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2nd to 8th October, 2021



e – Academia Special Issue: 82

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Dr.J.Janet
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Mrs.S.Mary Fabiola - S&H

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INSTITUTIONAL EVENTS



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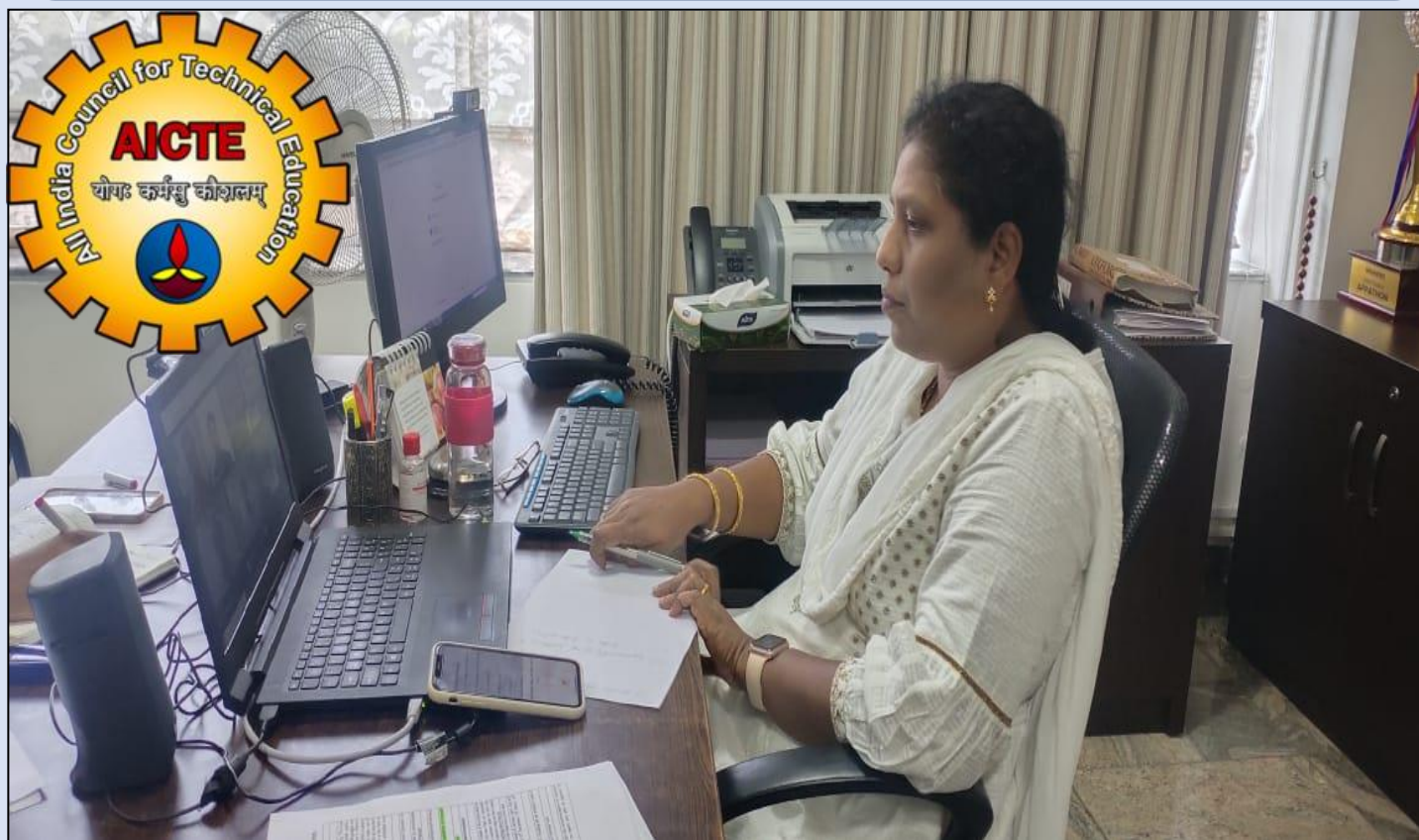


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PRINCIPAL MADAM - AICTE CURRICULUM COMMITTEE MEMBER



Principal Madam **Dr.J.Janet** has been selected as a **member** in the committee towards finalisation of the applicability of the subjects as per AICTE's **Model Curriculum** for 2nd year Degree and Diploma for the purpose of AICTE TBW scheme.

Madam attended an online meeting on 08.10.21.

Discussion Points:

- ❖ Brief on AICTE Technical Book Writing and translation scheme.
- ❖ Finalisation of subjects as applicable to 2nd year Degree and Diploma as per AICTE's Model Curriculum.



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HACKATHON ACCOLADES



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CSE | DHRITI'S SCRIPT4HER



Student team from **Second** year **CSE** has won **Second Place** in “**Dhriti's Script4her**” organized by **Government of Ministry of Skill Development & Entrepreneurship** and **NASSCOM Foundation** held during 27.09.2021 and 30.09.2021. The team has been awarded with a cash prize of **Rs.1 Lakh**

