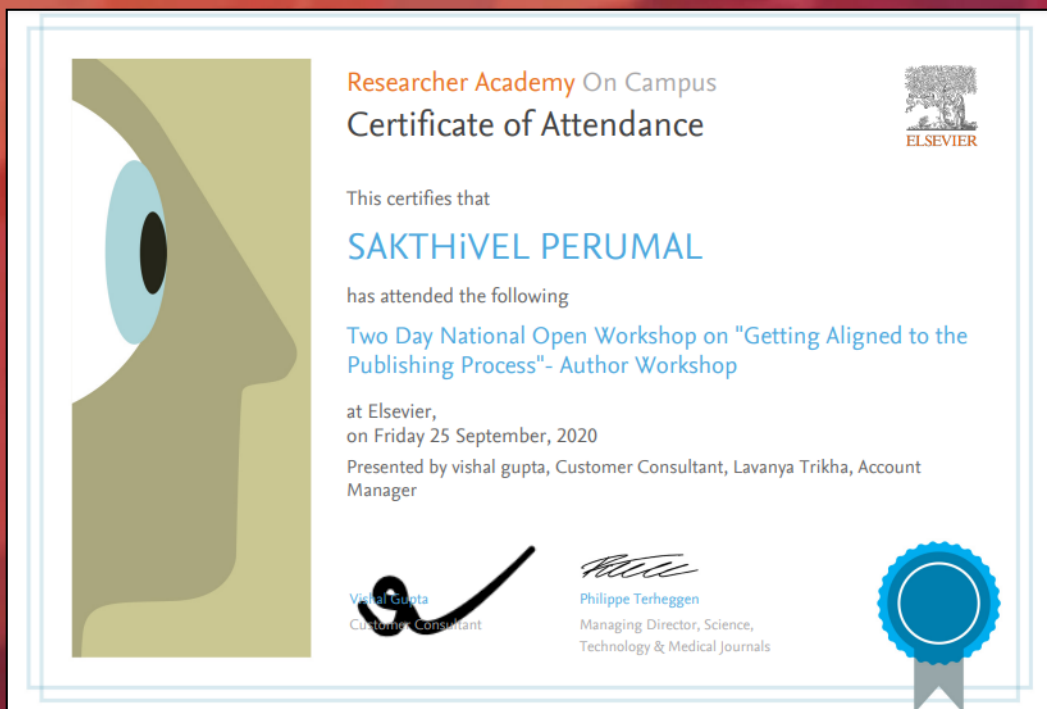
Review & publish

Manage my career & network

Researcher-centricity is the key concept behind our activities and products – looking at the whole picture of the researcher's workflow!

Dr D Jeyabharathi and Ms S Muthulakshmi, Asst. Professors, Dept. of IT, attended a Two-day National Open Workshop on "Getting Aligned to the Publishing Process" organised by Elsevier during 25-28 September 2020.

MECH | WOKSHOP ON GETTING ALIGNED TO THE PUBLISHING PROCESS



Dr P Sakthivel, Assoc. Professor, Dept. of Mechanical Engineering, attended a Two-day National Open Workshop on “**Getting Aligned to the Publishing Process**” organised by Elsevier on 25 September 2020.

ECE | WORKSHOP ON GETTING ALIGNED TO THE PUBLISHING PROCESS

Researcher Academy On Campus Certificate of Attendance



This certifies that

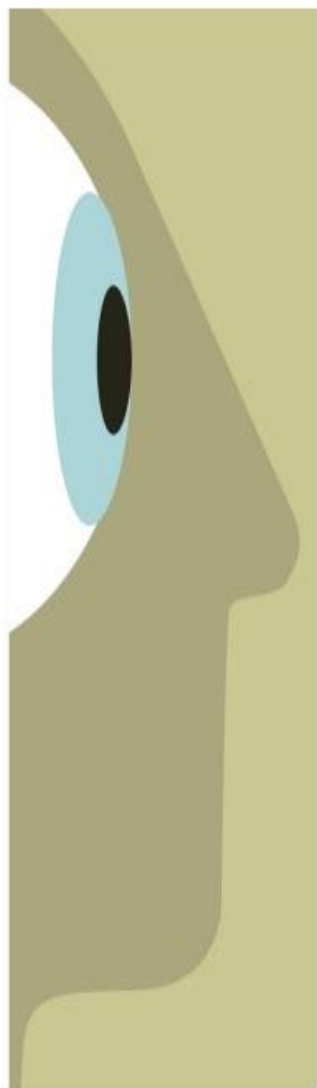
Thirrunavukkarasu R R

has attended the following

Two Day National Open Workshop on "Getting Aligned to the Publishing Process"- Author Workshop

at Elsevier,
on Friday 25 September, 2020

Presented by vishal gupta, Customer Consultant, Lavanya Trikha, Account Manager




Vishal Gupta
Customer Consultant


Philippe Terheggen
Managing Director, Science,
Technology & Medical Journals



Mr R R Thirrunavukkarasu, Asst. Professor, Dept. of ECE, attended a workshop on **“Getting Aligned to the Publishing Process”** organised by Elsevier on 25 September 2020.

SPECIAL EDITION - 19

FDPs ATTENDED



**Faculty
Development
Program**



@skctdigest

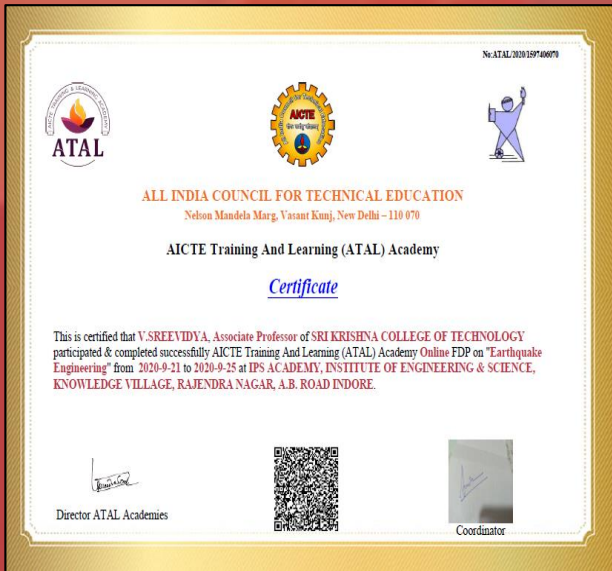


@skctofficial



digestfeedback@skct.edu.in

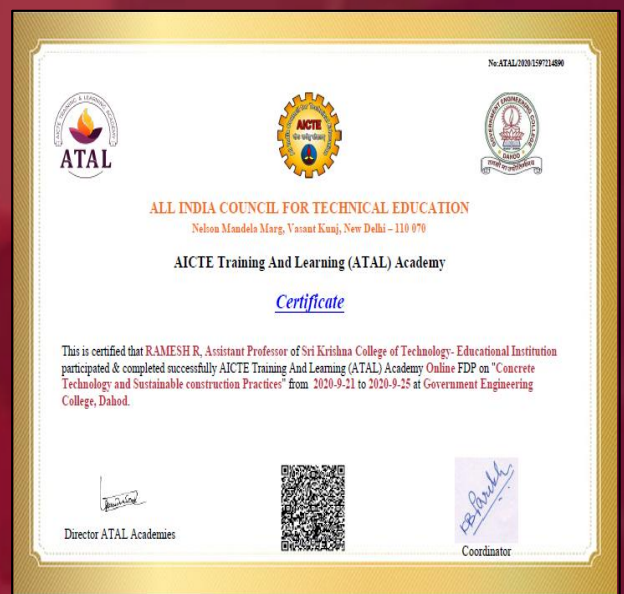
CIVIL | FACULTY PARTICIPATION IN ATAL FDP ON EARTHQUAKE ENGINEERING



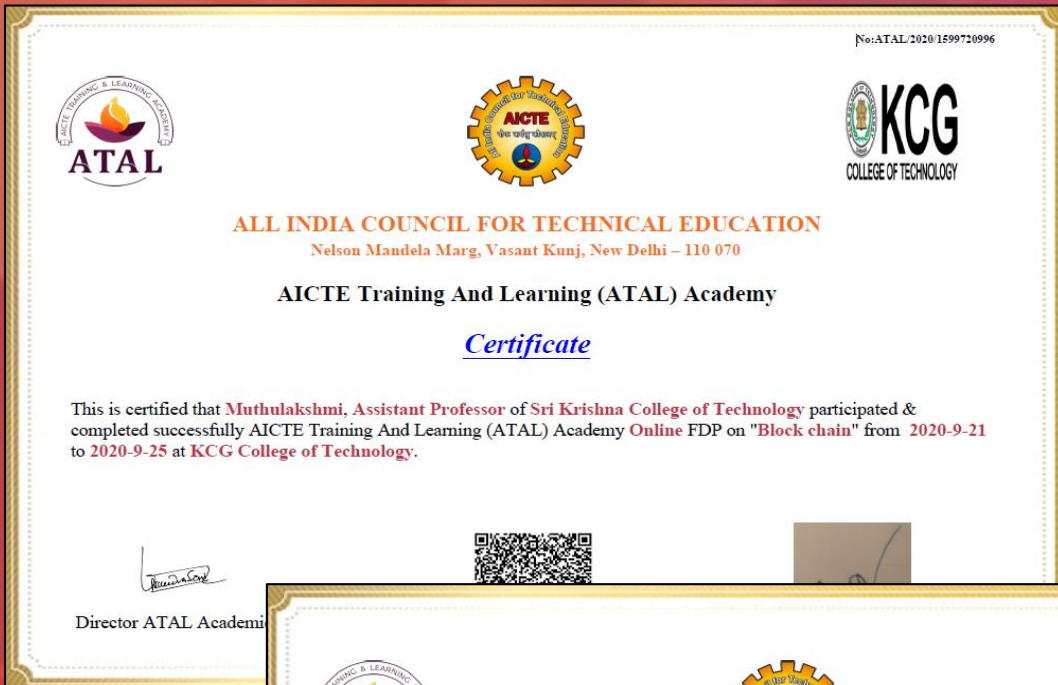
Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering, attended the ATAL Online FDP on **“Earthquake Engineering”** organised by IPS Academy Institute of Engineering and Sciences, Indore during 21-25 September 2020.

