SKCT

DIGEST



SPECIAL ISSUE - 12 10-14 AUG 2020



EDITOR - IN - CHIEF Dr Srinivasan Alavandar, Principal

EDITORIAL TEAM

Ms S Soundarya, CSE

Ms S Thenmozhi, ECE

Ms B Pavithra, S&H

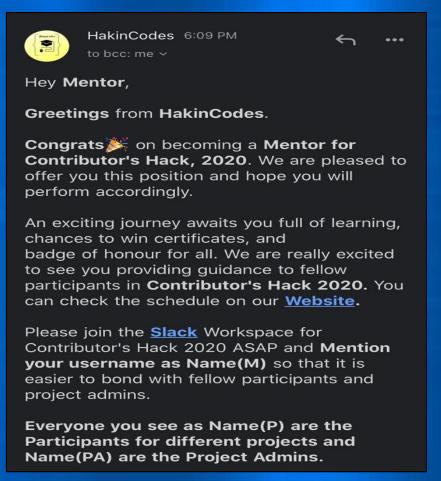


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CSE | STUDENT'S ACHIEVEMENT | MENTOR FOR STUDENTS ON DEVELOPING PROJECTS BY HAKINCODES









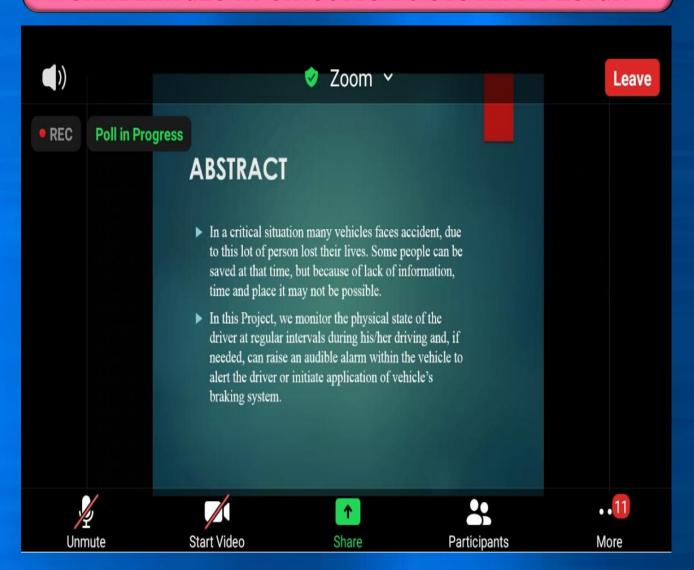
Mr Vishnu Varthan, Student of Third B.E. CSE C Section, has been selected as a mentor to guide students on "**Developing Open Source Projects for Contributor's Hack 2020"** by Hakincodes.

IT | STUDENT'S PARTICIPATION | INTERNATIONAL CONFERENCE ON EMERGING TRENDS AND CHALLENGES IN CIRCUITS TO SYSTEM DESIGN



Ms N Shobha, Mr S Ragul Balaji, Ms A Renitha, Students of Second B.Tech. IT B Section, presented a paper titled "IoT based Smart Waste Management and Driver Assistant System" in an International Virtual Conference on Emerging Trends and Challenges in Circuits to System Design (IETCCSD 2020) organised by Vellore Institute of Technology, Chennai on 07 August 2020.

IT | STUDENT'S PARTICIPATION | INTERNATIONAL CONFERENCE ON EMERGING TRENDS AND CHALLENGES IN CIRCUITS TO SYSTEM DESIGN



Mr M Sudhaga, Mr N Sujan Karthi, Ms T Sneha, Students of Second B.Tech. IT B Section, presented a paper titled "Vehicle Accident Detection and Driver Surveillance" in an International Virtual Conference on Emerging Trends and Challenges in Circuits to System Design (IETCCSD 2020) organised by Vellore Institute of Technology, Chennai on 07 August 2020.

EEE | STUDENT'S ACHIEVEMENT | INTERNSHIP OFFER

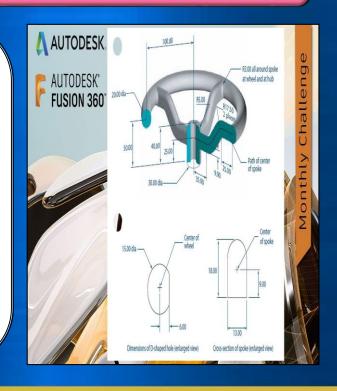
Mr G Hareish, Student of Final B.E. EEE A Section, has been selected as an intern in "KAAR Technologies" on 11 August 2020.





EEE | STUDENT'S PARTICIPATION | ANNA UNIVERSITY 360 DESIGN CHALLENGE CONTEST

Mr Sujithkumar J P, Mr Tharani A, Mr Suhas R and Mr Surendhar C, Students of Final B.E. EEE, participated in "Anna University Fusion 360 Design Challenge" organised by Anna University Leadership Team & Autodesk on 10 August 2020.



MECH | STUDENT'S PARTICIPATION | WEBINAR ON EVALUATING DESIGN ALTERNATIVES FOR HVAC IN BIM REVIT



Mr Pradeep Kumar, Third Student οf B.E. Mechanical Engineering, attended a webinar "Evaluating Design Alternatives for HVAC in BIM Revit" organised by ISHRAE, Coimbatore on 25 July 2020.

ECE | STUDENT'S CERTIFICATION | PYTHON PROGRAMMING



Mr M Kiran Seshi, Student of Third B.E. ECE B Section, completed a course titled "Python Programming" organised by Apponix on 30 July 2020.

CSE | STUDENT'S CERTIFICATION ON C BEGINNER







Mr B R Krithick Krishnna, Student of Third B.E. CSE B Section, completed "**C Beginner**" Skill Test with 64% offered by TECHGIG on 09 August 2020.

EEE | STUDENT'S CERTIFICATION IN COURSERA



Students of Third B.E. EEE completed an online non-credit course on "Electric Power Systems" authorised by University at Buffalo and The State University of New York and offered through Coursera on 10 August 2020.

CSE | STUDENT'S CERTIFICATION ON JAPANESE LANGUAGE: INTRODUCTION TO JAPANESE CONVERSATION







Ms S Suvetha, Student of Final B.E. CSE C Section, completed a course on "Japanese Language: Introduction to Japanese Conversation" offered by Alison.

EEE | STUDENT'S CERTIFICATES IN SOLOLEARN



SOLOLEARN

Issued 09 August, 2020

This is to certify that

PARTHIBAN.A

has successfully completed the

C Tutorial course





Yeva Hyusyan Chief Executive Officer

Certificate #1089-19335213

Mr A Parthiban, Student of Third B.E. EEE B Section, completed an online course on "C Tutorial Course" offered by SOLOLEARN on 09 August 2020.

CIVIL | STUDENTS' PARTICIPATION IN WEBINAR ON THE TRANSFORMATION NEEDED FROM A 2G CIVIL ENGINEER TO 5G CIVIL ENGINEER





Students of Second and Third B.E. Civil Engineering attended a webinar on "The Transformation Needed from a 2G Civil Engineer to 5G Civil Engineer" organised by Rajalakshmi College of Engineering, Chennai on 08 August 2020.

CSE | STUDENT'S CERTIFICATION ON PYTHON DATA STRUCTURES



Mr S Jayapal, Student of Second B.E. CSE A Section, completed an online noncredit course on "Python Data Structures" authorised by University of Michigan and offered through Coursera.

CSE | STUDENT'S CERTIFICATION ON DATA SCIENCE METHODOLOGY

Ms G Sharmili, Student of Final B.E. CSE C Section, completed an online noncredit course on "Data Science Methodology" authorised by IBM and offered through Coursera.



MECH | STUDENT'S PARTICIPATION | QUIZ ON PROGRAMMING SKILLS



Mr S Pradeepkumar, Student of Third B.E. Mechanical Engineering, participated in a quiz on "**Programming Skills**" organised by Shanmuga Industries Arts and Science College, Tiruvannamalai on 12 August 2020.

MECH | STUDENT'S PARTICIPATION | QUIZ ON ARTIFICIAL INTELLIGENCE

Mr S Pradeepkumar, Student of Third B.E. Mechanical Engineering, participated in a quiz on "Artificial Quiz" organised by Educatwork on 12 August 2020.



CSE | STUDENT'S CERTIFICATION ON USING PYTHON TO ACCESS WEB DATA

Mr R Santhosh, Student of Third B.E. CSE C Section, completed an online noncredit course on "Using Python to Access Web Data" authorised by University of Michigan and offered through Coursera.



CSE | STUDENT'S CERTIFICATION ON PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON)



Ms S Suvetha, Student of Final B.E. CSE C Section, completed an online non-credit course on "Programming for Everybody (Getting Started with Python)" authorised by University of Michigan and offered through Coursera.

CSE | STUDENTS' CERTIFICATION ON PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON)



Mr G S Roshan Karthick, Ms P Siva Ilakkiya and Ms S Swetha, Students of Third B.E. CSE C Section, completed an online course on "**Programming for Everybody (Getting Started with Python)**" authorised by University of Michigan and offered through Coursera.

CSE | STUDENTS' CERTIFICATION ON PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON)









Mr Bala Ram Eswar, Mr M Deepan, Ms Garishma Krishnasamy and Ms Jaya Varshini P Prabhu, Students of Second B.E. CSE A Section, completed an online non-credit course on "Programming for Everybody (Getting Started with Python)" authorised by University of Michigan and offered through Coursera.



CSE | PhD AWARD



ANNA UNIVERSITY

CENTRE FOR RESEARCH

Sardar Patel Road, Chennai - 600 025, India



DIRECTOR

Ref: No. 71010621013/Ph.D./AR3

Date: 05.08.2020

TO WHOMSDEVER IT MAY CONCERN

This is to certify that Mr.R.Karthik, has registered for Ph.D. Programme in Computer Science and Engineering during july-2010. The scholar has submitted the thesis entitled. "A STUDY ON WIDE-SENSE NONBLOCKING MULTICAST IN WDM OPTICAL NETWORKS WITH EXTENDED TOPOLOGIES" and has successfully completed the oral examination held on 24.06,2020 for the award of Ph.D. Degree under the Faculty of Information and Communication Engineering.

The Ph.D. Degree awarded by this University is in compliance of the UGC Regulations 2009.

DIRECTOR (RESEARCH)

5/8/2020

Tel. | +91 44 22357354, +91 44 22357366 + Fax . +91 44 22291213 + E-mail: diresearch@annountv.edu, diresearch@gmail.com



Mr R Karthik, Asst. Professor, Dept. of CSE, defended his Ph.D. Viva Voce on 24 June 2020.