Project Title: Udyamee - Moving Forward

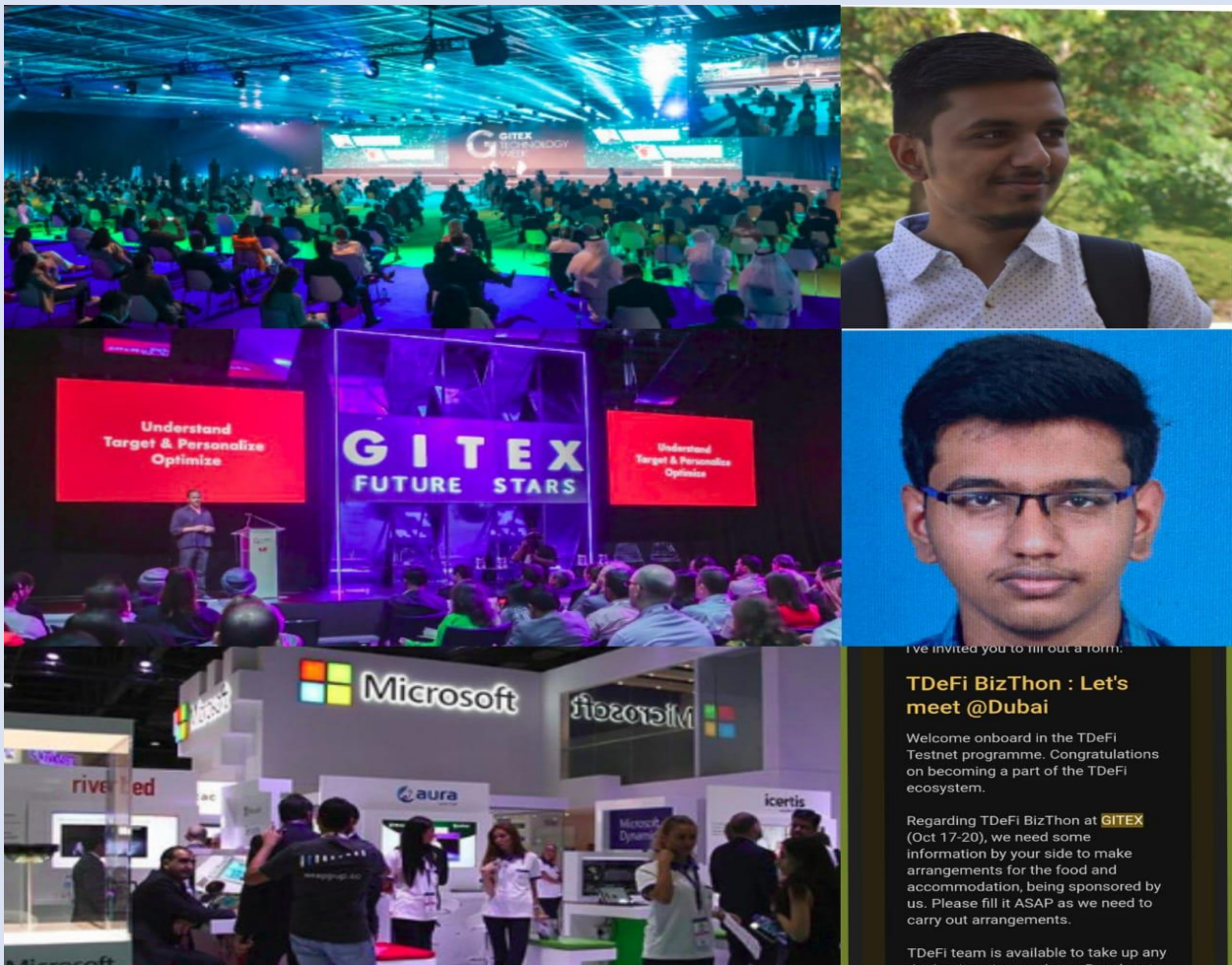
Team Members:

- Abirami Sivakumar - II CSE A
- Ashwin K Biju - II CSE A
- Aswathy H- II CSE A
- Barath RR - II CSE A

Mentor:

Ms A.Priya, AP/CSE

SKCET - PITCH THE PROJECT AT GITEX 2021, DUBAI



T.G.Bhuvanesh, student of **Second year M.Tech CSE** and **T. Kumaraguru** student of **Third year CSE** have been invited to pitch and present their projects at GITEX 2021 (Biggest IT Exhibition and Conference) organized by the World Trade Center, Dubai.

Our SKCET students has been invited and sponsored to present their ideas in one of their conferences called '**Future Block chain Summit**' at GITEX. They will be getting a chance to interact with the representatives from various tech giants like Microsoft, Lenovo, Cisco, AWS and Government entities.

Mentors

Dr.P. Kavitha Rani, HOD/CSE

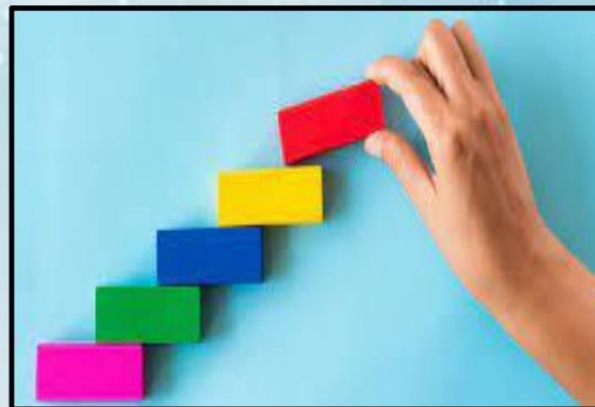
Ms.A. Priya, AP/CSE

<https://gitex.com/>

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STUDENT PROGRESSION



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IT | WRITERSPACE 1.0

Winners of **WriterSpace 1.0**
the article writing competition for
IEEE Day 2021



Winner
Shalani Avodya Anudini
General Sir John Kotelawala Defence University
Sri Lanka



2nd Place
Piyumi Prasandika
NSBM Green University
Sri Lanka



3rd Place
Harinie S E
Sri Krishna College of Engineering and Technology
India

Congratulations to all winners








WriterSpace 1.0

This certificate is awarded to

Harinie S E
of
Sri Krishna College of Engineering and Technology

For winning
the 3rd place
In
"Writerspace 1.0", the Article Competition of IEEE Day 2021

Organized by
IEEE Student Branch of NSBM

Harinie S E, student of **Second year IT A** has secured **Third** place in "**WriterSpace 1.0**" an **article writing** competition organized by IEEE Student Branch of NSBM University, Srilanka. She has written an article on **Cryptocurrency** highlighting the future of Altcoins and Bitcoins. She was mentored by **Dr. U. Barakkath Nisha**, Associate Professor, IT.

M.TECH CSE | INTERNSHIP @ INVENTERON



Karthikeyan M, Aadhithyan M, Akileswaran B, students of **Third year M.Tech CSE** have successfully completed internship on "**Full Stack Web Development**" from 01.09.2021 to 30.09.2021 at Inverteron Technologies and Business Solutions LLP, Bangalore.

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STUDENT CERTIFICATIONS



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CIVIL | COURSERA CERTIFICATION



Ramkumar, student of **Final year Civil Engineering**, has successfully completed an online certification course on “**Municipal Solid Waste Management in Developing Countries**” authorized by **École Polytechnique Fédérale de Lausanne** offered through Coursera.

MCT | FUNDAMENTALS OF DIGITAL MARKETING

Kishor G, student of **Second year Mechatronics Engineering** has successfully completed a course titled “**The Fundamentals of Digital Marketing**” offered through Google Digital Unlocked.



IT | CLOUD MASTER CLASS-DISCOVERY DAY



IT | CLOUD MASTER CLASS-DISCOVERY DAY



Following students from Second year **IT C** have participated in “**Cloud Master Class-Discovery Day**” organized by AWS.