CIVIL | ATAL FDP ON CONCRETE TECHNOLOGY AND SUSTAINABLE CONSTRUCTION PRACTICES

Mr R Ramesh, Asst. Professor, Dept. of Civil Engineering, attended the ATAL online FDP on **“Concrete Technology and Sustainable Construction Practices”** organised by Government Engineering College, Dahod during 21-25 September 2020.



IT | ATAL FDP ON BLOCKCHAIN



Ms K Mythili and Ms S Muthulakshmi, Asst. Professors, Dept. of IT, attended the AICITE Training and Learning (ATAL) Academy online Faculty Development Programme on “**Blockchain**” organised by KCG College of Technology, Chennai during 21-25 September 2020.

IT | ATAL FDP ON MEDICAL IMAGE PROCESSING AND DEEP LEARNING TECHNOLOGIES



Dr R Suganya, Asst. Professor, Dept. of IT, attended the AICTE Training and Learning (ATAL) Academy online Faculty Development Programme on “Medical Image Processing and Deep Learning Technologies” organised by Panimalar Institute of Technology, Chennai during 21-25 September 2020.

IT | FDP ON DATA SCIENCE AND ITS APPLICATIONS IN STEM



Ms P Alaguvathana, Asst. Professor, Dept. of IT, attended an online Faculty Development Programme on “Data Science and its Applications in STEM” organised by Andhra University, Andhra during 07 - 21 September 2020.

ECE | FDP ON ADVANCEMENTS IN SIGNAL PROCESSING AND OPTIMIZATION TECHNIQUES IN WSN



TEQIP-III Sponsored Faculty Development Programme

on

*Advancements in Signal Processing and Optimization
Techniques in WSN*

Organised By

Rajasthan Technical University, Kota

Poornima College of Engineering, Jaipur



Certificate of Participation

Ref No./RTU/TEQIP-III/F(56)/2020-21/CQ9OPE-CE000083

This is to certify that **DHIVYA PRIYA E L** of “Sri Krishna college of technology Coimbatore” has participated in the one week Faculty Development Programme on “Advancements in Signal Processing and Optimization Techniques in WSN” held from 21/09/2020 to 25/09/2020 at “Poornima College of Engineering, Jaipur”.

Dr. Deepak Bhatia

(Coordinator, RTU ,Kota)

Dr. Anila Dhingra

(Coordinator, PCE, Jaipur)

Dr. Mahesh M Bundeale

(Principal, PCE, Jaipur)

Ms Dhivya Priya E L, Asst. Professor, Dept. of ECE, attended the TEQIP III sponsored FDP on “Advancements in Signal Processing and Optimization Techniques in WSN” organised by Poornima College of Engineering, Jaipur in association with Rajasthan Technical university, Kota during 21-25 September 2020.

ECE | STTP ON TRENDS AND CHALLENGES IN DESIGN AND IMPLEMENTATION OF RECONFIGURABLE ANTENNAS



Ms Dhivya Priya E L, Asst. Professor, Dept. of ECE, attended the AICTE sponsored one week STTP III on “Trends and Challenges in Design and Implementation of Reconfigurable Antennas for Increased Spectrum Access in Cognitive Radio Communication” organised by Velagapudi Ramakrishna Siddhartha Engineering College, Andra Pradesh during 14-19 September 2020.

Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, attended the AICTE sponsored STTP on “Recent Trends and Challenges of Internet of Things in Automation” organised by R M D Engineering College, Chennai during 14-19 September 2020.

ECE | STTP ON RECENT TRENDS AND CHALLENGES OF INTERNET OF THINGS IN AUTOMATION



CSE | FDP ON UNIVERSAL HUMAN VALUES FOR DEEKSHARAMBH (STUDENT INDUCTION PROGRAM)



Dr S Siamala Devi, Assoc. Professor and Ms P Anantha Prabha, Asst. Professor, Dept. of CSE, attended a Five-day Online Faculty Development Programme on “**Universal Human Values for DEEKSHARAMBH (Student Induction Program)**” organised by NIT, Patna during 21-25 September 2020.

S&H | ATAL FDP ON UNIVERSAL HUMAN VALUES



The Members of Faculty from the Dept. of S&H attended a five-day online FDP on **“Universal Human Values for DEEKSHARAMBH (Student Induction Program)”** organised by National Institute of Technology, Patna during 21-25 September 2020.

ICE | ATAL FDP ON CONTROL SYSTEMS & SENSOR TECHNOLOGY



Mr Rajesh R, Asst. Professor, Dept. of ICE, participated in the ATAL FDP on "**Control Systems and Sensor Technology**" organised by Indian Institute of Information Technology, Nagpur during 21-25 September 2020.