CIVIL | RESOURCE PERSON FOR NATIONAL LEVEL WEBINAR





Dr. V. Sreevidya Associate Professor Dept. of Civil Engineering



Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering, facilitated a National level webinar session organised by SNS College of Technology, Coimbatore on 12 August 2020.

CIVIL | RESOURCE PERSON FOR ALUMNI LECTURE SERIES





Ms G Selina Ruby Assistant Professor Dept. of Civil Engineering



Ms G Selina Ruby, Asst. Professor, Dept. of Civil Engineering, served as a Resource Person for Alumni Lecture Series organised by Sri Ramakrishna Institute of Technology, Coimbatore on 13 August 2020.

IT | FACULTY CERTIFICATION | MACHINE LEARNING FOUNDATIONS: A CASE STUDY APPROACH

Dr D Jeyabharathi, Asst.
Professor, Dept. of IT,
completed a MOOC course on

"Machine Learning
Foundations: A Case Study
Approach" offered by
University of Washington
through Coursera on 11 August
2020.



ECE | INTERNSHALA TRAINING CERTIFICATE ON ETHICAL HACKING



Ms S Thenmozhi, Asst.

Professor, Dept. of ECE,
completed an eight-week
online training on "Ethical

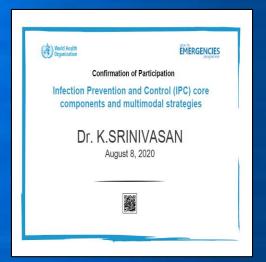
Hacking" offered by
Internshala Trainings during
19 May 2020 - 14 July 2020.

S&H | E-QUIZ ON WORLD HEPATITIS DAY



Ms S S Sabithamala, Asst. Professor, Dept. of S&H, participated in an "E-Quiz on World Hepatitis day" organised by NSS and Youth Red Cross, Janson's Institute of Technology, Coimbatore during 28-31 July 2020.

ECE | PARTICIPATION IN INFECTION PREVENTION AND CONTROL (IPC) CORE COMPONENTS AND MULTIMODAL STRATEGIES



Dr K Srinivasan, Assoc. Professor,
Dept. of ECE, participated in

"Infection Prevention and Control
(IPC) Core Components and
Multimodal Strategies" organised by
World Health Organization on 08
August 2020.

ECE | QUIZ ON UAV BASED LANDSCAPE MAPPING



Mr S Ganesh prabhu, Asst. Professor, Dept. of ECE, participated in a quiz on "UAV based Landscape Mapping" organised by JE Geospatial Solutions Private Limited on 12 August 2020.

EEE | ONLINE CERTIFICATION ON COURSERA



Mr Leninpugalhanthi P, Mr Senthilkumar R, Dr Saravanan S, Asst. Professors, Dept. Of EEE, completed an online course on "**Electric Power Systems**" authorised by University at Buffalo and The State University of New York and offered through Coursera on 10 August 2020.

CSE | FACULTY CERTIFICATION ON INTRODUCTION AND PROGRAMMING WITH IOT BOARD

Ms G Sandhya, Asst. Professor,
Dept. of CSE, completed an
online non-credit course on
"Introduction and
Programming with IoT Board"
authorised by Pohang University
of Science and Technology and
offered through Coursera on 12
August 2020.



IT | FACULTY CERTIFICATION | DATA SCIENCE MATH SKILLS

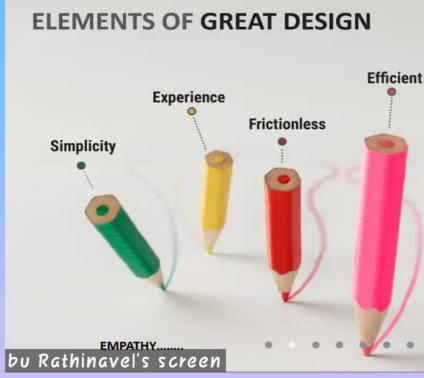


Ms V Roopa, Asst. Professor, Dept. of IT, completed an online course on "Data Science Math Skills" authorised by Duke University and offered through Coursera on 10 August 2020.



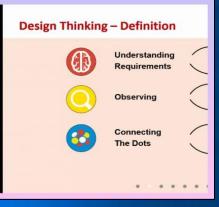
ICE | ONLINE SESSION ON IGNNOVATE 2.0: IDEA GENERATION & BUSINESS PLAN PREPARATION











Dr P Manju, Professor and Head, Dept. of ICE, attended IGNNOVATE 2.0 session on "Idea Generation" and "Business Plan Preparation" organised by the Centre for Entrepreneurship Development, Anna University, Chennai during 12-13 August 2020.

ECE | WEBINAR ON MV MOTOR MODELLING AND STARTING ANALYSIS USING ETAP SOFTWARE



Dr S Malathy, Professor, Dept. of ECE, attended a webinar on "MV Motor Modelling and Starting Analysis Using ETAP Software" organised by Rajalakshmi Engineering College, Thandalam on 09 August 2020.

ECE | WEBINAR ON MILLIMETER-WAVE AND SUB-MILLIMETER-WAVE BEAM SCANNING





Dr R Vadivelu, Assoc. Professor and Mr G Santhakumar, Asst. Professor, Dept. of ECE, attended a webinar on "Millimeter-wave and Sub-millimeter-wave Beam Scanning" organised by IEEE Microwave Theory & Techniques Society Student Branch Chapter, IIT(BHU) on 08 August 2020.

ECE | WEBINAR ON FUTURE JOB PERSPECTIVES AND HOW TO GRAB THE OPPORTUNITIES



Dr S Malathy, Professor and Mr G Santhakumar, Asst. Professor, ECE. Dept. of attended "Future webinar Iob on Perspectives and How to Grab the Opportunities" organised by Chennai Institute of Technology, Chennai 04 August 2020.

ECE | WEBINAR ON BEACONS AND WEARABLE TECHNOLOGY IN INTERNET OF THINGS



Dr S Malathy, Professor, Mr G Santhakumar, Mr R R Thirrunavukkarasu and Mr S Ganesh Prabhu, Asst. Professors, Dept. of ECE, attended a webinar on "Beacons and Wearable Technology in Internet of Things" organised by Chennai Institute of Technology, Chennai on 07 August 2020.

ECE | WEBINAR ON INDIA ON ITS OWN



Ms N Vijayalakshmi, Asst. Professor, Dept. of ECE, attended a webinar on "India On Its Own" jointly organised by Yuva Shakthi and Chennai Institute of Technology, Chennai on 11 August 2020.

ECE | WEBINAR ON IN BUILT QUALITY -THE DIFFERENTIATOR

Dr K Sumathi, Professor, Dept. of ECE, attended a webinar on "In Built Quality - The Differentiator" organised by Sri Eshwar College of Engineering, Coimbatore on 11 August 2020.



ECE | WEBINAR ON CHANGING THE ME : RESIDING IN ME-LIVE SAFE, MANAGING (STRESS, ANGER, FEAR & EXPECTATIONS)

Dr K Sumathi, Professor, Dept. of ECE, attended a webinar on "Changing the ME: Residing in ME - Live SAFE, managing (Stress, Anger, Fear & Expectations)" organised by Sri Eshwar College of Engineering, Coimbatore on 10 August 2020.



ICE | LECTURE SERIES ON FUTURE ANTENNA TECHNOLOGIES



Chinnadurai. Assoc. Т Dr Professor. Dept. of ICE. participated in a five-day lecture series on "Future Antenna **Technologies**" organised IEEE APS Chapter in association Dept. with the of ECE. Kumaraguru College of Technology, Coimbatore on 13 August 2020.

ECE | WEBINAR ON STRESS MANAGEMENT FOR ACHIEVING PERSONAL AND PROFESSIONAL



Dr K Sumathi, Professor, Dept. of ECE, attended a webinar on "Stress Management for Achieving Personal and Professional" organised by Nadar Saraswathi College of Engineering and Technology, Theni on 08 August 2020.

ECE | WEBINAR ON A PRACTICAL INTRODUCTION TO DEEP LEARNING FOR SPEECH RECOGNITION

Dr K Sumathi, Professor, Dept. of ECE, attended a webinar on "A Practical Introduction to Deep Learning for Speech Recognition" organised by Jerusalem College of Engineering, Chennai on 08 August 2020.



ICE | WEBINAR ON SMART LEARNING : A NEW PARADIGM





Dr M Karthigai Pandian, Assoc. Professor, Dept. of ICE, attended a webinar on "**Smart Learning: A New Paradigm"** organised by FEIAP-ICT and IE(I) on 10 August 2020.

ECE | WEBINAR ON IT NETWORK INFRASTRUCTURE - AN OVERVIEW

Dr K Sumathi, Professor, Dept. of ECE, attended a webinar on "IT Network Infrastructure – An Overview" organised by Sri Eshwar College of Engineering, Coimbatore on 05 August 2020.

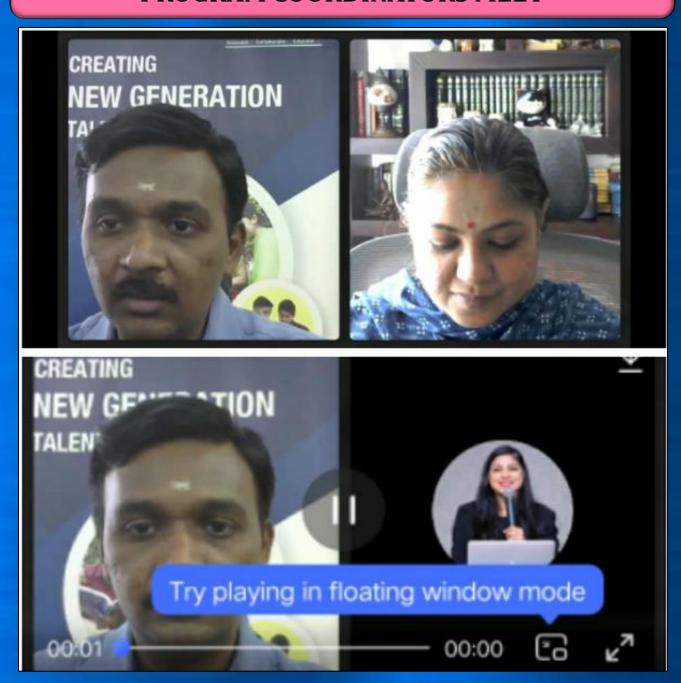


ECE | WEBINAR ON END OF ARM TOOLING FOR NEXT-GEN FACTORIES



Senoj Joseph, Dr Assoc. Professor, Dept. of ECE. attended a webinar on "End of ARM Tooling for Next-**Gen Factories**" organised by AXIS Global Institute of Industrial Training 08 on August 2020.