SASMITHA S	VISHWESHWARAN M
YAMINISRI S	YUVASRI K B
THARUN KUMAR K K	SHYNI S
SUDHEV	VARUN S
SARUBALA	SIVAGANESH P
SIVASANKAR V	SHAHID KAREEM S

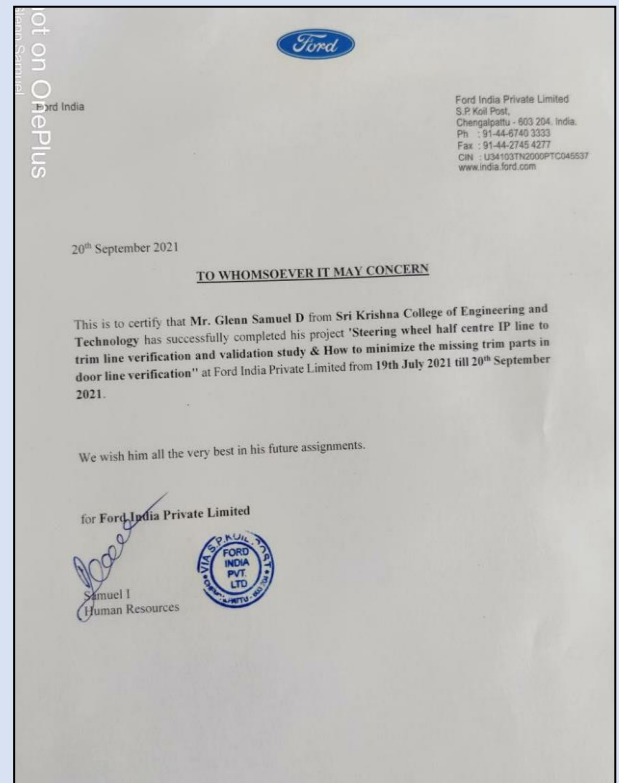
MECH | COURSERA CERTIFICATION



Vinay Shankar M S, Final year Mechanical Engineering student have successfully completed course on **'Entrepreneurship 1: Developing the opportunity'** authorized by University of Pennsylvania and offered through Coursera.

MECH | INTERNSHIP @ FORD

Glenn Samuel D, Final year Mechanical Engineering student has successfully completed his Internship training at **Ford India Private Limited** by completing the project entitled **'Steering wheel half center IP line to trim line verification and validation study & How to minimize trim parts in door line verification'** from 19.07.2021 to 20.09.2021.



CIVIL | SHORT TERM COURSE ON SOIL EXPLORATION



Jeevitha.N and Oviya. M Pre-final year students of **Civil Engineering** Department have completed a short course on “**Soil Exploration** organized by **IGS SC7-Student Chapter Activities and Continuing Education**” from 02.07.2021 to 07.08. 21 with B grade.

M.TECH CSE | STUDENTS CERTIFICATION



Karthikeyan M, Aadhithyan M, Akileswaran B, students of **Third M.Tech CSE** has attended one day Entrepreneurs meet on “**Investments Pitch**” conducted by Airobosoft Products and Services at Bangalore on 25.09.2021.

CSBS | COURSERA CERTIFICATION



Swathika C.A, student of **Second year Computer Science and Business System** has successfully completed **“AI for Everyone”** offered by Coursera during September 2021.

AI & DS | WHITEHAT JR CERTIFICATION

D. Pramesh Vinayak, student of **Second year Artificial Intelligence and Data Science** has successfully completed **WhitehatJr Artificial Intelligence Programming Curriculum Trial** provided by **WhitehatJr** on 01.10.2021.



AI&DS | CLOUD MASTER CLASS - DISCOVERY DAY



Following **Second** year students from the Department of **Artificial Intelligence and Data Science** has successfully participated in a Training program entitled “**Cloud Master Class – Discovery Day**” organized by **NASSCOM – Future skills Prime** on 29.09.2021.

S.No	Roll Number	Name
1	20EUAI007	CHARUNIVETHA G
2	20EUAI009	DEEPAK KUMAR D
3	20EUAI010	DHANUPRI A
4	20EUAI011	DHIVAKARAN V R
5	20EUAI012	GOKUL U
6	20EUAI013	HARI HARA CHANDAR B

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EVENTS



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IT | BUILDING A CAREER IN DATA SCIENCE AND ANALYTICS

Ramalingam Chellaram is presenting

Data Evolution - Reporting

> With evolution of RDBMS every organisation started to collect all their data in a structured way

- > Most of the collected are in normalised less than 2% are demoralised
- > Big draw back of normalised data is we can't collect logging data
- > No client server technology available and industry where struggling with report generation

11:46 AM | ibt-znpt-qwq

Ramalingam Chellaram is presenting

Evolution of Predictive Analytics

1990s: What happened?? Reporting (Data and statistical reporting)

2000s: Why did it happen?? Analytics (Data Mining, Data Warehousing)

2010s: What's happening?? What will happen?? Predictive Analytics (Predictive, prescriptive, prescriptive)

- Predictive Analytics
- Analytics
- Reporting

11:44 AM | ibt-znpt-qwq

Department of Information Technology organized a webinar on “Building a Career in Data Science and Analytics”. Mr. Ramalingam Chellaram, Senior Database Engineer, Oracle Corporation, Ireland was the Resource Person. The session highlights were; Insight into Data Science and Analytics in Industries, Job opportunities in Data Science and analytics, Languages, Tools, Certification courses to build a career in the domain of data science and analytics.

ECE | GROW YOUR CAREER WITH IEEE



IEEE student branch of Sri Krishna College of Engineering and Technology has organized a webinar on “**Grow your Career with IEEE**” for the **Second, Third and Fourth** year Students on 02.10.2021. **Miss. Akshya K**, Chairman, IEEE SB- SKCET delivered the welcome address. Resource person **Mr. Ashwanth B**, Treasurer, IEEE Madras Young Professionals Society, Chennai highlighted the skills that should be developed to excel in the corporate world. He also elaborated the benefits of IEEE and also explained about career with IEEE. Vote of thanks was proposed by **Mr. Arunachalam**, Treasurer, IEEE SB-SKCET.

CSBS | WEBINAR ON AN INSIGHT INTO DATA SCIENCE



SRI KRISHNA
COLLEGE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution, Accredited by NAAC with 'A' Grade.