SPECIAL EDITION - 19

MEETINGS & DISCUSSIONS



@skctdigest

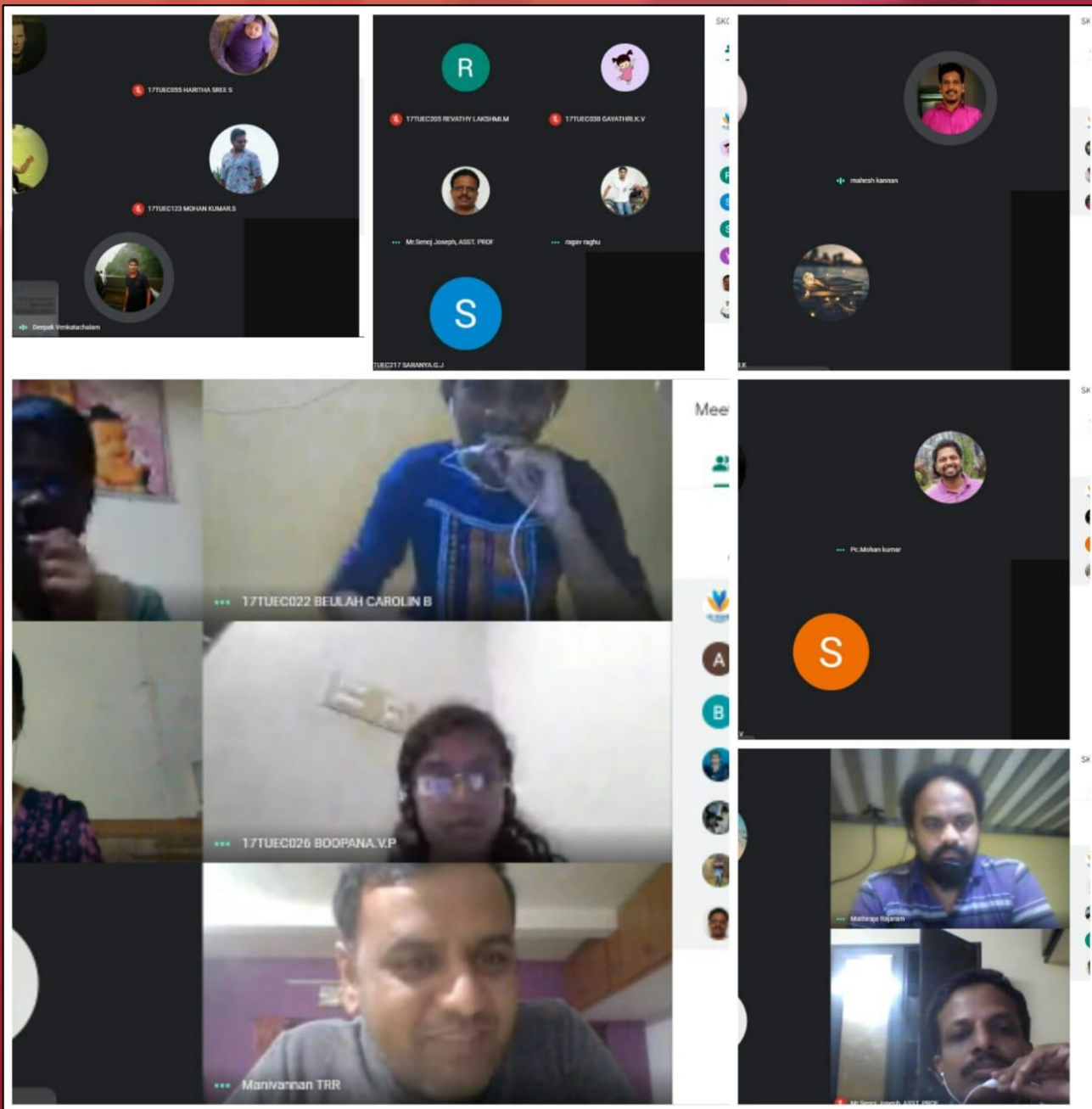


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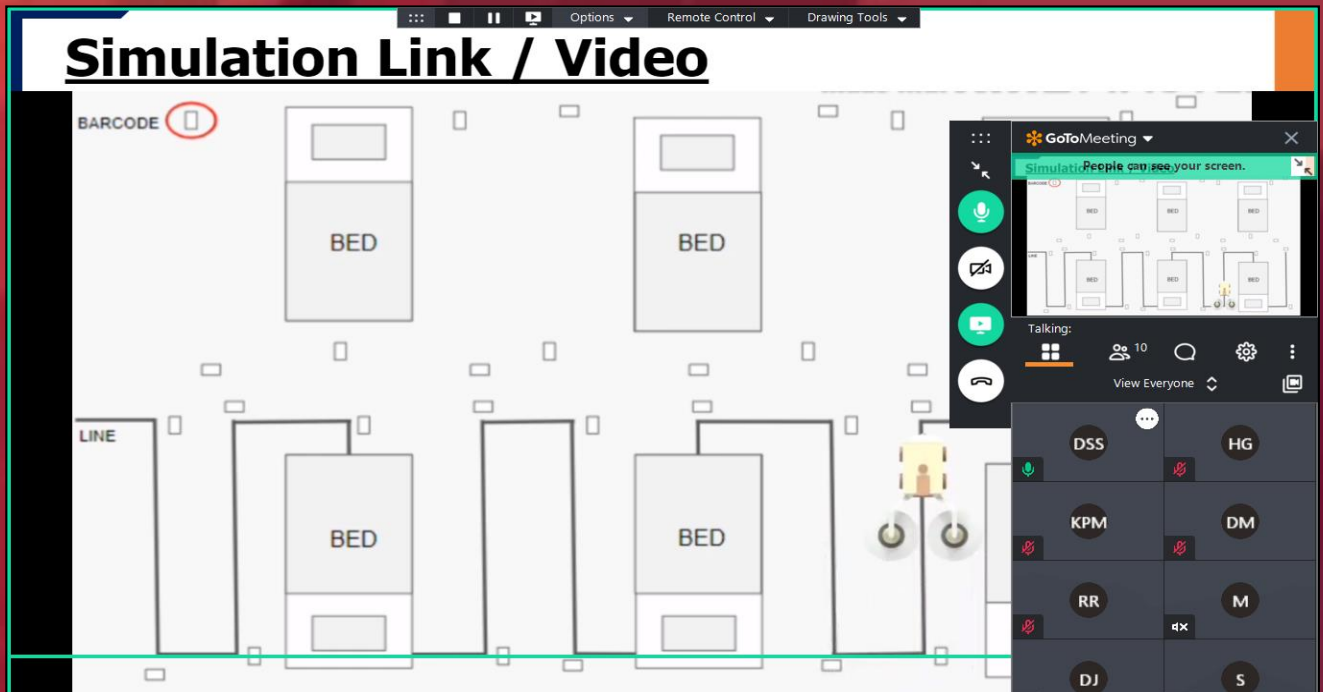
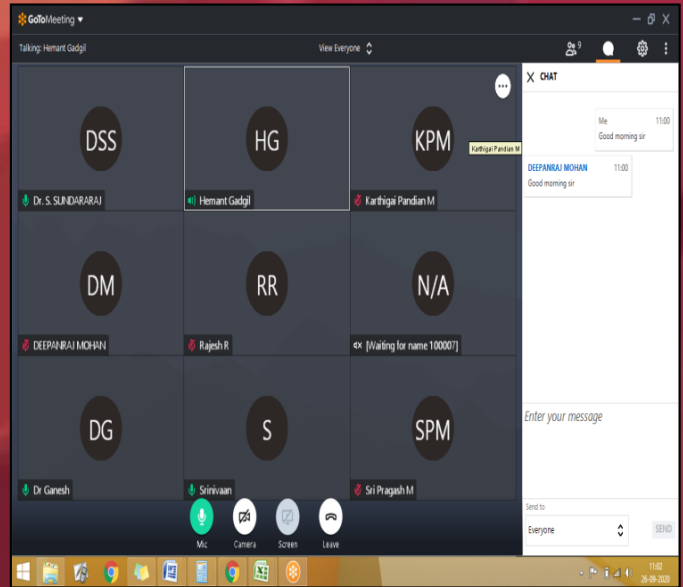
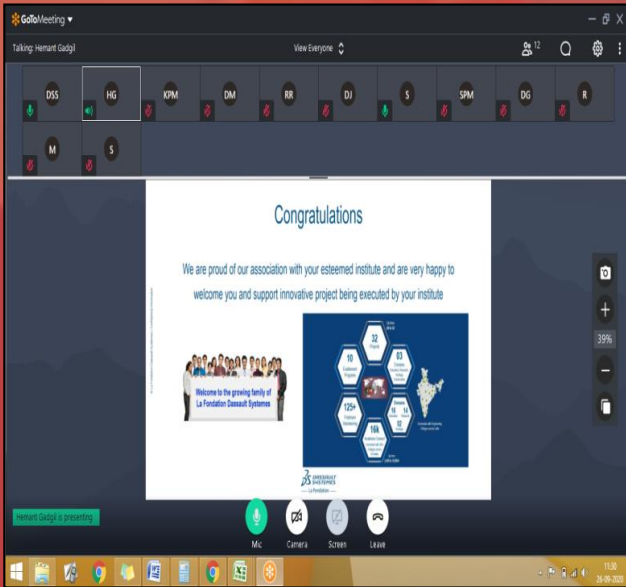
digestfeedback@skct.edu.in

ECE | PLACEMENT PREPARATION | ONLINE MOCK INTERVIEW



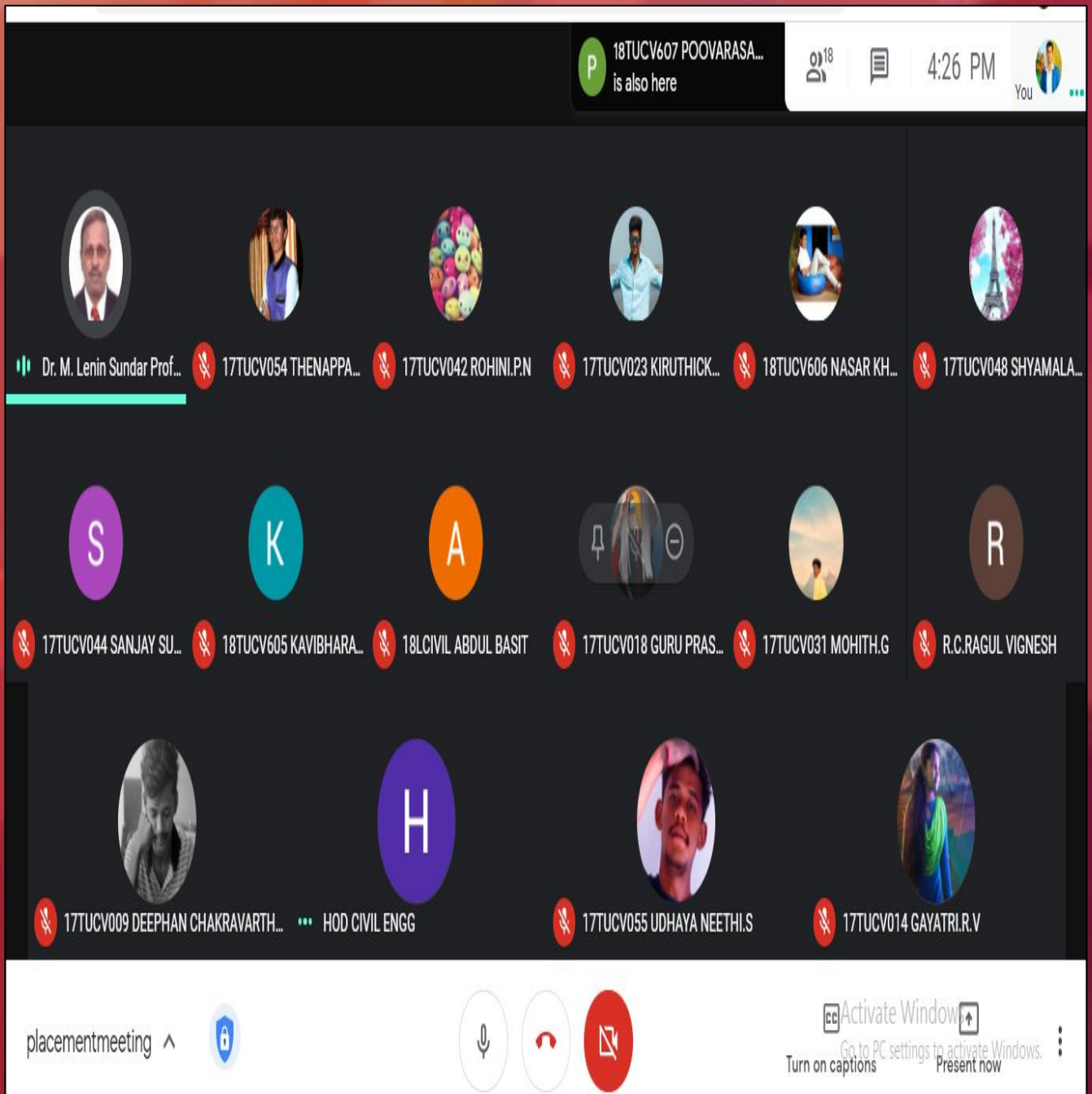
The Dept. of ECE conducted the “**Mock Interview**” for the Students of Final B.E. ECE regarding the Resume Preparation, Self Introduction and the Current Scenario of IT industry on 26 September 2020.

MECH | MEETINGS ON PROJECTS FUNDED BY DASSAULT SYSTEMES LA FONDATION



Dr S Sundararaj, Professor and Students of B.E. Mechanical Engineering, attended the Kick-off meeting with Mr Hemant Gadgil, CEO, Dassault Systemes La Fondation, Pune on 26 September 2020.

CIVIL | PLACEMENT MEETING WITH THE STUDENTS



Dr I Padmanaban, Professor and Head, Placement Coordinator, Dept. of Civil Engineering, conducted a meeting with the Students regarding the level and importance of preparation for the forthcoming drives on 29 September 2020.