IT | WEBINAR ON SALESFORCE JOB READY PROGRAM COORDINATORS MEET

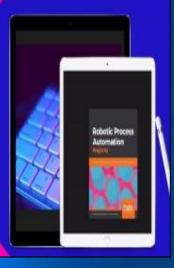


Mr A Sureshkumar and Ms K Sindhumeena, Asst. Professors, Dept. of IT, attended an online session on "Salesforce Job Ready Program Coordinators Meet" organised by ICT Academy on 12 August 2020.

IT | WEBINAR ON ROBOTIC PROCESS AUTOMATION PROJECTS BOOK: MEET THE AUTHORS

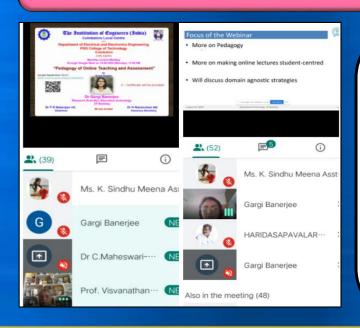


Robotic Process Automation Projects



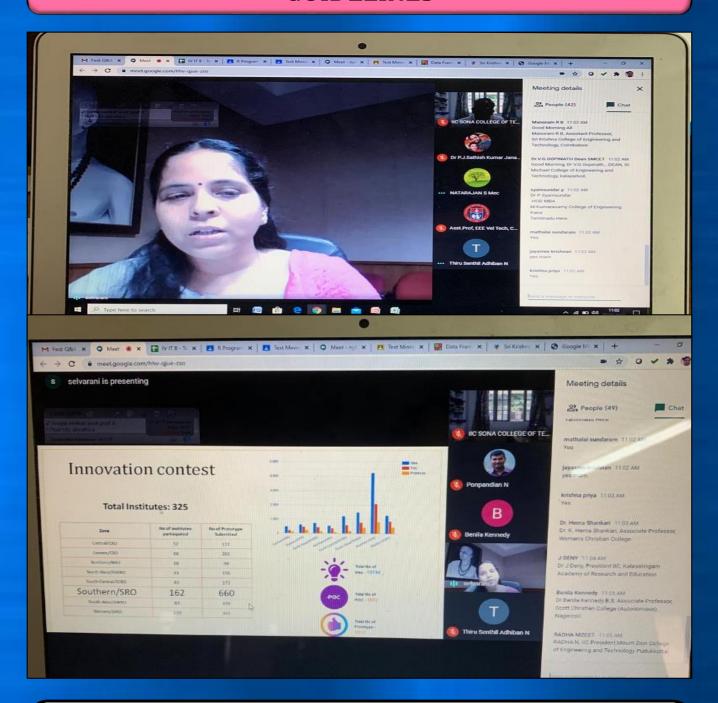
Mr A Sureshkumar, Asst. Professor, Dept. of IT, attended an online webinar on "Robotic Process Automation Projects Book: Meet the Authors" organised by UiPath on 11 August 2020.

IT | WEBINAR ON PEDAGOGY OF ONLINE TEACHING AND ASSESSMENT



Ms K Sindhumeena, Asst. Professor, Dept. of IT, attended an online webinar on "Pedagogy of Online Teaching and Assessment" organised by PSG College of Technology, Coimbatore on 11 August 2020.

IT | WEBINAR ON IIC INNOVATION CONTEST GUIDELINES



Dr K Lakshmi, Professor and Head (In-Charge), Dept. of EEE and Ms V Roopa, Asst. Professor, Dept. of IT, attended an online session on "IIC Innovation Contest Guidelines" on 07 August 2020.

ECE | LECTURE SERIES ON FUTURE ANTENNA TECHNOLOGIES



Dr S Malathy and Dr K Sumathi, Professors and Mr U Venkatesh Kumar, Asst. Professor, Dept. of ECE, attended a five-day lecture series on "Future Antenna Technologies" organised by Kumaraguru College of Technology, Coimbatore during 10-14 August 2020.

ECE | WEBINAR ON FUTURE TRENDS IN AUTOMOTIVE INDUSTRY

Dr K Sumathi, Professor, Dept. of ECE, attended a webinar on **Trends** "Future in Industry" Automotive organised by Sri Eshwar of College Engineering, Coimbatore on 12 August 2020.



ICE | LECTURE SERIES ON FUTURE ANTENNA TECHNOLOGIES





Department of Electronics and Communication Engineering

Presents this

CERTIFICATE

To

Dr. T Chinnadurai

of

Sri Krishna College of Technology

For his/her active and invaluable participation in the 5 day lecture Series on
"Future Antenna Technologies" on the topic "5G: Challenges and Enabling Technologies"
organized by IEEE APS Madras Chapter, in association with Department of Electronics
and Communication Engineering, Kumaraguru College of Technology, Coimbatore
conducted on 10 August 2020.

Chairman

Dr.T.Shanmaganantham IEEE AD-5 Morton Chapter Jam

Dr.J.Srinivasan Kumaraguru College of Technology

Dr T Chinnadurai, Assoc. Professor, Dept. of ICE, attended a five-day lecture series on **"Future Antenna Technologies"** organised by IEEE APS Chapter in association with the Dept. of ECE, Kumaraguru College of Technology, Coimbatore on 12 August 2020.

EEE | FACULTY WEBINAR PARTICIPATION ON VERILOG HDL IN CHIP DESIGN CYCLE

MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE

NAAC & NBA Accredited, Approved by AICTE, New Delhi & Permanently Affiliated To JNTUH, Hyderabad, An ISO 9001:2015 Certified Institution
Approved by UK Accreditation centre, Granted status of 2(f) and 12(b) under UGC Act. Govt. of India.









ESTD-2005

OF PARTICIPANT
This is to certify that
Dr. P. Ponmurugan

of

SRI KRISHNA COLLEGE OF TECHNOLOGY, COIMBATORE

has participated in A Webinar on "Verilog HDL in Chip Desing Cycle & Importance of Hardware Emulation" on 08.08.2020 Organized by Department of Electronics and Communication Engineering.



Dr.K.Ravindra
Principal

Certificate ID 69DUUA-CE000119

Dr P Ponmurugan, Assoc. Professor, Dept. of EEE, participated in a webinar on "Verilog HDL in Chip Design Cycle & Importance of Hardware Emulation" organised by the Dept. of ECE, Malla Reddy Institute of Technology and Science, Hyderabad on 08 August 2020.

ECE | LECTURE SERIES ON FUTURE ANTENNA TECHNOLOGIES



Ms Yamini Shanmugam and Ms S Kiruthiga, Asst. Professors, Dept. of ECE, attended a five-day lecture series on **"Future Antenna Technologies"** organised by Kumaraguru College of Technology, Coimbatore during 10-14 August 2020.

ECE | WEBINAR ON INTERNET OF THINGS



Ms M Jaishree, Asst. Professor, Dept. of ECE, attended a webinar on "Innovation to Startup" session titled "Internet of Things" organised by Kumaraguru College of Technology, Coimbatore on 05 August 2020.

CIVIL | SEMINAR ON ADVANCEMENT IN CONCRETE TECHNOLOGY ATTENDED



Vidya Jyothi Institute of Technology



(An Autonomous Institution)

Aziz Nagar, Chilkur Road, Ranga Reddy - 500075

Certificate of Participation

This is to certify

Dr.V.SREEVIDYA

ASSOCIATE PROFESSOR

of SRI KRISHNA COLLEGE OF TECHNOLOGY

has participated in One Day International Seminar on

"Advancement in Concrete Technology"

10th August - 2020

Organized by

Department of Civil Engineering

In - Association with "ICI Student Chapter" - Telangana

Jallaui

Dr. Pallavi Badry

A.Padmags

Dr. A. Padmaja Principal E SeuBer My

Dr. E. Saibaba Reddy

Director

Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering, attended an International seminar on "Advancement in Concrete Technology" organised by Vidya Jyothi Institute of Technology, Ranga Reddy on 10 August 2020.

IT | WEBINAR ON INNOVATION TO STARTUP



college of technology

Presents this

CERTIFICATE

R.SUGANYA SRI KRISHNAN COLLEGE OF TECHNOLOGY





Presents this

CERTIFICATE

ROOPA V SRI KRISHNA COLLEGE OF TECHNOLOGY

For his/her active and invaluable participus "Innovation to Startup" session titled "Institutions Innovation Cell, Kumaraguru Conducted on 05 Au

Innovation Ambassactor
S.Suryaprakash
IIC, Kumaraguru College of Technology





Propente this

CERTIFICATE

SURESHKUMAR A SRI KRISHNA COLLEGE OF TECHNOLOGY

For his/her active and invaluable participation in the Webinar Series on "Innovation to Startup" session titled "Internet of Things" conducted by Institutions Innovation Cell, Kumaraguru College of Technology, Coimbatore, conducted on 05 August 2020.

ation in the Webinar Series on rinet of Things" conducted by lege of Technology, Coimbatore, just 2020.

Principal

Dr.J.Srinivasan

Kumaraguru College of Technology

Innovation Ambassador
S.Suryaprakash
C, Kumaraguru College of Technology

Principal

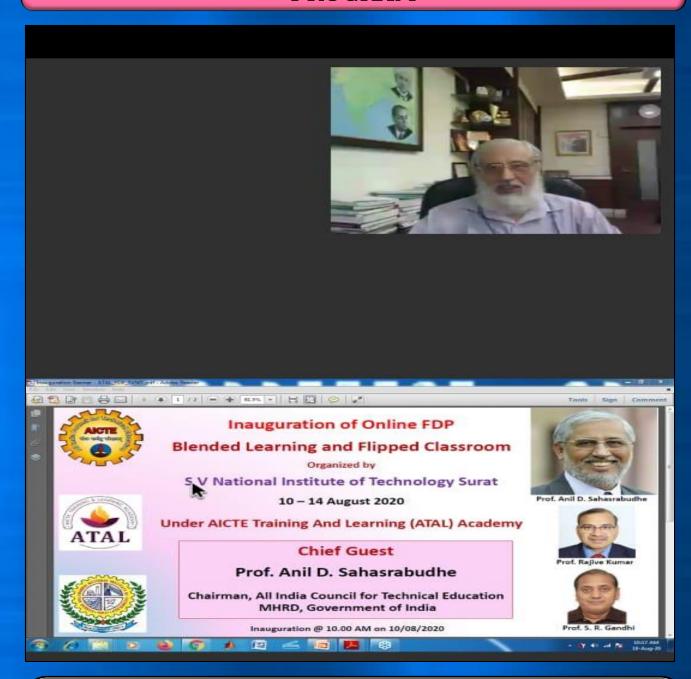
Dr.J.Srinivasan

Kumaraguru College of Technology

Dr R Suganya, Mr A Sureshkumar and Ms V Roopa, Asst. Professors, Dept. of IT, participated in an online webinar on "Innovation to Startup" session titled "Internet of Things" organised by Institutions Innovation Cell, Kumaraguru College of Technology, Coimbatore on 05 August 2020.