Department of Computer Science
and Business System

**AN INSIGHT INTO
DATA SCIENCE**

<https://meet.google.com/czy-qwggk-mmx>

Dial-in: (US) +1 407-986-1014
PIN: 383 355 482#

**1st October 2021
5 PM - 6 PM**

Speaker



Dr. R. Raj Kumar
Assistant Professor,
Department of Data Science & Business Systems

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY,
KATTANKULATHUR, CHENNAI



Department of **Computer Science and Business System** has organised a Webinar entitled “**An Insight into Data Science**” for the **Third year CSBS** students on 01.10.2021. **Dr. R. Raj Kumar**, Assistant Professor, Department of Data Science and Business Systems, SRM Institute of Science and Technology, Chennai was the Resource Person.

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RESEARCH AND DEVELOPMENT



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R&D | JOURNAL PUBLICATION | EEE

Interciencia Journal ISSN: 0378-1844
2020 45(11)

AN NOVEL EVOLUTIONARY ENERGY- PRESERVE RATE CLUSTERING TECHNIQUE BASED WIND POWER GENERATION FORECASTING
N.Loganathan^{1*}, Dr.P.S.Mayurappriyan², Dr.K.Lakshmi³

¹Assistant Professor, Department of Electrical and Electronics Engineering, Sri Krishna College of Engineering and Technology, Coimbatore, India - 641008
²Professor, Department of Electronics and Instrumentation Engineering, Kumaraguru College of Technology, Coimbatore, India – 641049
³Professor and Head, Department of Electrical and Electronics Engineering, Sri Krishna College of Technology, Coimbatore, India -641042
*Corresponding Author: logukirsh@gmail.com

ABSTRACT
The significant growth of wind power has significant challenges due to the inconsistency and uncertainty of Wind Power Generation (WPG) to ensure the proper operation of power system. Mainly, the voltage and frequency fluctuations and harmonics have a high impact on the power generation and distribution system in any one case is high the power quality grid systems is reduced. This can be largely solved with proper design, advanced rapid response control facilities and optimization of power systems. The wind power calculation is a good approach to overcome the problem. This work, proposed a new type of Multi-term wind energy with the IEEE 30 bus forecasting system based on digital weather forecasting and error modification methods. A Novel technique based on the Evolutionary Energy- Preserve Rate Clustering (EEPRC) has been implemented to evaluate the probability ratio in wind error energy prediction. The error assessment model is also proposed in this paper, which has the advantage of estimating from real wind farms and statistical weather forecast data and has proven to be a nominal method for improving the predictive accuracy of Multi-term wind power generation. The main objective of the Preserve Rate Clustering method is to calculate the uncertainty real-time data with predicted value. The proposed wind forecasting system is utilized in the Coastal-area based energy generation also it has been demonstrated wind speed, wind power generation with its probability ratio has been evaluated with the EEPRC based forecasting technique, especially for its powerful predictive capability for the complex properties of the controller function.

Mr.N.Loganathan, Assistant Professor, EEE Department has published a paper entitled “An Novel Evolutionary Energy- Preserve Rate Clustering Technique Based Wind Power Generation Forecasting” in Interciencia Journal, ISSN: 0378-1844. It is a Scopus indexed journal.

R&D | PATENT PUBLICATION | EEE

Patent titled “Autonomous Fire Fighting Robot” has been published by **Dr.K.C.Ramya, HoD, EEE Department, Mr.N.Loganathan, Dr.Ramji Tiwari Assistant Professors, Dr.M.Senthilkumar, Dr.P.Vinoth Kumar Associate Professors, EEE in the IPR Journal identified with Application No: 202141037496 A on 24.09.2021.**

(12) PATENT APPLICATION PUBLICATION (19) INDIA (22) Date of filing of Application :15-08-2021	(21) Application No.202141037496 A (43) Publication Date : 24/09/2021
(54) Title of the invention : AUTONOMOUS FIRE FIGHTING ROBOT	
(51) International classification A62C00/20(200601), A62C00/30(200601), A62C00/40(200601), G08B00/25(140000), A62C00/37(200600)	(71) Name of Applicant : Mr. LOGANATHAN N Address of Applicant: ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS, SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, KUNIAMUTHUR, COIMBATORE - 641008 Name of Applicant : NA Address of Applicant : NA (72) Name of Inventor : 1)MAGANATH M S Address of Applicant : JG SCHOLAR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, KUNIAMUTHUR, COIMBATORE - 641008 2)Dr. M. SENTHILKUMAR Address of Applicant : ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, KUNIAMUTHUR, COIMBATORE - 641008 3)Dr. RAMJI TIWARI Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, KUNIAMUTHUR, COIMBATORE - 641008 4) LOGANATHAN N Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, KUNIAMUTHUR, COIMBATORE - 641008 5)Dr. P. VINOTH KUMAR Address of Applicant : ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, KUNIAMUTHUR, COIMBATORE - 641008 6)Dr. K.C RAMYA Address of Applicant : PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, KUNIAMUTHUR, COIMBATORE - 641008 7)RAJESH S Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, R.M.K. ENGINEERING COLLEGE, KAVARAJPETTA 8)MURALI MANOHAR P Address of Applicant : JG SCHOLAR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, KUNIAMUTHUR, COIMBATORE - 641008 9)KALIDAS K R Address of Applicant : JG SCHOLAR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, KUNIAMUTHUR, COIMBATORE - 641008
(86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:/PCT/ 03/01/1990 :NA :NA :NA :NA
(57) Abstract: Human life relies on the security of one's home, laboratory, office, industry, and building. It's essential to have an intelligent multi-sensor-based security system with a fire-fighting robot. Electrically generated destructive items are the most common source. It's because the current security system is unable to detect dangerous situations, as well as to warn of minor items produced by electrical appliances. With manual actions, the operator may take a long time to extinguish the fire by searching for a water supply. It can be harder to identify a little heated area and spot and even more challenging to get a fire extinguisher to the place. The Autonomous fire extinguishing system based on a simple algorithm is proposed to detect fire and measure the distance from the fire source. While the robot is on its way to extinguish the fire, a centrifugal pump is activated with the sensors to disseminate the water for effective fire extinguishment. The speed of the water is substantially lowered as a result of the employment of water dispersion. The sequential monitoring with the readings is used to test the sensitivity of these sensors at various times of day and distances. No. of Pages : 10 No. of Claims : 4	
The Patent Office Journal No. 39/2021 Dated 24/09/2021 43669	

R&D | ARTICLE PUBLICATION | MECH

Design Engineering

ISSN: 0011-9342 | Year 2021
Issue: 6 | Pages: 8450- 8458

The mechanical behavior effect of FDM process by using PA6 and PA66 for varying its infill density on a rectilinear pattern

Roshan VKNSS^a, K.kandasamy^b, Guru Anandan^c, A.Thiruvenkatababujibaskaran^c, M.S.Srinidhi^d

^aUG Student, Department of Mechanical Engg, Hindustan Institute of Technology and Science, Coimbatore, India

^bAssistant Professor, Department of Mechanical Engineering, Rathinam Technical Campus, Coimbatore, India

^cResearch Scholar, Department of Mechanical Engineering, Vellore Institute of Technology, Vellore, India, India

^dAssistant Professor, Department of Mechanical Engg, Sri Krishna college of Engg&Tech, Coimbatore, India

*Corresponding author E-Mail ID: hannumantha.ram@gmail.com

Mr. M S Srinidhi, Assistant Professor, Mechanical Engineering has published a scientific article entitled 'The mechanical behavior effect of FDM process by using PA6 and PA66 for varying its infill density on a rectilinear pattern' in Design Engineering Journal. It is a Scopus indexed journal.