ECE | DEPARTMENT MEETING

Ms. E.L.DHIVYAPRIYA Asst Prof ECE

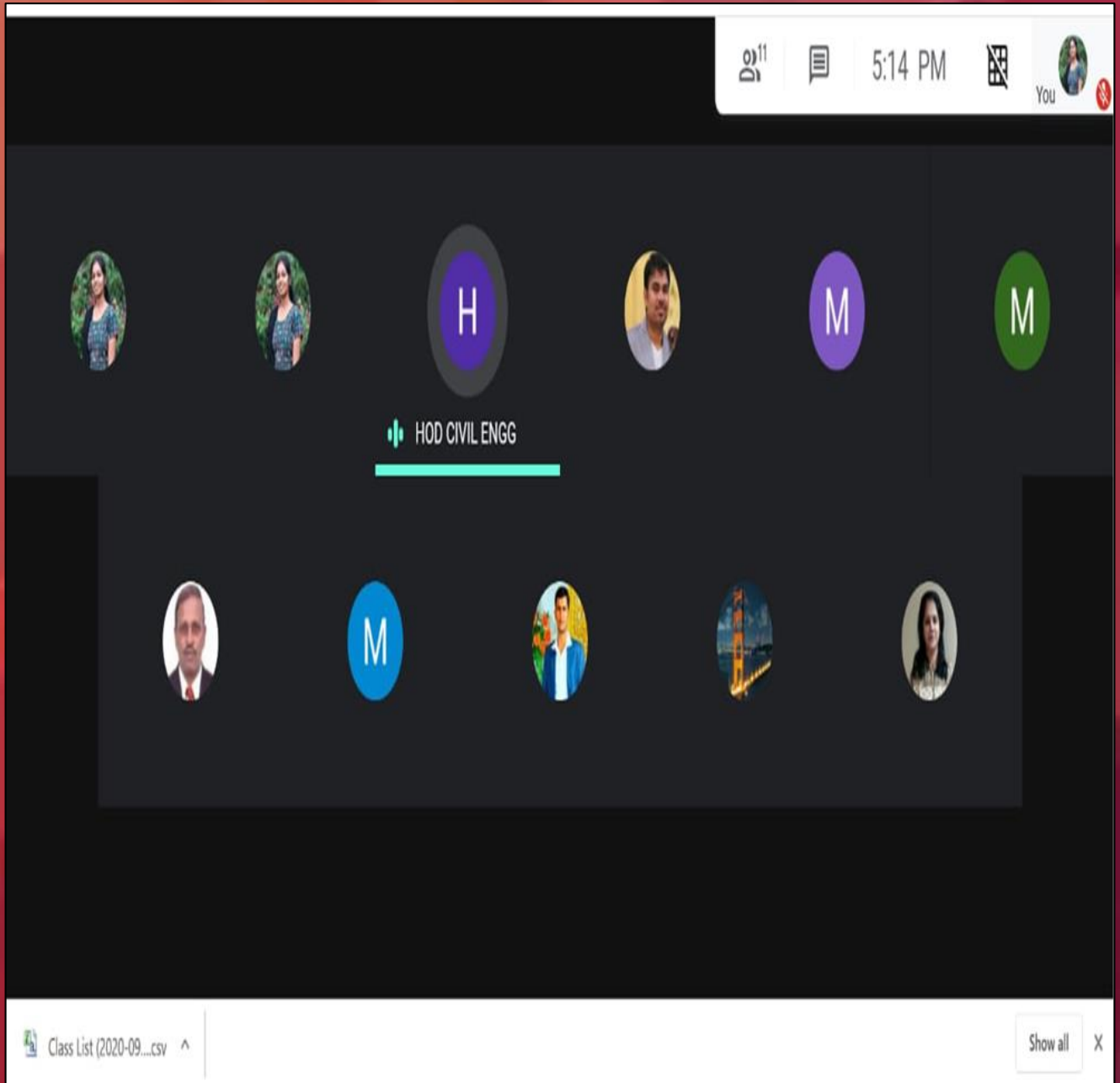
Dr. G. M. Tamilselvan HoD/ECE

Ms. S. Jaipriya Asst Prof ECE

Sumathi K

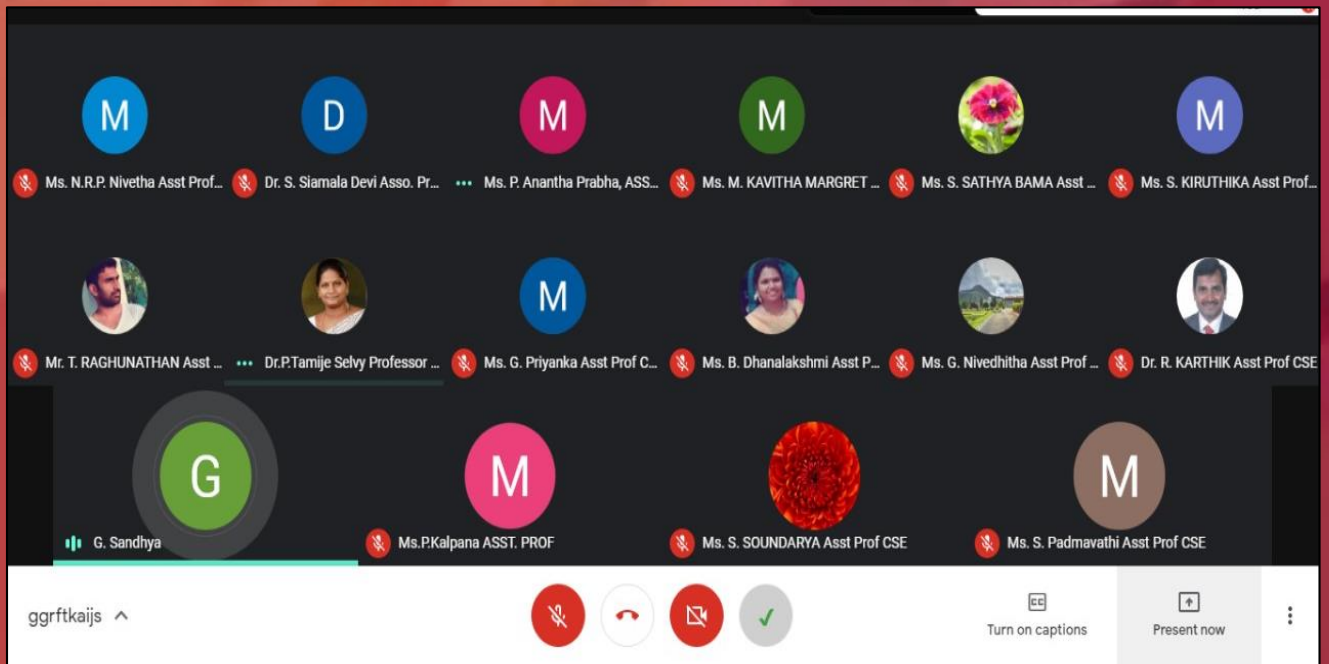
M	Ms.E.L.DHIVYAPRIYA Asst Prof... (me)			>
	Dr. G. M. Tamilselvan HoD/ECE (Host)			>
	Dr K SRINIVASAN			>
JP	Jayarajan. P			>
KS	Kiruthiga sundararaj			>
MS	MALATHY S			>
	Mr. M. Navin Kumar Asst Prof ECE			>
	Mr. S. Ganesh Prabhu Asst Prof ECE			>
MS	Ms. S. Jaipriya Asst Prof ECE			>
M	Ms.G.Anitha, ASST. PROF			>
M	Ms.S.Thenmozhi ASST.PROF			>
M	PRIYA RAMANATHAN			>
	SANTHAKUMAR G			>
KS	Kiruthiga sundararaj			>
MS	MALATHY S			>
	Mr. M. Navin Kumar Asst Prof ECE			>
	Mr. S. Ganesh Prabhu Asst Prof ECE			>
MS	Ms. S. Jaipriya Asst Prof ECE			>
M	Ms.G.Anitha, ASST. PROF			>
M	Ms.S.Thenmozhi ASST.PROF			>
M	PRIYA RAMANATHAN			>
	SANTHAKUMAR G			>
Sumathi K	Sumathi K			>
V	Vadivelu			>
V	VENKATESHKUMAR			>
VN	Vijayalakshmi Nanjappan			>

Mr G M Tamilselvan, Professor and Head, Dept. of ECE, conducted a meeting with the Members of Faculty regarding the Progress of Online Classes, Placement and Research Activities on 17 September 2020.

CIVIL | DEPARTMENT MEETING

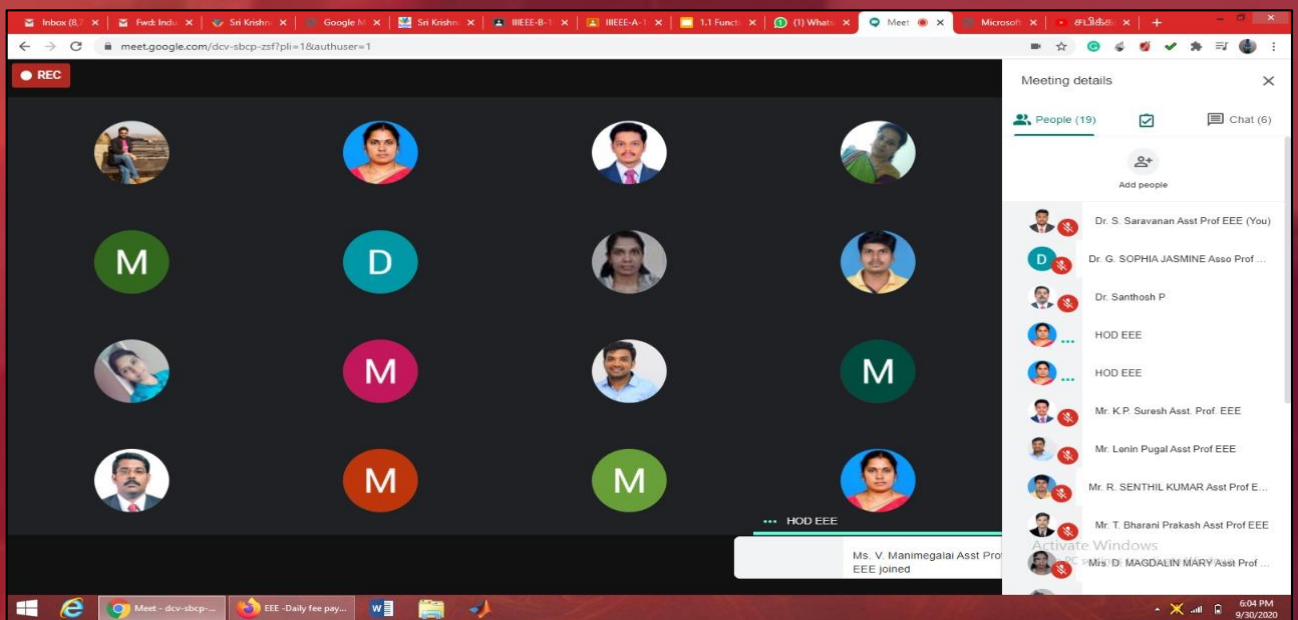
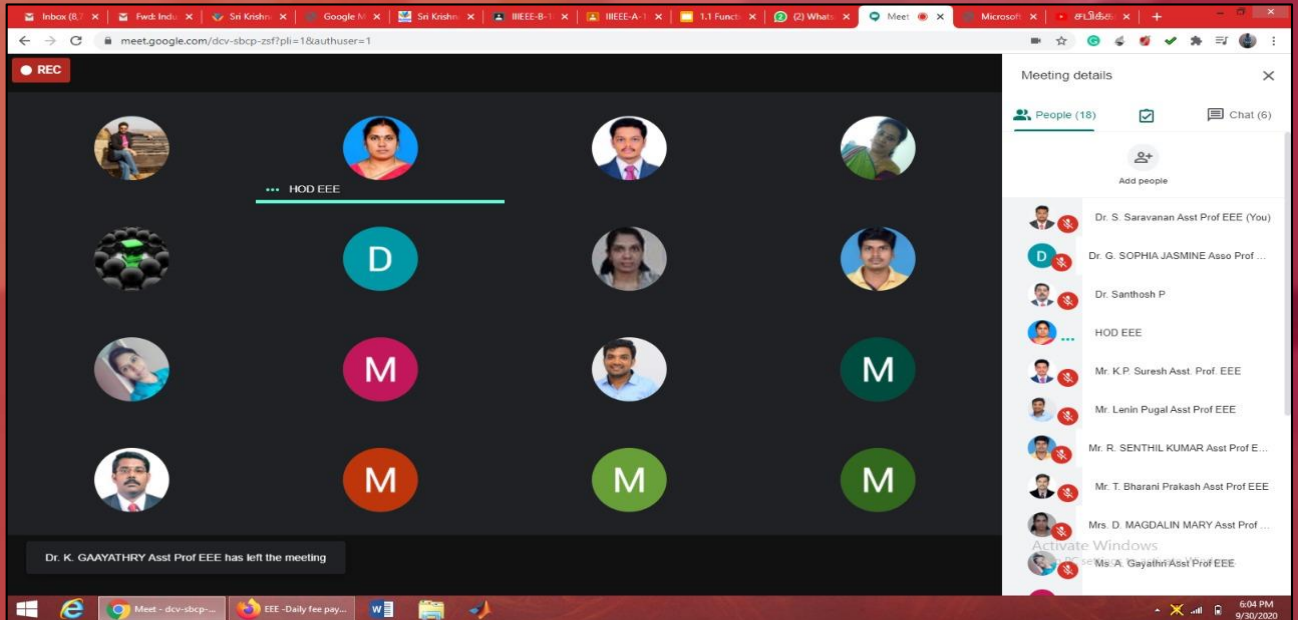
Dr I Padmanaban, Professor and Head, Dept. of Civil Engineering, conducted a meeting with the Members of Faculty regarding Academic Activities, Virtual Labs and Research Progress on 30 September 2020.