CIVIL | WORKSHOP ON ATAL FDP INAUGURATION PROGRAM



Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering, attended the Inauguration of Online FDP on "Blended Learning and Flipped Classroom" organised by S V National Institute of Technology, Surat on 10 August 2020.

EEE | FACULTY TECHNICAL TRAINING PARTICIPATION ON POWER ELECTRONICS USING MATLAB



Dr G Sophia Jasmine, Asst. Professor, Dept. of EEE, participated in a Technical Training Programme on "Power Electronics using MATLAB" organised by IETE-Mumbai in association with Pantech E Learning during 27-31 July 2020.

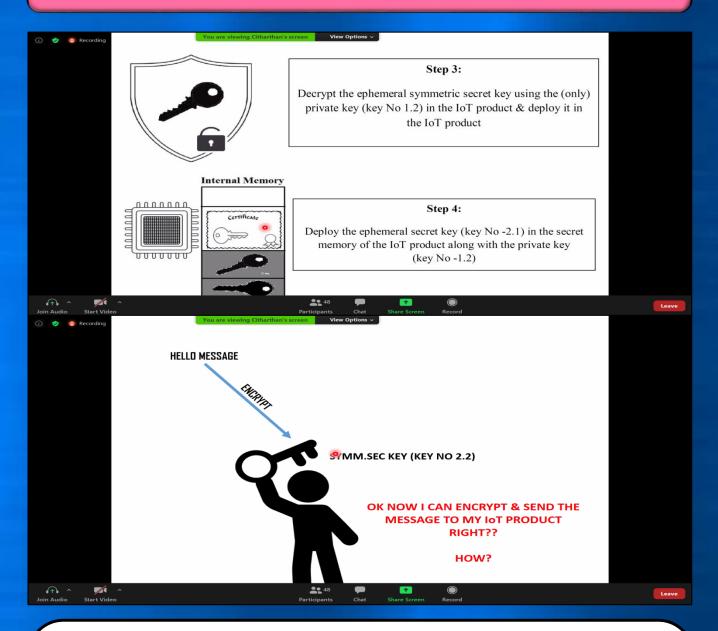


ICE | FIVE-DAY ONLINE SHORT TERM COURSE ON POWER ELECTRONICS APPLICATION IN SMART GRID AND ELECTRIC VEHICLE

		1111178	1111	
SRI RAMAI	KRISHNA ENGINEE	RING COLLEC	GE :	
SNR	[Educational Service : SNR Sons Charitable Truss] [Autonemous Institution, Accredited by NAAC with "A Grad [Approved by AICTE and Permanently Affiliated to Anna University, [ISO 9901:2015 Certified and all eligible programmes Accredited by Vasturanisipally and Combatore 641022	c) Chennaij y NBA]	8	
Department	of Electrical and Elect	ronics Engineeri	ng	
Certificate ID: STCPE080	(Accredited by NBA) CERTIFICATE OF PARTICIE	PATION		
This is to certify that	DR.S.NARENDIR	LAN	of	
SRI	KRISHNA COLLEGE OF TECHNOLOGY	has partic	eipated	
in Five Days Short Term Co	ourse on " Power Electronics Application	in Smart Grid and Electric Ve	hicle "	
Organized by Department	of Electrical & Electronics Engineering I	held at Sri Ramakrishna Engin	eering	
College, from 03.08.2020 -	· 07.08.2020.		NG	COLLEGE
				COLLEGE
S. Marj Pan	Showen be S. y. F		-	
Mr. S. Manój Kumar Coordinator	Mr. C. Praveen Kumar Dr. S.U. Coordinator HoD -		nics	Engineering
	77///////////		ON	
	Continent 15.	CERTIFICATE OF TA	KITCHAII ON	
	This is to certify that	MR	. RAJESH R	of
	SRI KRISHNA	A COLLEGE OF TECHNOLOGY,	COIMBATORE	has participated
			ACTIVITY OF SECURITY OF SECURI	
	in Five Days Short Term Cou	rrse on " Power Electronics Ap	plication in Smart G	rid and Electric Vehicle "
	in Five Days Short Term Cou Organized by Department o	rse on " Power Electronics Ap	plication in Smart G	rid and Electric Vehicle "
	in Five Days Short Term Cou	rse on " Power Electronics Ap	plication in Smart G	rid and Electric Vehicle "
	in Five Days Short Term Cou Organized by Department o	rse on " Power Electronics Ap	plication in Smart Grineering held at Sri l	rid and Electric Vehicle "
	in Five Days Short Term Cou Organized by Department o	rse on " Power Electronics Ap	plication in Smart G	rid and Electric Vehicle "

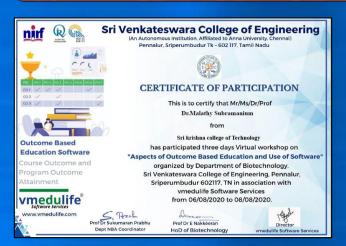
Dr S Narendiran, Assoc. Professor and Mr R Rajesh, Asst. Professor, Dept. of ICE, attended a five-day short term course on "Power Electronics Applications in Smart Grid and Electric Vehicle" organised by the Dept. of EEE, Sri Ramakrishna Engineering College, Coimbatore during 3-7 August 2020.

IT | STTP ON RECENT ADVANCEMENTS IN INTERNET OF THINGS FOR HEALTH CARE APPLICATIONS



Ms S Madumidha, Asst. Professor, Dept. of IT, has been attending a AICTE sponsored one-week online Short Term Training Programme on "Recent Advancements in Internet of Things for Health Care Applications" organised by Mount Zion College of Engineering and Technology, Pudukkottai during 10-15 August 2020.

ECE| WORKSHOP ON ASPECTS OF OUTCOME BASED EDUCATION AND USE OF SOFTWARE





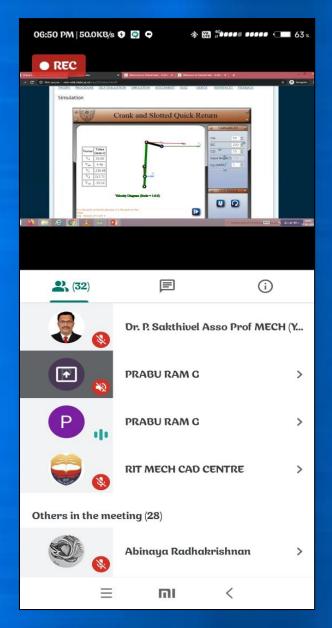
Dr S Malathy, Professor and Mr G Santhakumar, Asst. Professor, Dept. of ECE, attended a three-day virtual workshop on "Aspects of Outcome based Education and Use of Software" organised by Sri Venkateswara College of Engineering, Sriperumbudur during 06-08 August 2020.

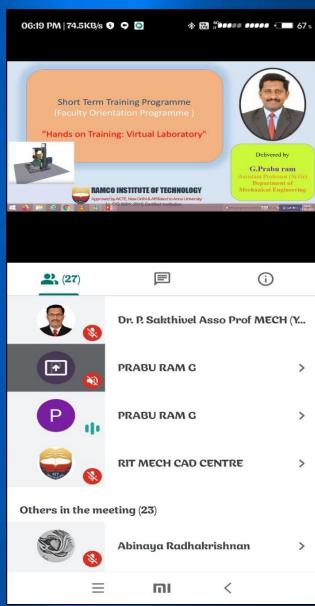
Ms G Sandhya, Asst. Professor, Dept. CSE. of attended International Faculty Development Programme "Cloud Infrastructure and Services" organised by Bannari Amman Institute of Technology, Sathyamangalam during 05-09 August 2020.

CSE | FDP ON CLOUD INFRASTRUCTURE AND SERVICES



MECH | HANDS ON TRAINING: VIRTUAL LABORATORY"





Dr P Sakthivel, Assoc. Professor, Dept. of Mechanical Engineering, attended a Short Term Training Programme on "Hands on Training: Virtual Laboratory" organised by Ramco Institute of Technology, Rajapalayam on 07 August 2020.

CIVIL | FDP ON STRUCTURAL HEALTH MONITORING OF SEISMIC PROTECTION OF STRUCTURES AND INDUSTRIAL STRUCTURES



Mr R Ramesh and Ms S Muthukeerthana, Asst. Professors, Dept. of Civil Engineering, attended the AICTE Sponsored STTP on "Structural Health Monitoring of Seismic Protection of Structures and Industrial Structures" organised by Bannari Amman Institute of Technology, Sathyamangalam during 03-08 August 2020.

CIVIL | FDP ON INTELLECTUAL PROPERTY RIGHTS AND EFFECTIVE PATENT DRAWING





Department ofCivil Engineering

Presents this

CERTIFICATE

DR.V.SREEVIDYA

SRI KRISHNA COLLEGE OF TECHNOLOGY

For his/her active and invaluable participation in the One Week Short Term

Training Programme (STTP) on "Intellectual Property Rights and Effective

Patent Drafting" organized by Department of Civil Engineering,

Kumaraguru College of Technology, Coimbatore

conducted from 27 to 31 July 2020.

Head/CE

Dr. N. Ramsundram Kumaraguru College of Technology Principal

Dr.J.SrinivasanKumaraguru College of Technology

Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering, attended a one-week STTP on "Intellectual Property Rights and Effective Patent Drawing" organised by Kumaraguru College of Technology, Coimbatore during 27-31 July 2020.

EEE | FACULTY FDP ON SMART GRID



FACULTY OF ENGINEERING AND TECHNOLOGY



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SRM IST, RAMAPURAM.

CERTIFICATE OF PARTICIPATION

This to certify that Mr.T.Bharani Prakash from

Sri Krishna College of Technology Coimbatore

has participated in five days online international FDP on "SMART GRID" conducted between 27.07.2020 and 31.07.2020 by the Department of Electrical and Electronics Engineering, SRM IST, Ramapuram campus.