R&D | PATENT PUBLICATION | EEE

Patent titled "An IoT and Artificial Intelligence based System for Wheel Chair Control" has been published by Mrs. R. Geethamani, Assistant Professor, EEE Department in the IPR Journal identified with Application No: 202141033560 A.

(12) PATENT APPLICATION PUBLICATION	(21) Application No. 202141033560 A
(19) INDIA	
(22) Date of filing of Application :26/07/2021	(43) Publication Date : 06/08/2021
(54) Title of the invention : AN IOT AND ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR WHEEL CHAIR CONTROL	
(51) International classification	(71) Name of Applicant : 1) Mr. Abhilash S S Address of Applicant : Assistant Professor, Department of Mechanical Engineering, Sree Chitra Thirunal College of Engineering Trivandrum, Kerala 695018 Kerala India
(31) Priority Document No	:A61G0005100000, 2) Mr. Dilip Kumar Bagal
(32) Priority Date	:A61G0005040000, 3) Dr. Asheesh Kumar
(33) Name of priority country	:A61G0003060000, 4) Dr. P. Satheeshkumar
(86) International Application No	:A61G0005000000, 5) Dr. Nikhil R
Filing Date	:A61G0005020000 6) Dr. P. Selvakumar
(87) International Publication No	:NA 7) Mr. Mohamed Rafi M
(61) Patent of Addition to Application Number	:NA 8) Pournima Ravindra Rane
Filing Date	:NA 9) Mrs. R. Geethamani
(62) Divisional to Application Number	:NA 10) Dr. M. Charles Arockiaraj
Filing Date	:NA (72) Name of Inventor : 1) Mr. Abhilash S S 2) Mr. Dilip Kumar Bagal 3) Dr. Asheesh Kumar 4) Dr. P. Satheeshkumar 5) Dr. Nikhil R 6) Dr. P. Selvakumar 7) Mr. Mohamed Rafi M 8) Pournima Ravindra Rane 9) Mrs. R. Geethamani 10) Dr. M. Charles Arockiaraj

R&D | PATENT PUBLICATION - EEE

Application Details	
APPLICATION NUMBER	202141038239
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/08/2021
APPLICANT NAME	1. Dr. M. MOHAMED ISMAIL 2. DR. G. MADASAMY RAJA 3. MR. SASIKUMAR PERUMAL 4. MR. MELKAMU TSGAYE EMIRU 5. DR. TEJAS H THAKKAR 6. DR. DHANANJAY KANJIBHAI DHRUV 7. DR. RENJITH P N 8. DR. A. ASKARUNISA 9. DR. S. SIVARANJANI 10. Dr. A. SYED MOHAMMED MUJAHEER 11. Dr. P. SENTHILKUMAR 12. MR. M.MUTHUKUMAR
TITLE OF INVENTION	INTERNET OF THINGS BASED DOOR SECURITY ALARAM CONTROLLED BY GOOGLE ASSISTANT
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	iprassistance@yahoo.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	03/09/2021

Patent titled “Internet of Things Based Door Security Alarm Controlled by Google Assistant” submitted by Dr. S. Sivaranjani, Associate Professor, EEE Department has been published in the IPR Journal identified with Appl.No: 202141038239 A on 03.09.2021.

R&D | PATENT PUBLICATION - EEE

The Patent titled “The Modeling of Hybrid Systems Used in Electric Vehicles” Submitted by Dr.T. Kokilavani, Assistant Professor, EEE Department has been published in the IPR Journal identified with Appl.No: 202141038177 A on 24.09.2021.

Application Details	
APPLICATION NUMBER	202141038177
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/08/2021
APPLICANT NAME	1. Mr.S.RADHA KRISHNA REDDY 2. Ms. SHANMUGA PRIYAT 3. Ms. PRADHA 4. Dr.T.KOKILAVANI 5. Ms. GUNAPRIYA DEVARAJAN 6. Mr. VAIBHAV SUBHASH KALE 7. Mr. RAMASHIS BANERJEE 8. Prof. NAHAMED HUSSAIN ASIF 9. Dr.B.KARUNAMOORTHY 10. Prof. SAROJINI DEVIM
TITLE OF INVENTION	THE MODELING OF HYBRID SYSTEMS USED IN ELECTRIC VEHICLES
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	mail2patentipr@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	24/09/2021

R&D | PAPER PUBLICATIONS | ECE

ieeexplore.ieee.org/document/9532626

Conferences > 2021 Second International Con...

IoT Based Air Quality System

Publisher: IEEE [Cite This](#) [PDF](#)

Asha Saru S.M., Sethu Venkatesh., Manoj Abhishek David., Samuel Divina Star., Siddarth. All Authors

4 Full Text Views

Abstract

Abstract:
By This research work attempts to IoT based pollution detection system by connecting the developed system to the internet, where pollution from everywhere is detected. Air quality will be displayed on the LCD as well as in the Webpage in PPM as it can be easily detected. The designed air quality system is optimized with an accurate result. This system is developed by using Node MCU Microcontroller. The use of detector has delivered stability features as a rapid response recovery. Air pollution is generally caused by the combination of fossil fuels with smoke and emissions from cars and trucks and other vehicles. The level of air pollutions is increasing constantly and rapidly by the increasing existence of industries, vehicles, etc. The proposed system detects the air quality and displays it in the web page by using internet.

Document Sections

- I. Introduction
- II. Related Works
- III. Proposed System
- IV. Working Methodology
- V. Experimental Analysis and Results

Published in: 2021 Second International Conference on Electronics and Sustainable Communication Systems (ICESC)

Date of Conference: 4-6 Aug. 2021 DOI: 10.1109/ICESC51422.2021.9532626

Show Full Outline ▾

Date Added to IEEE Xplore: 23 September 2021 Publisher: IEEE

Authors

ISBN Information: Conference Location: Coimbatore, India

ieeexplore.ieee.org/document/9532857

Conferences > 2021 Second International Con...