CSE | DEPARTMENT MEETING



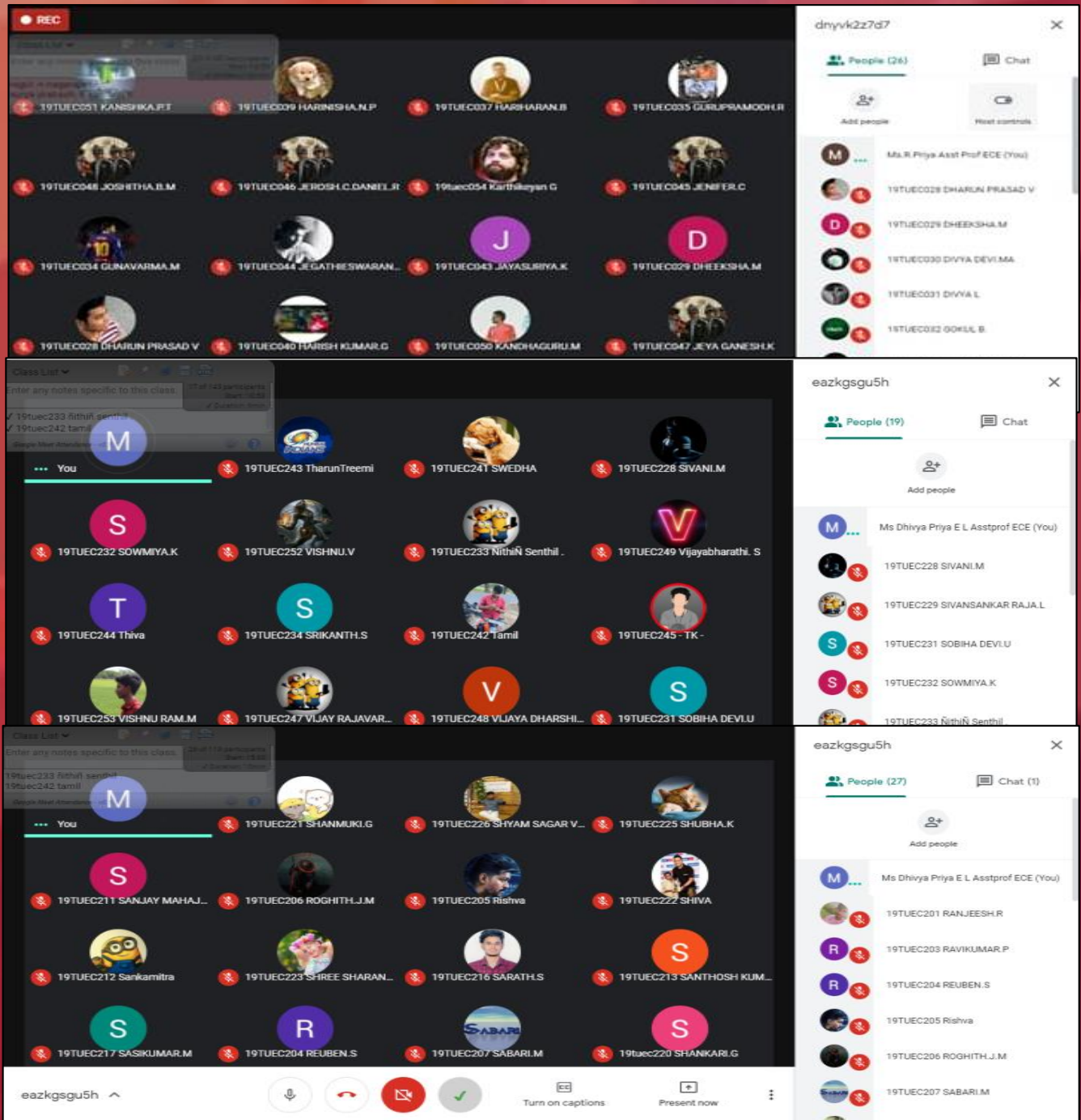
Dr P Tamije Selvy, Professor, Dept. of CSE, conducted a meeting with the Members of Faculty regarding the Academic Activities and Placement Progress on 01 October 2020.

EEE | DEPARTMENT MEETING



Dr K Lakshmi, Professor and Head, Dept. of EEE, conducted a meeting with the Members of Faculty regarding the progress of Placement, R&D Proposal, Journal/Patent Publications, Association/IIC Activities, Conduction of Virtual Labs, Online Classes and Academic Activities on 30 September 2020.

ECE | TUTOR WARD MEETING



The Members of Faculty from the Dept. of ECE conducted the “**Tutor Ward Meeting**” with their respective wards regarding the Participation of Students in Project Contest and NPTEL Registration on 28 September 2020.

SPECIAL EDITION - 19

EVENTS ORGANISED



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@skctofficial



digestfeedback@skct.edu.in

CIVIL | WEBINAR ON PRECAST CONSTRUCTION TECHNIQUES

SRI KRISHNA COLLEGE OF TECHNOLOGY
[An Autonomous Institution | Affiliated to Anna University and Approved by AICTE | Accredited by NAAC with 'A' Grade]
KOVAIPUDUR, COIMBATORE - 641042.

DEPARTMENT OF CIVIL ENGINEERING

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiatives)

Organizing a Webinar on
Precast Construction Techniques

Resource Person

Er. SARGUNAM SANTHANAM
Alumni 2010 - 14 Batch (B.E)
Engineer - Techno Commercial
Katerra India Pvt. Ltd.
Bangalore

DATE
26.09.2020
TIME
05 PM - 06 PM

GOOGLE MEET



A screenshot of a Zoom meeting. The main window shows a presentation slide titled "Key Projects India" with the subtitle "Infosys Phase I and II Electronic City". The slide features two images of Infosys buildings. Below the images, it says "Infosys I | 1,600,000 Sq. Ft. | 10 Months" and "Infosys II | 530,000 Sq. Ft. | 15 Months". A "Stop sharing" button is visible. The bottom of the screen shows a grid of participants' avatars. On the right side, a "Meeting details" panel is open, showing "People (39)" and "Chat (24)". A list of participants is visible, including "Dr. V. Sreevidya ASSOCIATE. PROF (You)", "17TUCV017 GOPKABALAKRISHNAN", "17TUCV028 MADHURMATHILP", "17TUCV041 RITHIK.N.S", "17TUCV044 SANJAY SUBRAMANYAN .S", "17TUCV045 SELVA ILANCHEZHIAN.M", "17TUCV054 THENAPPAN.M", "17TUCV057 VENKKAT RAGHAV S", "18TUCV016 MARUTHAMUTHU P", and "18TUCV005 ANJUSHYAR".

The Dept. of Civil Engineering organised a webinar on “**Precast Construction Techniques**” for the Students of B.E. Civil Engineering on 26 September 2020. Er Sargunam Santhanam, Engineer, Techno Commercial Katerra India Pvt. Ltd, Bangalore facilitated the session.

CSE | WEBINAR ON MODEL-VIEW-CONTROLLER IN WEB DEVELOPMENT

Sri Krishna College of Technology
(An Autonomous Institution Approved by AICTE & Affiliated to Anna University)
Accredited by NAAC with 'A' grade
www.srikrishnacollege.ac.in

Department of Computer Science and Engineering
(Accredited by NBA)

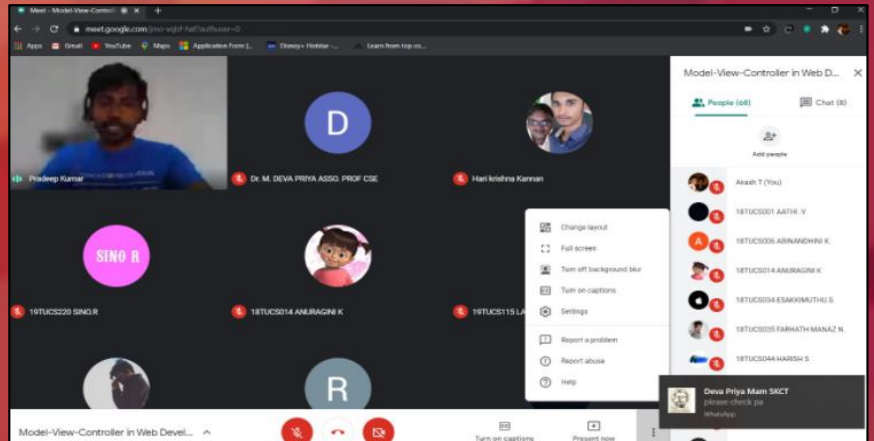
Institution's Innovation Council (IIC)
&
INSTITUTION'S INNOVATION COUNCIL

organizes
Webinar on Model-View-Controller in Web Development

Resource Person

Mr. M. Pradeep Kumar
(CSE Alumnus)
Quality and Automation Engineer
Comcast India Engineering Center LLP
Chennai.