Dr.K.N.Srinivas HOD/EEE VP(Academic)



Dr.G.Selvakumar Dean(E&T)

Note: Digitally generated certificate and hence signature is not required

Mr T Bharani Prakash, Asst. Professor, Dept. of EEE, participated in a five-day online international FDP on "Smart Grid" organised by the Dept. of EEE, SRM Institute of Science and Technology, Chennai during 27-31 July 2020.

CIVIL | FDP ON LOW CARBON ENERGY BUILDINGS

Mr R Ramesh, Asst. Professor, Dept. of Civil Engineering, attended the AICTE Sponsored STTP on "Low Carbon Energy Buildings" organised by Mahendra Engineering College, Namakkal during 27 July-03 August 2020.



CIVIL | FDP ON APPLICATION OF REMOTE SENSING IN SOIL AND GROUNDWATER CONTAMINATION ASSESSMENT



Dr M Lenin Sundar, Professor, Dept. of Civil Engineering, attended the AICTE Sponsored **STTP** "Application of Remote Sensing Soil Groundwater in and Contamination Assessment" organised by Sri Krishna College of Engineering and Technology, Coimbatore during 03-08 August 2020.

EEE | FACULTY STTP ON ELECTRIC CARS TECHNOLOGIES AND MODERN POWER SYSTEM

KAMARAJ

COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

Department of Electrical and Electronics Engineering



AICTE SPONSORED SIX DAY ONLINE STTP

on

"ELECTRIC CARS TECHNOLOGIES AND MODERN POWER SYSTEM"-SERIES-I

27th July - 1st August, 2020

Certificate Of Participation

This is to certify that **LENINPUGALHANTH**, **AP/EEE** from **SRI KRISHNA COLLEGE OF TECHNOLOGY** has actively participated in the **AICTE SPONSORED SIX DAY ONLINE STTP ON "ELECTRIC CARS TECHNOLOGIES AND MODERN POWER SYSTEM" SERIES-I** organized by Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology (Autonomous), Madurai during 27th July -1st August, 2020.

Professor / EEE
Coordinator

Dr. S. Kalyani HoD/EEE Convener Dr. Anant Achary Principal

Mr P Leninpugalhanthi, Asst. Professor, Dept. of EEE, participated in the AICTE Sponsored six-day online STTP on "Electric Cars Technologies and Modern Power System" organised by the Dept. of EEE, Kamaraj College of Engineering and Technology, Madurai during 27 July-01 August 2020.

IT | STTP ON RECENT ADVANCEMENTS IN INTERNET OF THINGS FOR HEALTH CARE APPLICATIONS



R.M.D.ENGINEERING COLLEGE

(All Five UG Programs accredited by NBA up to 2023 & Institution Accredited by NAAC, Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai) R.S.M Nagar, Kavaraipettai-601206, Gummidipoondi Taluk, Tiruvallur Dt, Tamilnadu,India. Phone. No.+91-044-67919191. Website: www.rmd.ac.in



SIX DAYS AICTE SPONSORED ONLINE SHORT TERM TRAINING PROGRAMME (STTP)

ON

RECENT TRENDS AND CHALLENGES OF INTERNET OF THINGS IN AUTOMATION -II

Department of Electronics and Instrumentation Engineering

CERTIFICATE OF PARTICIPATION

This is to certify that Ms.V.Roopa of Sri Krishna College of Technology participated in the six days AICTE sponsored online short term training programme on "Recent Trends and Challenges of Internet of Things in Automation-II" organized by the Department of Electronics and Instrumentation Engineering from 03.08.2020 to 08.08.2020.

Shalin

Dr.G.Nalinashini Coordinator

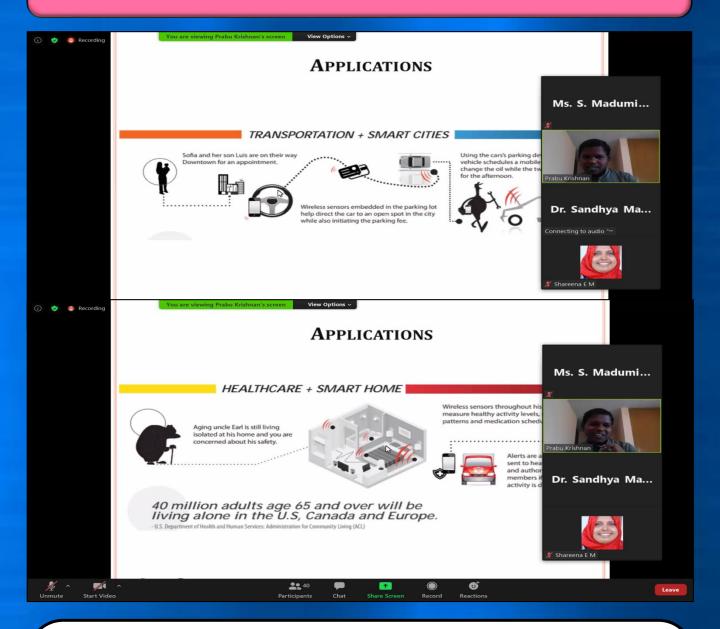
Dr. A. Chilambuchelvan Convener & HoD Sunday,

Dr. N.Anbuchezhian Principal 003

Thiru R.S.Munirathinam Founder-Chairman

Ms V Roopa, Asst. Professor, Dept. of IT, attended the AICTE sponsored six-day online STTP on "Recent Trends and Challenges of Internet of Things in Automation-II" organised by R M D Engineering College, Tiruvallur during 03-08 August 2020.

IT | STTP ON RECENT ADVANCEMENTS IN INTERNET OF THINGS FOR HEALTH CARE APPLICATIONS



Ms S Madumidha, Asst. Professor, Dept. of IT, has been attending the AICTE sponsored one-week online STTP on "Recent Advancements in Internet of Things for Health Care Applications" organised by Mount Zion College of Engineering and Technology, Pudukkottai during 10-15 August 2020.



CSE | PAPER PUBLICATION

Received: 16 January 2020 Revised: 4 July 2020 Accepted: 26 July 2020

DOI: 10.1002/dac.4575

RESEARCH ARTICLE

WILEY

An Energy-Proficient Clustering-Inspired Routing Protocol using Improved Bkd-tree for Enhanced Node Stability and Network Lifetime in Wireless Sensor Networks

Sengathir Janakiraman¹ | Deva Priya M.²

³Department of Information Technology, CVR College of Engineering, Vastunagar, Mangalpally, Telangana, 501 510, India ³Department of Computer Science & Engineering, Sri Krishna College of Technology, Kovaipadur, Coimbatore,

Correspondence

Tamil Nadu, 641 042, India

Sengathir Janakiraman, Department of Information Technology, CVR College of Engineering, Mangalpally, Vastunagar, Telangana, India. Email: j.sengathir@gmail.com

Summary

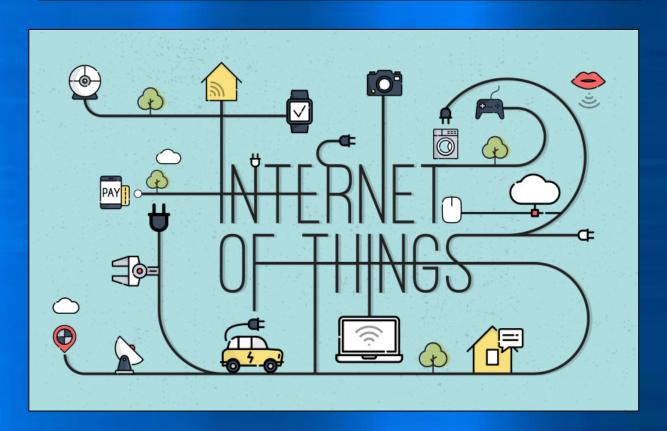
Energy conservation in Wireless Sensor Networks (WSNs) is essential for improving the stability of sensor nodes and network lifetime. An energyproficient clustering-based routing protocol is necessary for efficient cluster formation and Cluster Head (CH) selection to sustain Quality of Service (QoS). In this paper, an Improved Bkd-Tree-Inspired Energy-eFficient Clusteringbased Routing Protocol (IBkd-Tree-IEFCRP) is propounded as a potential strategy for guaranteeing significant cluster formation and management. It is proposed as an effective strategy in CH node allocation that handles the impacts of QoS during the process of data dissemination. This IBkd-Tree-IEFCRP is proposed to deal with energy saving with respect to data traffic by including a strategy of cluster formation which incorporates the benefits of partition data structure that incorporates an improved Bkd-tree algorithm. It also concentrates on the process of CH selection by integrating a reactive approach that enhances throughput with minimized energy, delay and jitter. The simulation experiments of the proposed IBkd-Tree-IEFCRP confirm a better performance in improving the average throughput by 13.21%, reducing the energy consumptions by 12.96%, minimizing the delay by 11.98% and reducing the jitter by 14.24% when compared to the baseline kdimensional tree algorithm (kd-tree algorithm), Weighting and Parameter Optimization-based Energy-Efficient Clustering Routing Protocol (WPO-EECRP), Improved Clustering by Fast Search and Finding of Density Peaks (ICFSFDP), and Energy-based Cluster Centered Routing Protocol (ECCRP) taken for comparison. The proposed IBkd-Tree-IEFCRP is also identified to reduce delay by 8.42% and jitter by 7.18% and increase throughput by 6.84% when compared to the benchmarked protocols for different number of rounds.

KEYWORDS

cluster head selection, clustering-based routing protocol, energy efficiency, improved Bkd-tree, network lifetime, wireless sensor networks

Dr M Deva Priya, Assoc. Professor, Dept. of CSE, published a paper titled "An Energy-Proficient Clustering-inspired Routing Protocol using Improved Bkd-tree for Enhanced Node Stability and Network Lifetime in Wireless Sensor Networks" in an International Journal of Communication Systems, Wiley (Indexed in SCIE, WoS, Scopus) (A1).

EEE | FACULTY PUBLICATION ON PATENT





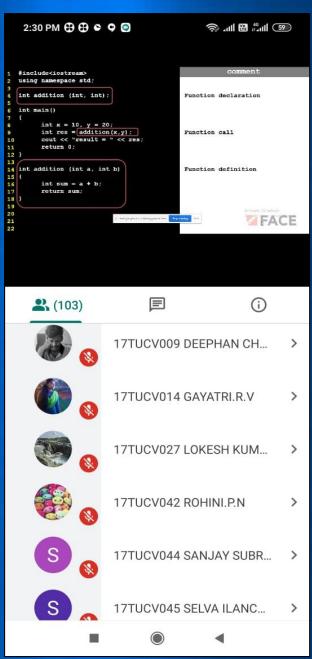


Dr P Ponmurugan, Assoc. Professor, Dept. of EEE, published a patent titled, "Off-grid Energy Kiosk System Using IoT" on 31 July 2020.