An Arduino-Based Robotic Arm with Speech Recognition

Publisher: IEEE [Cite This](#) [PDF](#)

Ruth Anita Shirley D., Kavya Sree B., Kavya M., Kishore S., Mohamed Atsal M. All Authors

1 Full Text View

Abstract

Abstract:
The primary goal of this paper is to enable better interaction through virtual world input to control a robotic arm, enabling the users to interact with the real world and making the entire process user friendly. There are many kinds of arms which have been used for industrial purpose. The arm that is proposed in this paper is specifically designed to help the physically challenged. A normal person with an arm is different from the physically challenged persons who can be able to do his own work by himself. The proposed robotic arm serves to aid these people in helping them. Electronics, plastics, consumer goods and food are some of the areas in which the industrial robots find applications. There is also need for these robots in automotive industry and much work is concentrated in that domain in recent times.

Document Sections

- I. Introduction
- II. Need for the Project
- III. Related Work
- IV. Proposed Work
- V. Results and Discussions

Published in: 2021 Second International Conference on Electronics and Sustainable Communication Systems (ICESC)

Date of Conference: 4-6 Aug. 2021 DOI: 10.1109/ICESC51422.2021.9532857

Show Full Outline ▾

Date Added to IEEE Xplore: 23 September 2021 Publisher: IEEE

Authors

ISBN Information: Conference Location: Coimbatore, India

ieeexplore.ieee.org/document/9532997

Conferences > 2021 Second International Con...

IoT based Smart Baby Monitoring

Publisher: IEEE [Cite This](#) [PDF](#)

Vivekvaran C., Nishanth S., Sudha R., Kingson Kumar M., Karthikeyan J., Mohammed Rishid A. All Authors

5 Full Text Views

Abstract

Abstract:
In the modern world, the growth of cell phones and the internet results in the recognition to Internet of Things (IoT). An example of such is the usage of cell phones by the working women to watch the baby cradle system. This system takes the at most steps to reduce the possibility of the baby cry when the sound is detected. Initially, when the baby cry sound is detected, the cradle starts swinging automatically. If the cry sound of the baby is not able to control over a particular time, now the baby needs the personal attention and it must be looked after immediately. It also checks whether the mattress within the cradle is wet or not. Also for the second condition the camera module will capture the video surveillance of the baby. A small fan with a temperature sensor will also be placed to turn it on and off based on room temperature. All these information are gathered and transferred to the cloud, from there the data will be sent as an email to the parents phones with all parameters.

Document Sections

- I. Introduction
- II. Proposed Works
- III. Related Works
- IV. Result
- V. Conclusion

Published in: 2021 Second International Conference on Electronics and Sustainable Communication Systems (ICESC)

Date of Conference: 4-6 Aug. 2021 DOI: 10.1109/ICESC51422.2021.9532997

Show Full Outline ▾

Date Added to IEEE Xplore: 23 September 2021 Publisher: IEEE

Authors

ISBN Information: Conference Location: Coimbatore, India

ieeexplore.ieee.org/document/9532897

Conferences > 2021 Second International Con...

A Systematic AR based ATM model to Enhance Security and Safety

Publisher: IEEE [Cite This](#) [PDF](#)

P. Saravesh., Priyadarshini K., Dinesh Kumar J. R., S. Naren., M. Ashwin., T. Kavim. All Authors

4 Full Text Views

Abstract

Abstract:
Touch less association is conceivable with increased reality innovation, which uses motion and cooperation regulator sensors to make an extension among virtual and genuine conditions. The concept of Enlarged Truth is a breakthrough in which correspondence between a person and a computer produces two-dimensional or three-dimensional objects in stages. Expanded reality can include critical capabilities and evidence in its implementation. Augmented reality (AR) is the only requires a tool similar to a camera and capture images by marking the article without the use of a marker arranged from the surrounding environment to create true 3D objects. Increased Reality technology development is simple and transparent, so it can function as a unique interface or an information arrangement. As a result, the idea developed independently to create AR apps that assists the house marketing office in the housing market in pointing out a 3D object of the advertised house. As a result, with genuine look 3D products, the expected purchasers get more intelligent information. This study employs Vuforia (OCAR) programming to implement augmented reality in mobile devices for home marketing. Within the shooting of 3D objects, Vuforia provides comfort to the Android flexible level (AR).

Document Sections

- I. Introduction
- II. Literature Survey
- III. System Design
- IV. Results and Discussions
- V. Conclusion

Published in: 2021 Second International Conference on Electronics and Sustainable Communication Systems (ICESC)

Date of Conference: 4-6 Aug. 2021 DOI: 10.1109/ICESC51422.2021.9532897

Show Full Outline ▾

Date Added to IEEE Xplore: 23 September 2021 Publisher: IEEE

Authors

ISBN Information: Conference Location: Coimbatore, India

R&D | PAPER PUBLICATIONS | ECE

The screenshot shows the IEEE Xplore digital library page for the paper "Logistic Regression Based Conveyor Control for Material Handling Process". The page includes the title, publisher (IEEE), authors (A.R. Rincy, Sruthi S, Yazhini K, Jayanthi Sree, Albert Raj A), and an abstract. The abstract discusses increasing efficiency and reducing human errors in automation for material handling processes using logistic regression. It mentions that the proposed method offers accurate results and saves 13% more energy compared to conventional methods. The paper was published in the 2021 Second International Conference on Electronics and Sustainable Communication Systems (ICESC).

Following faculty members and students from the Department of **ECE** has presented and published a paper in 2021 Second International Conference on Electronics and Sustainable Communication Systems (ICESC). It is a Scopus Indexed IEEE Conference.