Date: 26th September 2020 **Time: 11.00 Am**



Multi-Tier Layered Architecture - Example

UI Layer (or Presentation Layer)
(Interface may/may not be graphical...)

"Domain" or "Application Logic" Layer
(May/may not need both...)

Services Layer

Persistence Subsystem

Logging Subsystem

Security Subsystem

The screenshot also shows a Google Meet interface with a "REC" button and a list of participants on the right.

The Dept. of CSE organised a webinar on “**Model-view-controller in Web Development**”. Mr M Pradeep Kumar (CSE Alumnus), Quality and Automation Development Engineer, Comcast India Engineering Center LLP, Chennai facilitated the session. Dr M Deva Priya, Assoc. Professor, Dept. of CSE, coordinated the event. Students and the Members of Faculty from the Dept. of CSE attended the session on 26 September 2020.

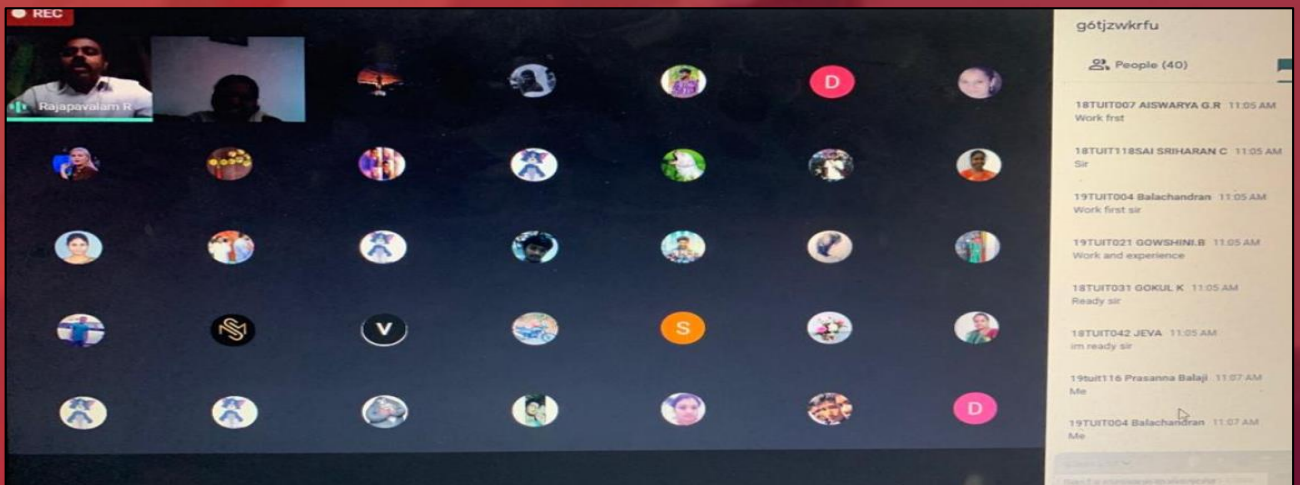
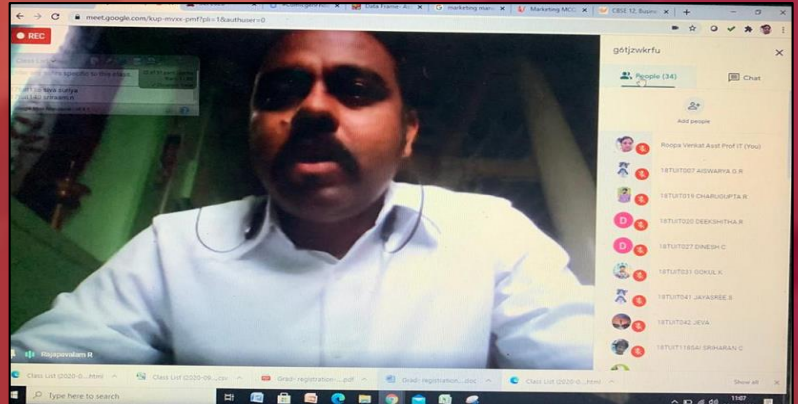
IT | WEBINAR ON EVOLUTION OF STARTUP AND MARKETING STRATEGIES

SRI KRISHNA COLLEGE OF TECHNOLOGY
(An Autonomous Institution)
Accredited by NMAC with 'A' Grade
Affiliated to Anna University
Kovalapur, Coimbatore-641042

Department of Information Technology
&
Institutions' Innovation Council (IIC)
Organizes a
Webinar on
**Evolution of Startup and Marketing
Strategies**

Resource Person
Mr. R Raja Pavalam
(IT Alumnus)
Managing Partner,
Coral Travel Wings - Travel Agency
&
Coral Supermart - Online Grocery App

Date: 26.09.2020 Timing: 11 am
Google Meet - <https://meet.google.com/fookup/g6tjzwrkfu>
E-certificate will be provided for participants.



The Dept. of Information Technology and Institution's Innovation Council organised a webinar on **"Evolution of Startup and Marketing Strategies"**. Mr R Raja Pavalam (IT Alumnus), Managing Partner, Coral Travel Wings - Travel Agency & Coral Supermart - Online Grocery App, Madurai facilitated the session. Dr R Kanmani, Assoc. Professor, Dept. of IT coordinated the event. The Members of Faculty and Students from B.Tech. IT attended the session on 26 May 2020.

ECE | WEBINAR ON HANGOUT WITH SUCCESSFUL ENTREPRENEUR

SRI KRISHNA COLLEGE OF TECHNOLOGY
[AN AUTONOMOUS INSTITUTION]
(APPROVED BY AICTE, AFFILIATED TO ANNA UNIVERSITY)
KOVAIPODIUR, COIMBATORE-641022

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(ACCREDITED BY NBA)

INSTITUTION'S INNOVATE COUNCIL (IIC)

INSTITUTION'S INNOVATION COUNCIL
[AN AUTONOMOUS INSTITUTION]

JOINTLY ORGANIZING AN INTERACTIVE SESSION
HANGOUT WITH SUCCESSFUL ENTREPRENEUR

RESOURCE PERSON
Mr. ASWIN KASHYAP RAGHURAMAN
FOUNDER - PROPRIETOR
BOWCHOW SUPERDOGS

DATE: 26.09.2020 (SATURDAY) | TIME: 10 TO 12.00 PM (NOON)
<https://meet.google.com/jbm-yycs-um>

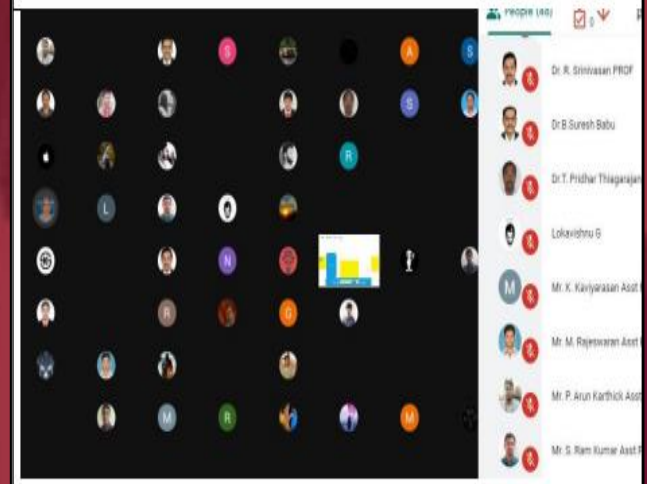
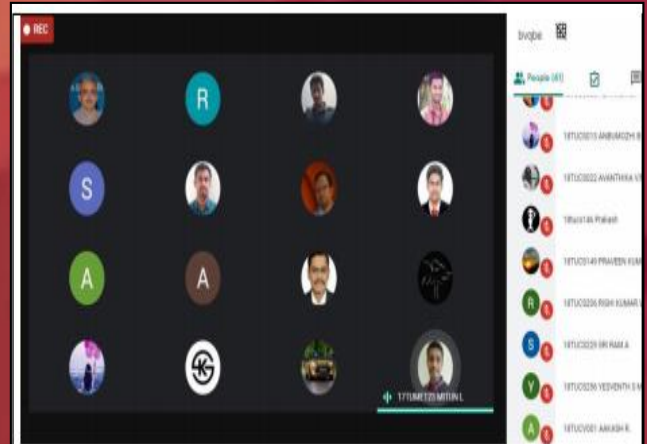
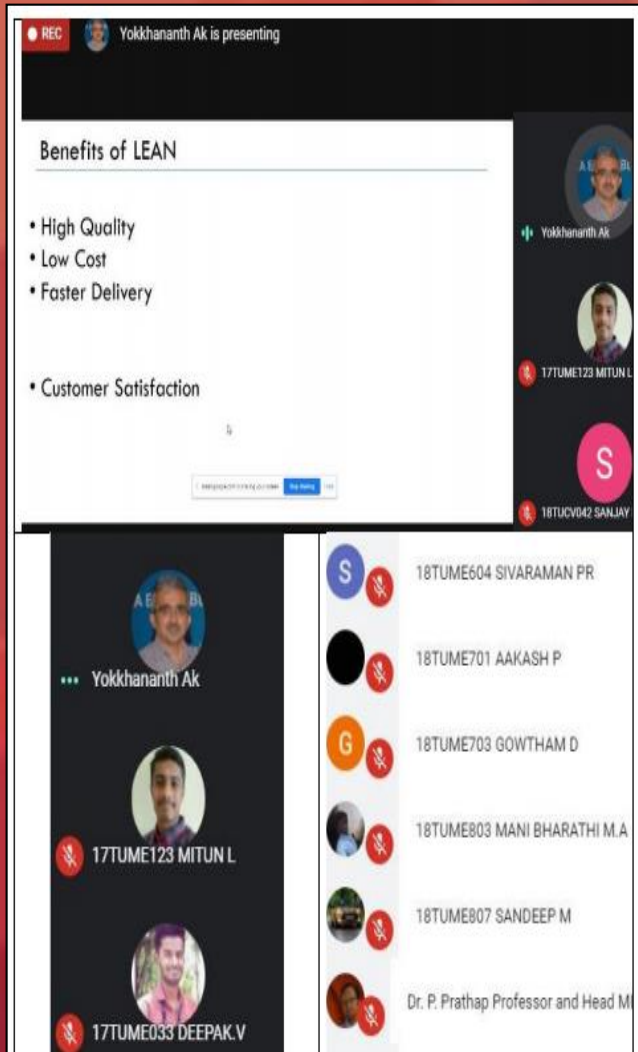
PRINCIPAL: Dr. SRINIVASAN ALAVANDAR
HEAD OF THE DEPARTMENT: Dr. GM. TAMILSELVAN

STAFF COORDINATOR: Mrs. N. VIJAYALAKSHMI
STUDENT COORDINATOR: Mr. R. PREMKUMAR

The Dept. of ECE organised a webinar on “Hangout with Successful Entrepreneur” in collaboration with Institution Innovation Council. Mr Aswin Kashyap Raghuraman, Founder Proprietor of Bowchow Superdogs facilitated the session on 26 September 2020.