CIVIL | PLACEMENT TRAINING SESSION

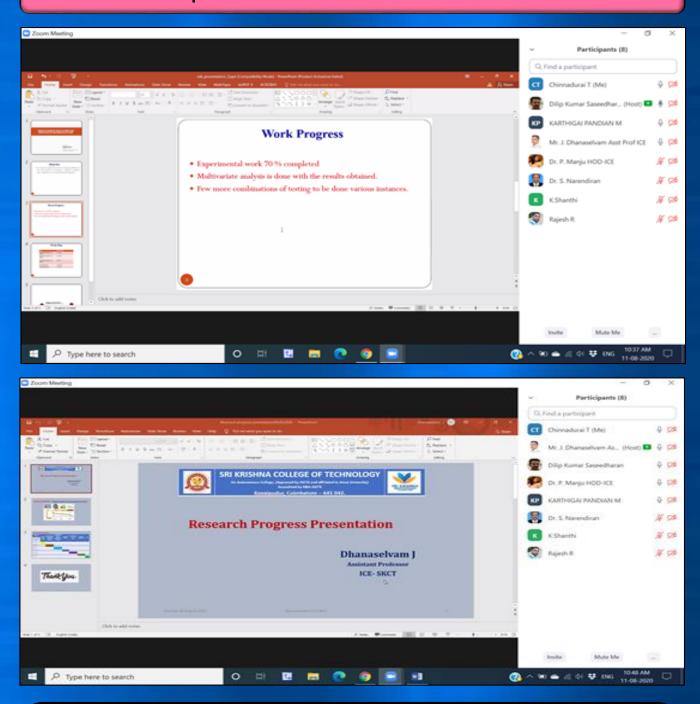




Students of Final B.E. Civil Engineering has been attending an Effective Face Training for their Software Companies Placement from 12 August 2020.

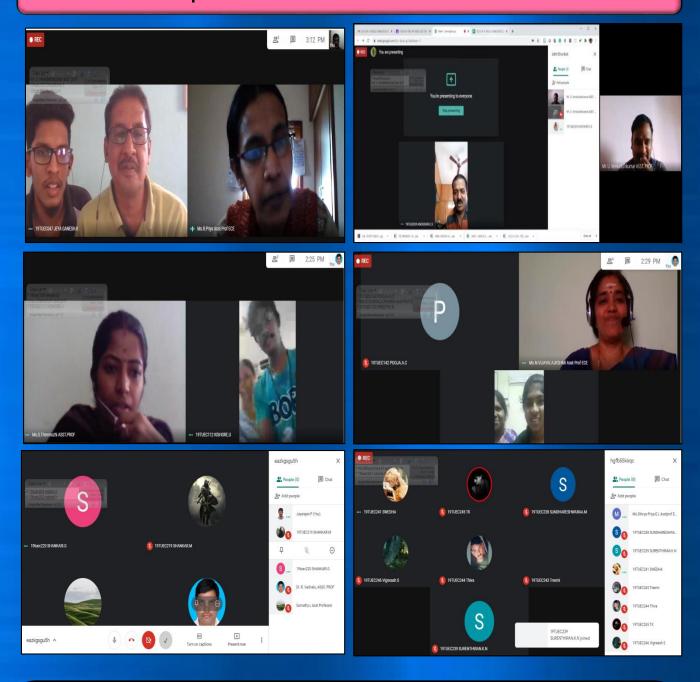


ICE | RESEARCH REVIEW MEETING



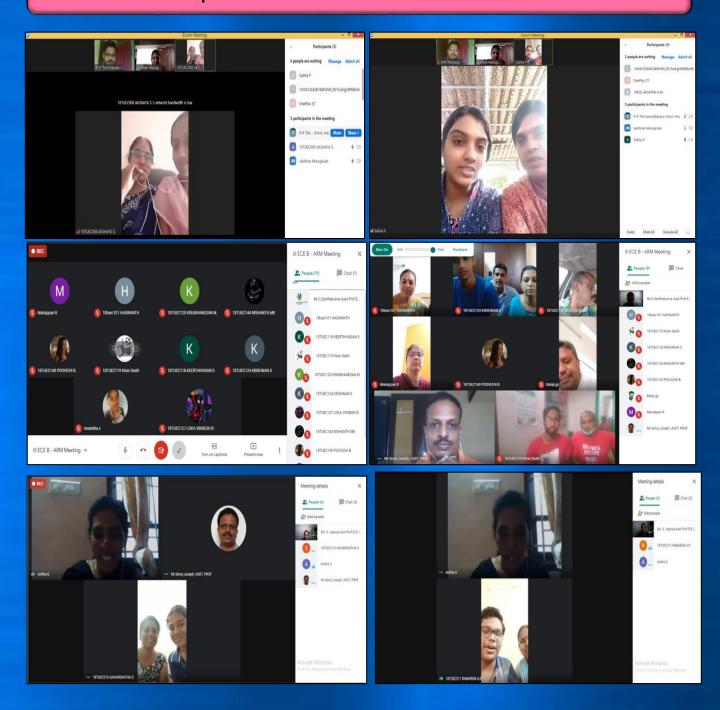
Mr S Dilip Kumar and Mr J Dhanaselvam, Asst. Professors, Dept of ICE, discussed the progress of their PhD work with Dr P Manju, Professor and Head, Dept. of ICE in Research Review Meeting on 11 August 2020.

ECE | ACADEMIC REVIEW MEETING



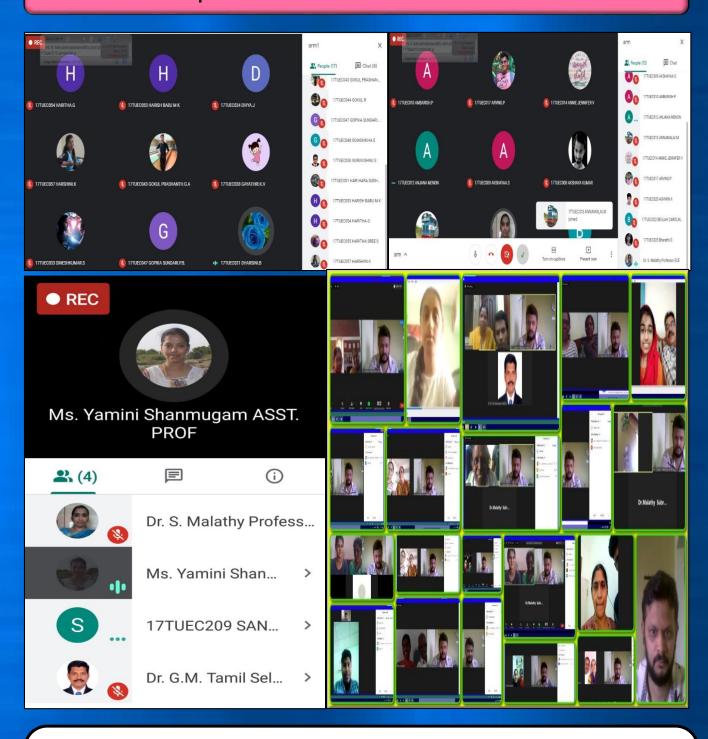
Tutors of Second B.E. ECE conducted the Academic Review Meeting with their respective wards regarding the progress of online classes, importance of attendance, and students' participation in project competitions on 08 August 2020.

ECE | ACADEMIC REVIEW MEETING



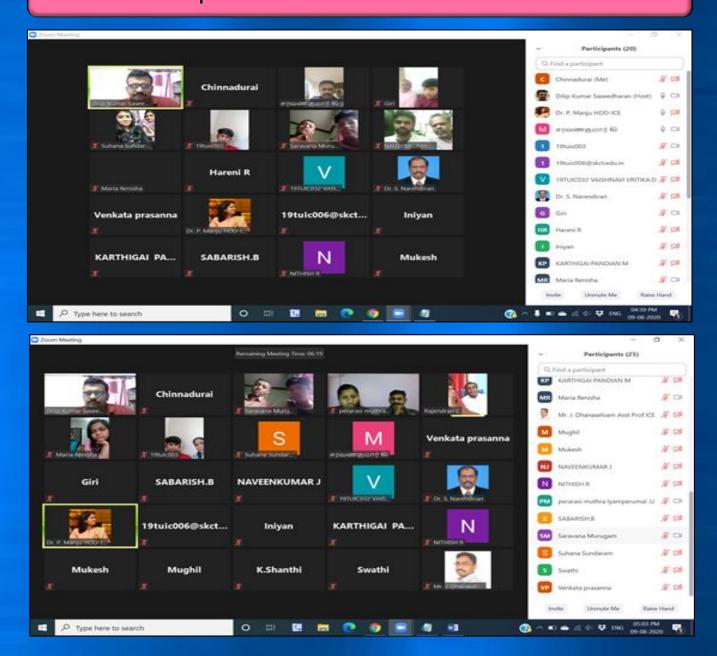
Tutors of Third B.E. ECE conducted the Academic Review Meeting with their respective wards regarding the progress of online classes and students' placement activities on 08 August 2020.

ECE | ACADEMIC REVIEW MEETING



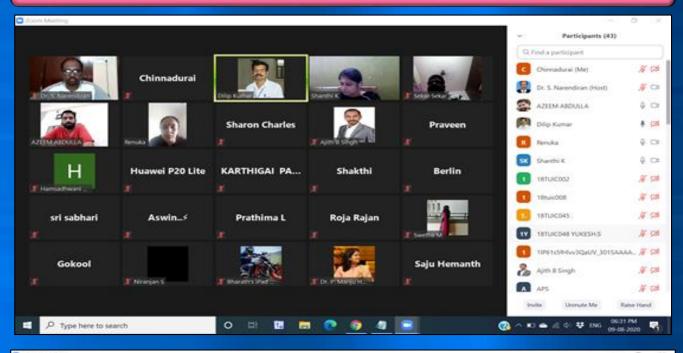
Tutors of Final B.E. ECE conducted the Academic Review Meeting with their respective wards regarding the progress of online classes and students' placement activities on 08 August 2020.