Name of the Authors	Title of the Paper
Asha Banu S.M; Sethu Venkatesh; Manoj Abishek David; Samuel Divine star; Siddarth	IoT Based Air Quality System
Ruth Anita Shirley. D; Kaviya Sree B; Kavya M; Kishore S; Mohamed Afsal M	An Arduino-Based Robotic Arm with Speech Recognition
Visvesvaran C; Nishanth S; Sudha R; Kingson Kumar M; Karthikeyan J; Mohammed Rinish A	IoT based Smart Baby Monitoring
P. Sarvesh; Priyadharsini. K; Dinesh Kumar J. R; S. Naren; M. Ashwin; T. Kavim	A Systematic AR based ATM model to Enhance Security and Safety
A R. Rincy; Sruthi S; Yazhini K; Jayanthi Sree; Albert Raj A	Logistic Regression Based Conveyor Control for Material Handling Process

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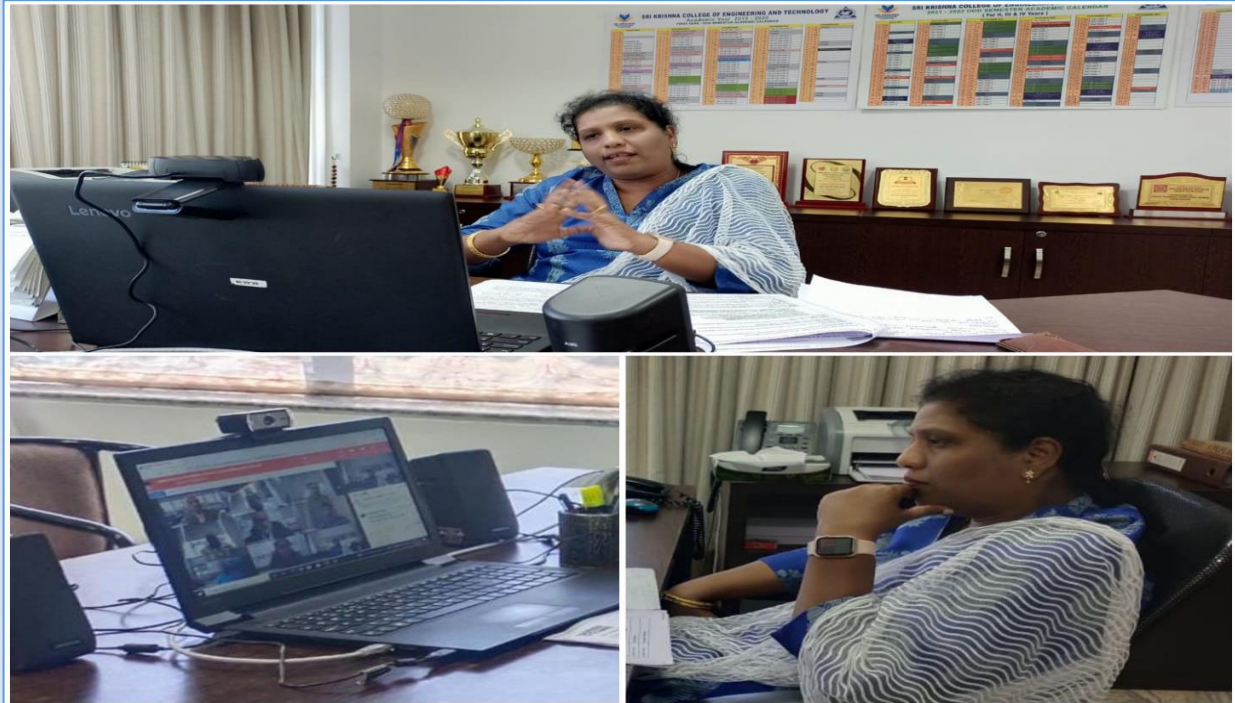


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CAMPUS PLACEMENT KEY HIGHLIGHTS AMIDST THE PANDEMIC AT COLLEGEDUNIA CONNECT



Principal Madam **Dr.J.Janet** was the esteemed special invitee panel speaker at ‘**Connect**’ organized by **Collegedunia**. Madam delivered an excellent oration on the topic “**Importance of Soft Skills in the new Campus placement Scenario**”.

Highlights of the Panel Discussion:

- *Changes universities have experienced in the virtual campus placement scenarios
- * Expectations of recruiters in the time of virtual learning
- * Impact in front of recruiters in the virtual hiring process
- * Importance of communication skills in the virtual hiring process

PLACEMENT | TESTIMONIAL BY PLACED STUDENTS



I am highly grateful to be part of such diverse campus as Sri Krishna College of Engineering and Technology. SKCET has been an institute which has helped me nurtures my skills as an engineer and grows in leaps and bounds. SKCET has given me the support and confidence to grow both personally and professionally. Our college campus is one of the most beautiful campuses with greenery around and provides various facilities from a well-stocked library to well-equipped laboratories. The placement cell and the faculty members have been putting their best efforts to ensure that each and every student has a job in hand. The constant support provided by the placement officer has given us the confidence to do well in our placements. I would like to express my gratitude for their tireless efforts in getting me and others getting recruited in the companies .This college has been the most delightful journey of my life and I will always remember and cherish every moment of my life spent here.

PRATHUMAN, MCT(2021 BATCH)
LTI

“Think Different” that is one thing that SKCET urges in and to far extent succeed in teaching to its students which invariably helps to achieve what you need. It nourished me and thus gave me an opportunity to define me. I would like to appreciate the placement cell at SKCET for the efforts they made for providing a fair and ample amount of chances to us students. The faculty members worked so hard on our overall development and conducted extra classes for us to enhance our technical and interpersonal skills. I loved my time here at SKCET. Thanks to my parents, SKCET Management, Principal and the entire SKCET family for the wonderful opportunity.

SHOPIKA P K, ECE (2021 BATCH),
Temenos



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TUTOR WARD MEETING



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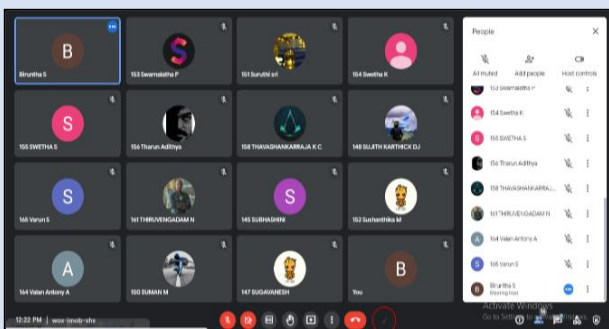
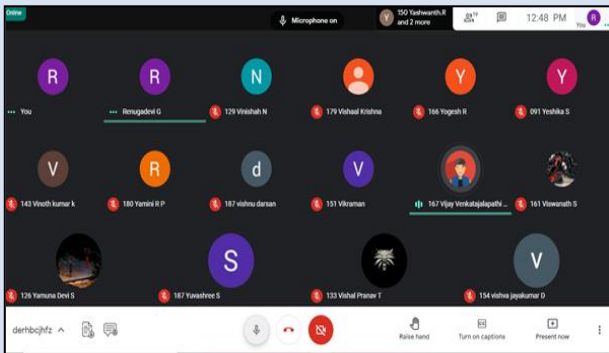