MECH | WEBINAR ON LEAN MANUFACTURING



The Members of Faculty and Students from the Dept. of Mechanical Engineering attended a webinar on **“Lean Manufacturing”** organised by the Dept. of Mechanical Engineering and Institutions Innovation Council (IIC). Mr A K Yokkhananth, Deputy General Manager, Quality Control Department, Shanthi Gears Ltd., Coimbatore facilitated the session on 26 September 2020.

CSE | WEBINAR ON PATHWAY TO YOUR FIRST CLOUD TECHNOLOGY JOB

SRI KRISHNA COLLEGE OF TECHNOLOGY
AN AUTONOMOUS INSTITUTION | AFFILIATED TO THE KARNATAKA UNIVERSITY OF SCIENCE AND TECHNOLOGY
ACCREDITED BY NAAC (A) BY SWOPE
KOVVUR, COMBATORE 68642

Department of Computer Science and Engineering
(Accredited by NBA)
&
Institution's Innovation Council

Organizes a
Webinar on
Pathway to your First Cloud Technology Job

Resource Person
Mr. K. Arun Kumar
Consultant - Cloud Technology,
iNurture Education Solutions Pvt. Ltd.
Bangalore.

DATE
01.10.2020
TIME
6.00 to 7.00pm

ARUN KUMAR INURTURE is presenting

Cloud Deployment Models

SaaS Enablement	Marketplace Custom Packaging Premium CDN & DNS Built-in Billing	Cloud Scripting WHMCS verizon CloudBlue
PaaS Management	App Deployment Auto Scaling & Clustering CI/CD Automation Container Orchestration	GitHub GILab kubernetes docker
IaaS Optimization	Containers Virtual Machines Network Storage	Virtuozzo KVM OPEN ceph openstack

ARUN KUMAR INURTURE is presenting

What exactly Cloud Computing is??

- Combine – Power of Distributed Computers / Server / Storage.
- Auto replication
- No interruption in work (backup servers)
- Shutdown Free maintenance
- Security, Speed, productivity, reliability

Uber OLA

DTH

The Dept. of CSE organised a webinar on “Pathway to your First Cloud Technology Job”. Mr K Arun Kumar, Consultant – Cloud Technology, iNurture Education Solutions Pvt. Ltd., Bangalore facilitated the session. Ms T Suganya, Asst. Professor, Dept. of CSE coordinated the event. The Members of Faculty and Students from the Dept. of CSE attended the session on 01 October 2020.

SoM | EVENTS ORGANISED



SRI KRISHNA COLLEGE OF TECHNOLOGY



(An Autonomous Institution)

Approved by AICTE, New Delhi & Affiliated to Anna University
(Accredited by NAAC with "A" Grade)

SCHOOL OF MANAGEMENT & INSTITUTION'S INNOVATION COUNCIL

*Jointly Invites you to join a webinar on
Career prospects in Event Management*



E. Sreevidya
CEO - BAMBOO EVENTS PLANNING & DECOR

Date: September, 28, 2020 & 4.00 pm

Prof.A.Mohanapriya
Faculty Coordinator

Dr.M.Padmavathi
HoD – SoM

Dr. Srinivasan Alavandar
Principal

The School of Management organised a webinar on “**Career prospect in Event Management**”. Ms E Sreevidhy, CEO – Bamboo Events Planning and Décor facilitated the session on 28 September 2020.

SoM | EVENTS ORGANISED



SRI KRISHNA COLLEGE OF TECHNOLOGY

(An Autonomous Institution [Affiliated to Anna University Chennai] Accredited by NBA and NAAC with A Grade)
KOVAIPUDUR, COIMBATORE 641042



SCHOOL OF MANAGEMENT
Organises



Oct - 02 Gandhi Jayanti Celebration
2020

List of Events

✓ Essay Writing English

Topic - Mahatma Gandhi's non violence is it possible in 21st century?

✓ Essay Writing Tamil

Topic - போராட்டம் நிறைந்த இக்காலச் சூழலில் அறவழிப் போராட்டங்கள் மூலம் நம்மால் வெற்றி காண முடியுமா?

✓ Tamil Poem

Topic - காந்தியின் கனவு இந்தியா

✓ Pencil Sketch

Topic - Freedom and Social change

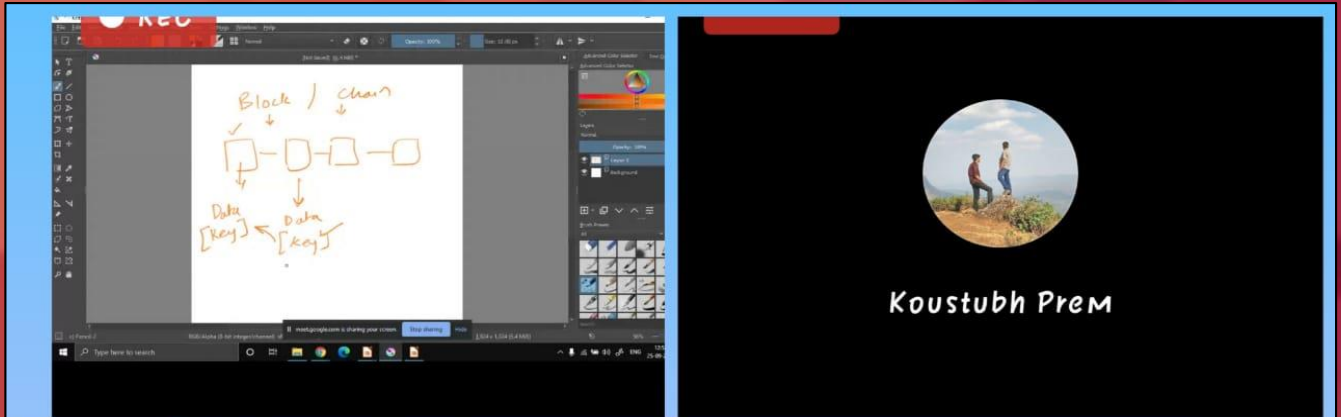
**CLICK HERE
TO REGISTER**

Virtually on 02-10-2020 (Friday)

E-Certificates will be provided

The School of Management organised various events as a part of Gandhi Jayanti Celebration for the Students on 02 October 2020.

ICE | ATAL SPONSORED FDP ON INSTRUMENTATION IN TELEMEDICINE | DAY 5 - SESSION 1 & 2



This screenshot shows a web browser displaying a page titled 'SHA-256 Cryptographic Hash Algorithm'. The page includes a form where the message 'Hello' has been entered. The resulting hash is shown as a long alphanumeric string: 11850d632271be2556140fc13026264306c304eda516007d1764626381910. Below the form, there is explanatory text about cryptographic hashes and their applications in security protocols like challenge handshake authentication and anti-tamper mechanisms.

This image is a composite of two parts. On the left, a screenshot of a Google search for 'sha256 algorithm' is shown, displaying search results and a snippet from Wikipedia. On the right, a screenshot from a video recording shows a hand-drawn diagram. The diagram illustrates the SHA-256 process: 'key' is linked to 'SHA 256 (Fingerprint)', and 'Hello' is linked to '[16bit]', '32, 64bit', and 'Hello'. The diagram also shows a sequence of three rectangular blocks connected by arrows, similar to the one in the top image.

The Dept. of ICE organised the ATAL Sponsored Five-day Faculty Development Program on "Instrumentation in Telemedicine". Mr Koustubh Prem, R&D Engineer, I2R Design Pvt. Ltd., Bengaluru facilitated the First and Second session on the 5th Day.

ICE | ATAL SPONSORED FDP ON INSTRUMENTATION IN TELEMEDICINE | DAY 5 - SESSION 3

Recent Batteries

BIO BATTERIES

- Energy storing device that is powered by organic compounds.
- When enzymes in human bodies break down glucose, several electrons and protons are released.
- Bacteria produce electricity when proteins in their cell membranes come into contact with a mineral surface.
- In 2013, researchers found that *E. coli* is a good candidate for a living biobattery.

SILICON BATTERIES

- Chemical engineer Zhenan Bao of Stanford University - 2016
- Lithium-silicon battery is a name used for a subclass of lithium-ion battery technology that employs a silicon-based anode and lithium ions as the charge carriers.
- Silicon has a much larger specific capacity (3600 mAh/g) than graphite (372 mAh/g).
- Nanoscale Architecture

<https://www.eleprocus.com/an-overview-of-bio-battery-working-principle-types-applications/>

matching and Balancing

reated equal

balancing along the

voltage unbalanced cells -

ESS Selection

The Dept. of ICE organised the ATAL Sponsored Five-day Faculty Development Program on **"Instrumentation in Telemedicine"**. Dr Hina Fathima, Project Lead, Ford Motor Pvt. Ltd., Chennai facilitated the Third Session on the 5th Day. The expert highlighted the concepts of Battery Management in Applications related to Telemedicine. Dr P Manju, Professor and Head and Dr M Karthigai Pandian, Assoc. Professor, expressed their gratitude towards the end of the session.

ICE | ALUMNI SPEAKS

**SRI KRISHNA COLLEGE OF
TECHNOLOGY, COIMBATORE - 42**



ALUMNI SPEAKS

*Ms Nidhi
Alumnus (ICE) , 2020 BATCH
Software Engineer
Accenture*



*Ms Elakkiya
Alumnus , 2020 BATCH
Software Engineer
Accenture*

TOPIC

Coding & Interview Skills : Company Expectations

26.09.2020 @ 10.00 HRS

ORGANIZED BY

**DEPARTMENT OF INSTRUMENTATION
& CONTROL ENGINEERING**



The Dept. of ICE organised the Alumni Speak on “**Coding & Interview Skills: Company Expectations**”. Ms Nidhi and Ms Elakkiya, Software Engineers, Accenture facilitated the session on 26 September 2020.