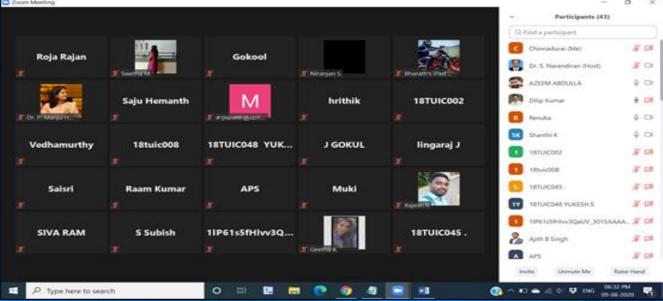
ICE | ACADEMIC REVIEW MEETING



The Members of Faculty from the Dept. of ICE conducted the Academic Review Meeting with the Students and Parents of Second B.E. ICE regarding the progress of online classes, performance of students in Continuous Internal Assessment – I and online certification course on 09 August 2020.

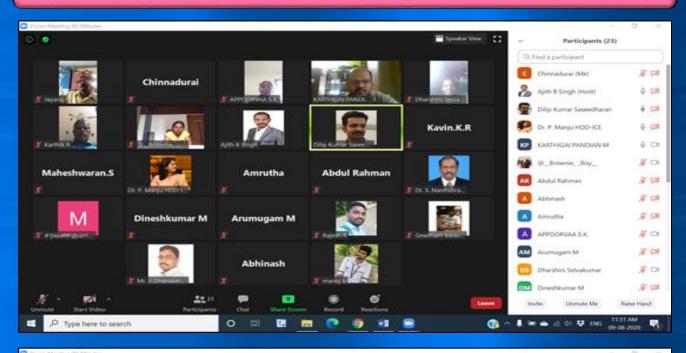
ICE | ACADEMIC REVIEW MEETING





The Members of Faculty from the Dept. of ICE conducted the Academic Review Meeting with the Students and Parents of Third B.E. ICE regarding the progress of online classes, placement statistics and internal test on 09 August 2020.

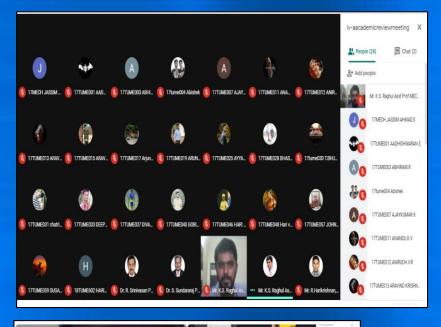
ICE | ACADEMIC REVIEW MEETING

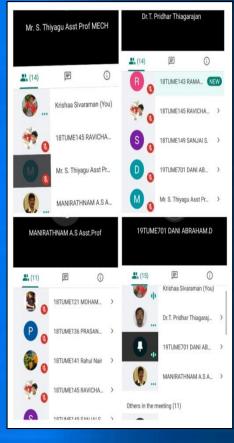


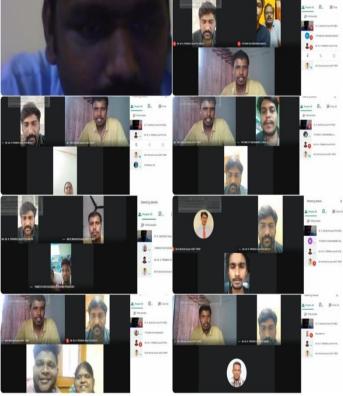


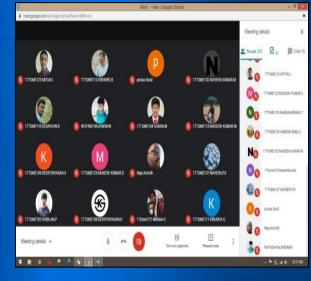
The Members of Faculty from the Dept. of ICE conducted the Academic Review Meeting with the Students and Parents of Final B.E. ICE regarding the progress of online classes, placement statistics and internal test on 09 August 2020.

MECH | ACADEMIC REVIEW MEETING









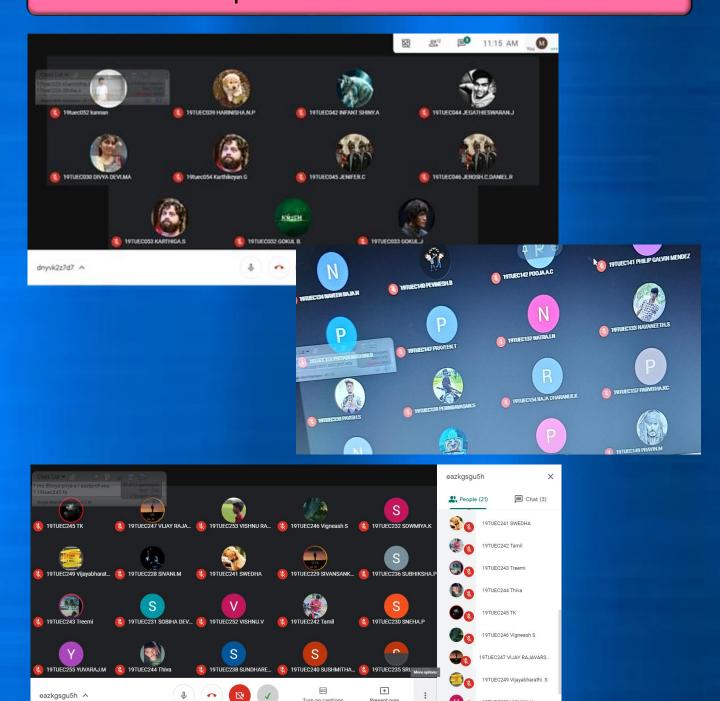
The Members of Faculty from the Dept. of Mechanical Engineering conducted the Academic Review Meeting with the Students on 08 August 2020.

IT | ACADEMIC REVIEW MEETING



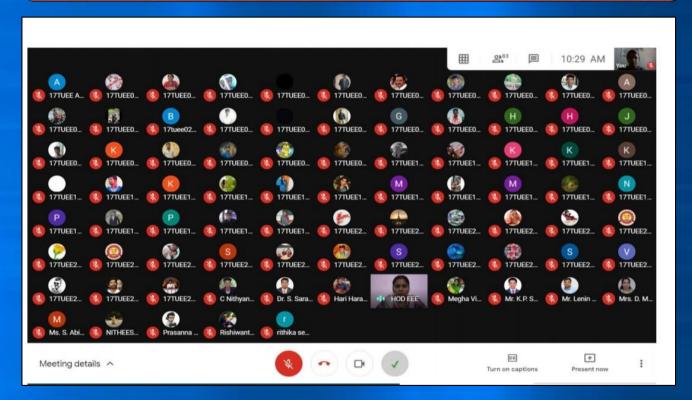
The Members of Faculty from the Dept. of IT conducted the Academic Review Meeting with the Students and Parents of Second, Third and Final B.E. IT regarding the progress of online classes, academic and placement activities on 08 August 2020.

ECE | TUTOR WARD SESSSION

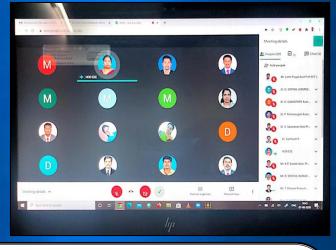


Tutors of Second B.E. ECE conducted Tutor Ward Meeting with their respective wards regarding the weekly activities and students' participation in an online project contests on 12 August 2020.

EEE | ACADEMIC REVIEW MEETING

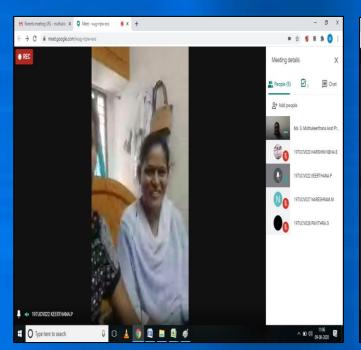


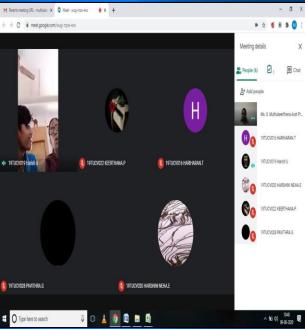




Dr K Lakshmi, Professor & Head (In-charge), Dept. of EEE, conducted the Academic Review Meeting with the Students and Parents of Second, Third and Final B.E. EEE regarding the Progress of Online Classes, Students' Performance in Continuous Internal Assessment – I, Academic and Placement Activities on 08 August 2020.

CIVIL | ACADEMIC REVIEW MEETING

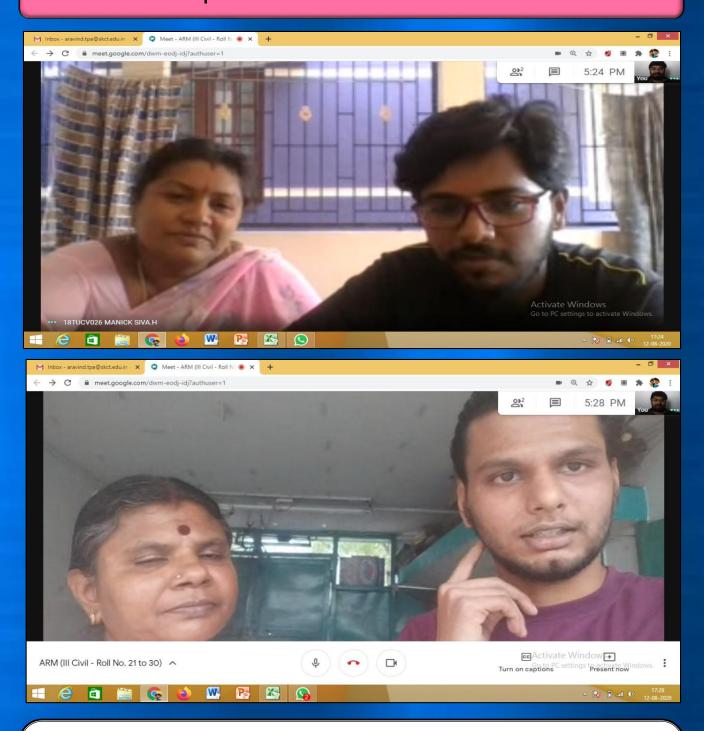






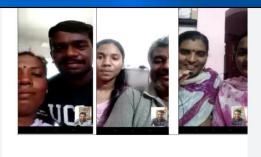
Tutors of Second B.E. Civil Engineering conducted the Academic Review Meeting with their respective wards regarding their performance in internal exams and extracurricular activities.

CIVIL | ACADEMIC REVIEW MEETING



Tutors of Third B.E. Civil Engineering conducted the Academic Review Meeting with their respective wards regarding their performance in internal exams and extracurricular activities.

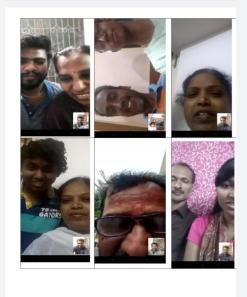
EEE | ACADEMIC REVIEW MEETING

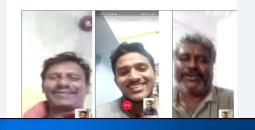












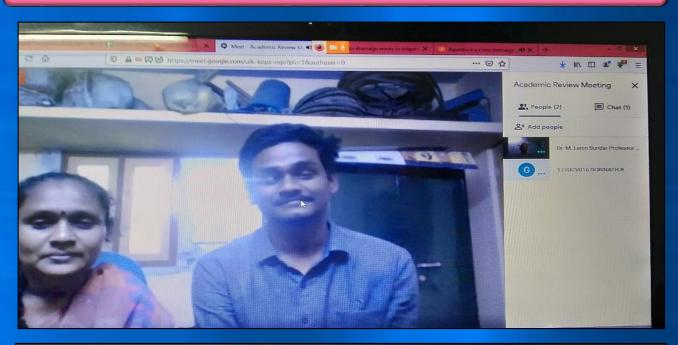
The Members of Faculty from the Dept. of EEE conducted the Academic Review Meeting with the Students and Parents of Second, Third and Final B.E. EEE regarding the Progress of Online Classes, Continuous Internal Assessment-I, Academic and Placement Activities on 08 August 2020.

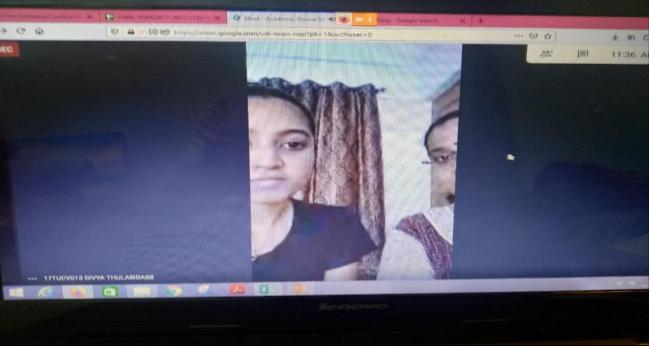
CSE | ACADEMIC REVIEW MEETING



The Members of Faculty from the Dept. of CSE conducted the Academic Review Meeting with their respective wards regarding their Performance in Continuous Internal Assessment, Academic and Placement activities.

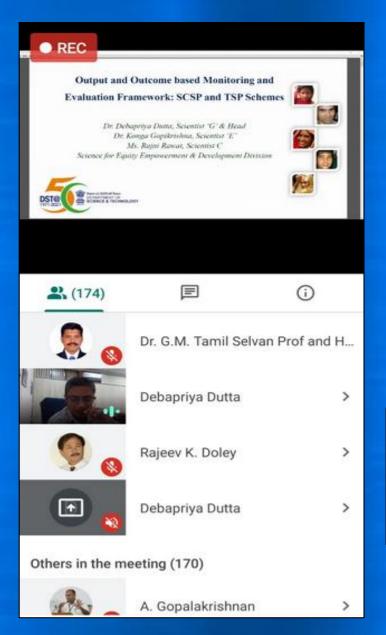
CIVIL | ACADEMIC REVIEW MEETING





Tutors of Final B.E. Civil Engineering conducted the Academic Review Meeting with their respective wards regarding their performance in internal tests and extracurricular activities.

ECE | DST MEETING

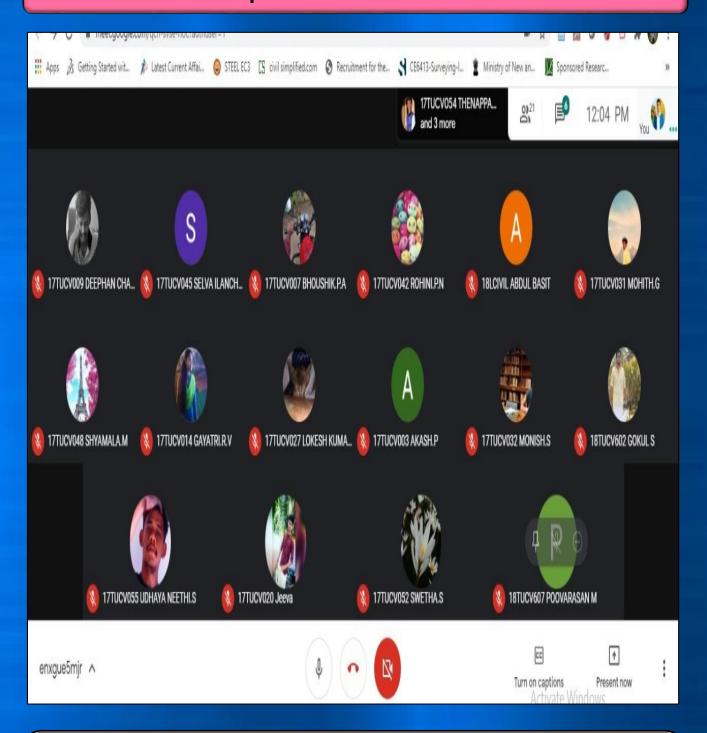






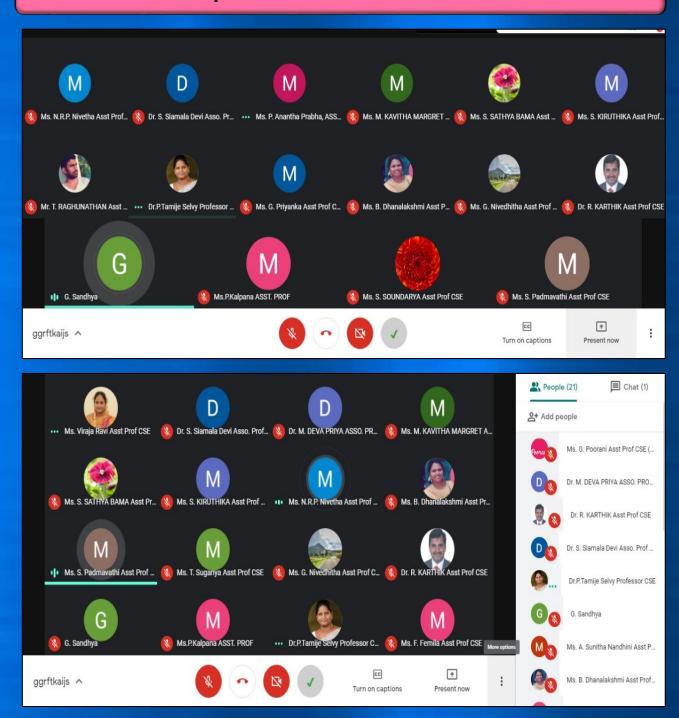
Dr G M Tamilselvan, Professor and Head, Dept. of ECE, attended a meeting on "Output and Outcome based Monitoring and Evaluation Framework: SCSP and TSP Schemes" organized by the Dept. of Science and Technology (DST) on 13 August 2020.

CIVIL | PLACEMENT MEETING



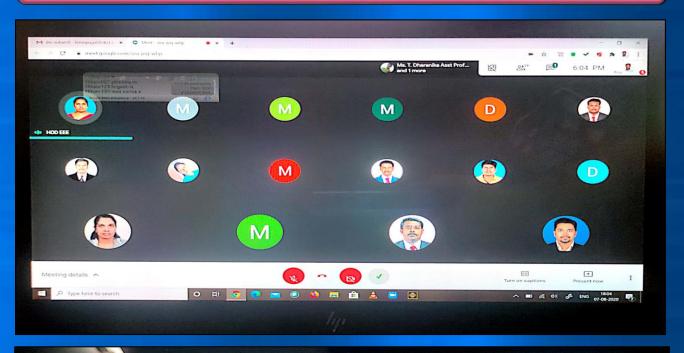
Dr I Padmanaban, Head & Placement Coordinator, Dept. of Civil Engineering, conducted a meeting with the Placement Interested Students to motivate them on 09 August 2020.

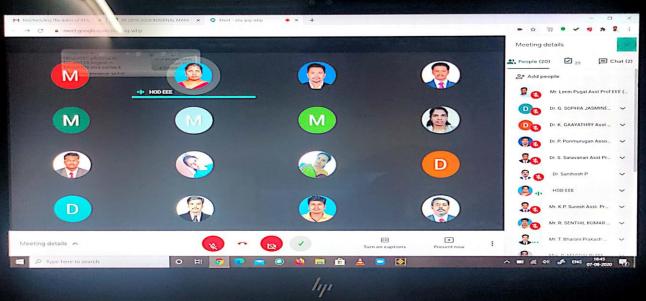
CSE | DEPARTMENT MEETING



Dr P Tamije Selvy, Professor, Dept. of CSE, conducted a meeting with the Members of Faculty regarding the Academic and Placement activities on 13 August 2020.

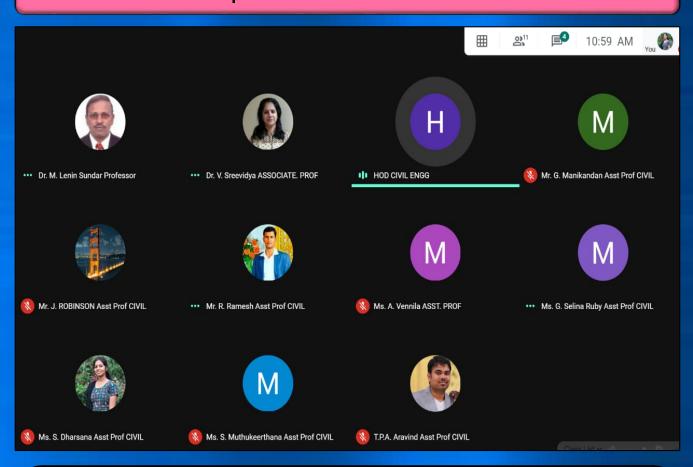
EEE | DEPARTMENT MEETING





Dr K Lakshmi, Professor & Head (In-charge), Dept. of EEE, conducted a meeting with the Members of Faculty regarding the Progress of Online Classes, Academic and Placement Activities on 07 August 2020.

CIVIL | DEPARTMENT MEETING



Dr I Padmanaban, Professor & Head, Dept. of Civil Engineering conducted a meeting with the Members of Faculty regarding the Progress of Online Classes, Academic Review Meeting, Syllabus Completion and Participation of students in extracurricular activities on 08 August 2020.