EEE | WEBINAR ON ARTIFICIAL INTELLIGENCE FOR ELECTRICAL SYSTEM DESIGN – PRACTICAL PERCEPTION

SRI KRISHNA COLLEGE OF TECHNOLOGY
(An Autonomous Institution)
Affiliated to Anna University, Chennai | Accredited by NAAC with 'A' grade
KOVAIPODUR, COIMBATORE - 641042

Department of Electrical and Electronics Engineering

Cordially invites you for the
Webinar
on
Artificial Intelligence for Electrical System Design - Practical Perception

Chief Guest
Dr. A. Athif Shah Ph.D
Chairman and Managing Director,
ABE Semiconductor Designs,
Chennai.

26th September 2020 @ 11.30AM

CONVENER: DR. K. LAKSHMI, PROFESSOR & HEAD, EEE, SKCT
COORDINATOR(S): MR. P. LENIN PUGALHANTHI, MR. R. SENTHIL KUMAR, DR. S. SARAVANAN, AP/EEE/SKCT

The Dept. Of EEE organised a webinar on “Artificial Intelligence for Electrical System Design – Practical Perception” for the Students of EEE. Dr A Athif Shah, Chairman and Managing Director, ABE Semiconductor Designs, Chennai facilitated the session on 26 September 2020.

EEE | VIRTUAL INTERACTIVE WEBINAR ON ROLE OF MENTORS IN EMERGING ENTREPRENEURSHIP

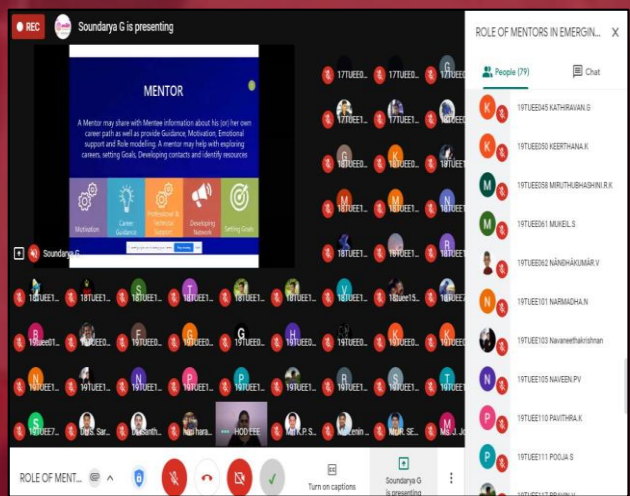
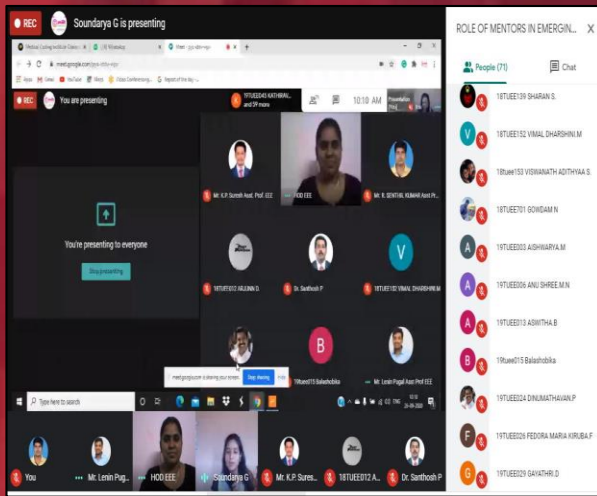
SRI KRISHNA COLLEGE OF TECHNOLOGY
(An Autonomous Institution)
Affiliated to Anna University, Chennai | Accredited by NAAC with 'A' grade
KOVAIPOUDUR, COIMBATORE - 641042

Department of Electrical and Electronics Engineering
Cordially invites you for the
Virtual Interactive Webinar
on
Role of Mentors in Emerging Entrepreneurship

Chief Guest
Ms. G. Soundarya
CEO, MITT Global Services,
Chennai.

26th September 2020 @ 10 AM
meet.google.com/pys-xbtv-wpv

CONVENER: Dr.K.Lakshmi, Professor & Head,EEE,SKCT
COORDINATOR(S): Dr.K.P.Suresh, Mr.R.Senthil kumar, Mr.P.Leninpugalhanthi, AP/EEE/SKCT



The Dept. Of EEE organised a virtual interactive webinar on **“Role of Mentors in Emerging Entrepreneurship”** for the Students of EEE. Ms G Soundarya, CEO, MITT Global Services, Chennai facilitated the session on 26 September 2020.

SKCT | FIT INDIA - FREEDOM RUN



SRI KRISHNA COLLEGE OF TECHNOLOGY
(AN AUTONOMOUS INSTITUTION)
KOVAIPUDUR, COIMBATORE - 641042.



FIT INDIA

FIT INDIA - FREEDOM RUN

FOR BETTER LIFE
ANY WHERE ANY TIME

HUMAN BODY'S MOST RAW FROM OF FREEDOM

DATE :26,27,28,29 SEP 2020



Government of India
Ministry of Youth Affairs and Sports

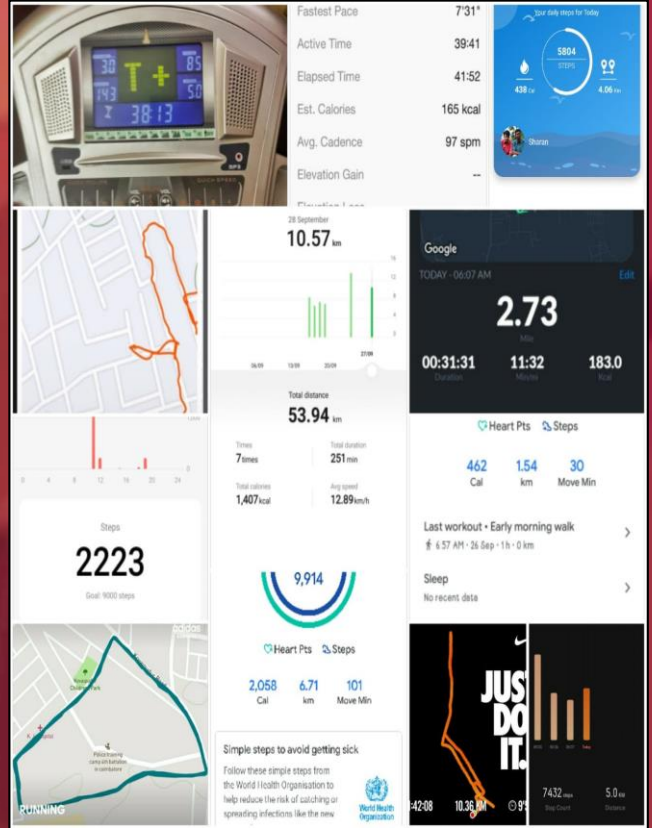
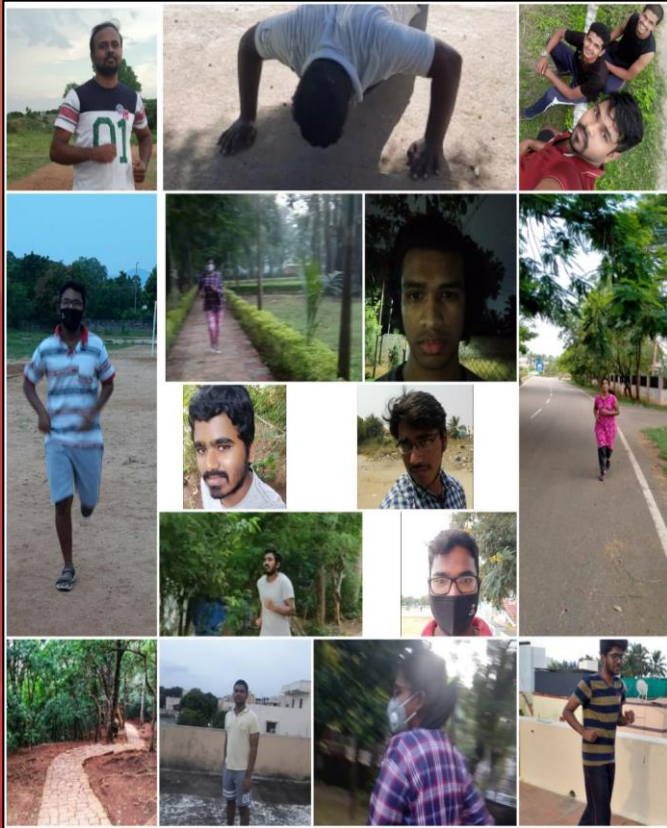
CONGRATULATIONS TO
SRI KRISHNA COLLEGE OF TECHNOLOGY
FOR SUCCESSFULLY ORGANIZING THE
FIT INDIA- FREEDOM RUN
FROM 15th AUGUST - 2nd OCTOBER

www.fitindia.gov.in

This is a digitally generated certificate, based on the information provided by the organiser of the event.

Sri Krishna College of Technology (SKCT), Coimbatore organised "Fit India Freedom Run" event. The Members of Faculty and Students from various departments participated in the event during 26-29 September 2020.

SKCT | FIT INDIA – FREEDOM RUN



Government of India
 Ministry of Youth Affairs and Sports

FIT INDIA FREEDOM RUN

Congratulations to
M.PADMAVATHI

FOR SUCCESSFULLY PARTICIPATING IN THE
 FIT INDIA- FREEDOM RUN
 Event Organised by SRI KRISHNA COLLEGE OF TECHNOLOGY
 From 15th August - 2nd October

Government of India
 Ministry of Youth Affairs and Sports

FIT INDIA FREEDOM RUN

Congratulations to
T.PRIDHAR

FOR SUCCESSFULLY PARTICIPATING IN THE
 FIT INDIA- FREEDOM RUN
 Event Organised by SRI KRISHNA COLLEGE OF TECHNOLOGY
 From 15th August - 2nd October

www.fitindia.gov.in

Government of India
 Ministry of Youth Affairs and Sports

FIT INDIA FREEDOM RUN

Congratulations to
SRINIVASAN ALAVANDHAR

FOR SUCCESSFULLY PARTICIPATING IN THE
 FIT INDIA- FREEDOM RUN
 Event Organised by SRI KRISHNA COLLEGE OF TECHNOLOGY
 From 15th August - 2nd October

www.fitindia.gov.in