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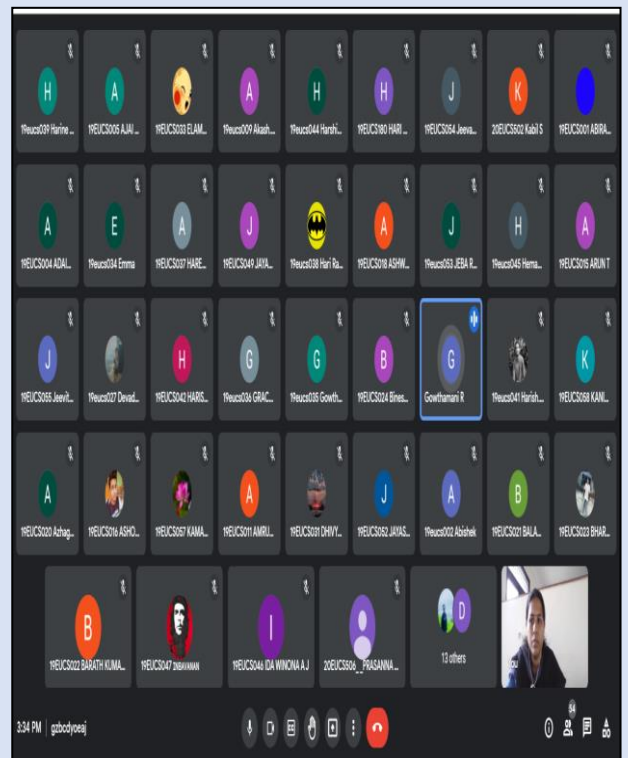
CSE | TUTOR WARD MEETING - II YEAR



Ms.G.Renugadevi, Ms.S.Biruntha and Mr.D.Mansoor Hussain, Assistant Professors, **CSE** conducted **Tutor Ward Meeting** for the **Second year CSE 'C'** students through Google Meet on 01.10.2021. Feedback on regular classes, Attendance, Hackathons, NPTEL Course Registration, Deep Vision Tech Hackathon Registration status and Mode of final Examination were the agenda of the meeting.

CSE | TUTOR WARD MEETING - III YEAR

Ms.R.Gowthamani and Ms.M.Rohini, Assistant Professors, **CSE** have conducted **Tutor Ward Meeting** for the **Third year CSE A** students on 04.10.2021. The Key Points of discussion were: Importance of placement and training classes, Hackathon participations, Project contests, Academic classes follow-up, Syllabus completion and CIA 2 performance.

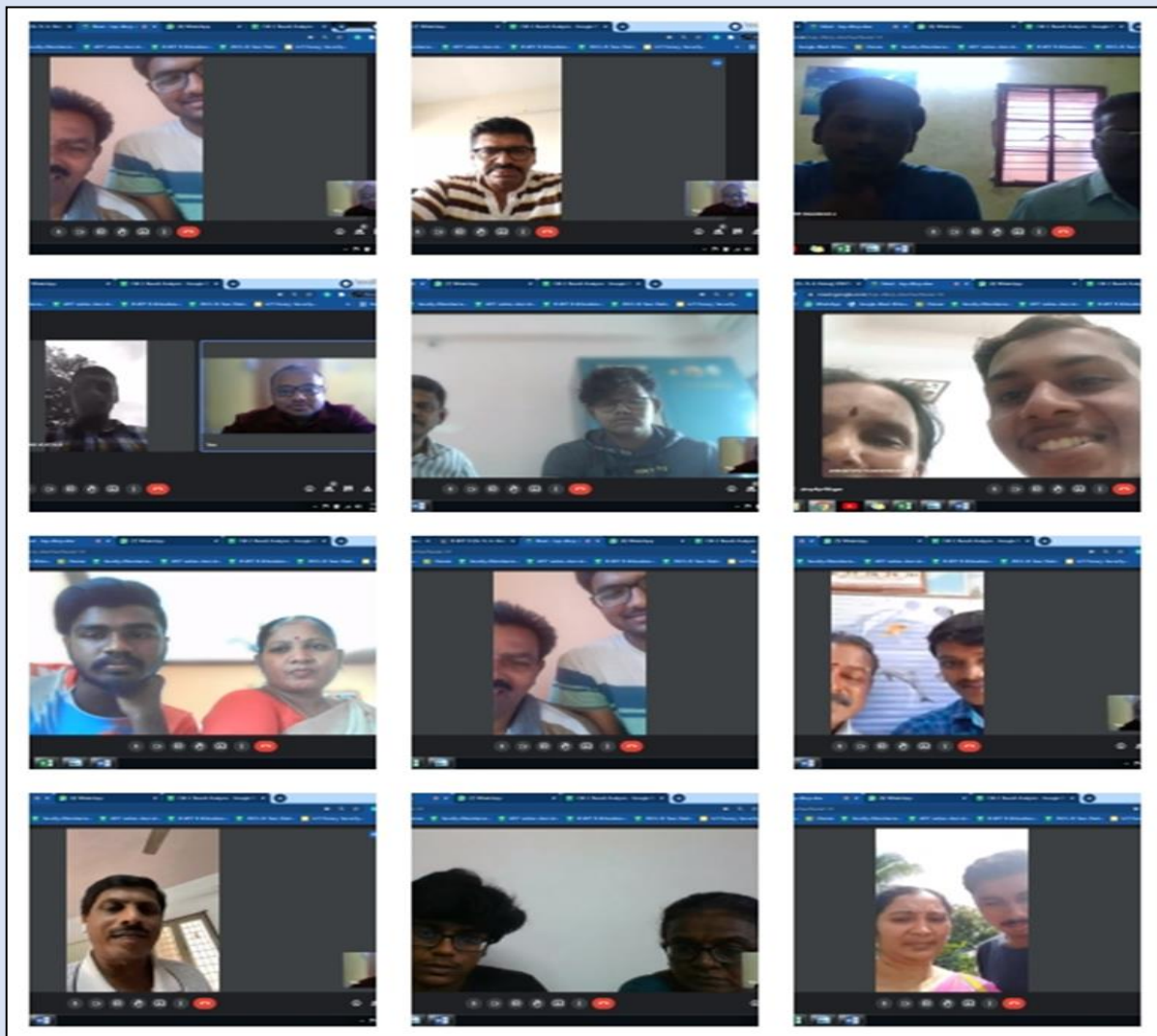
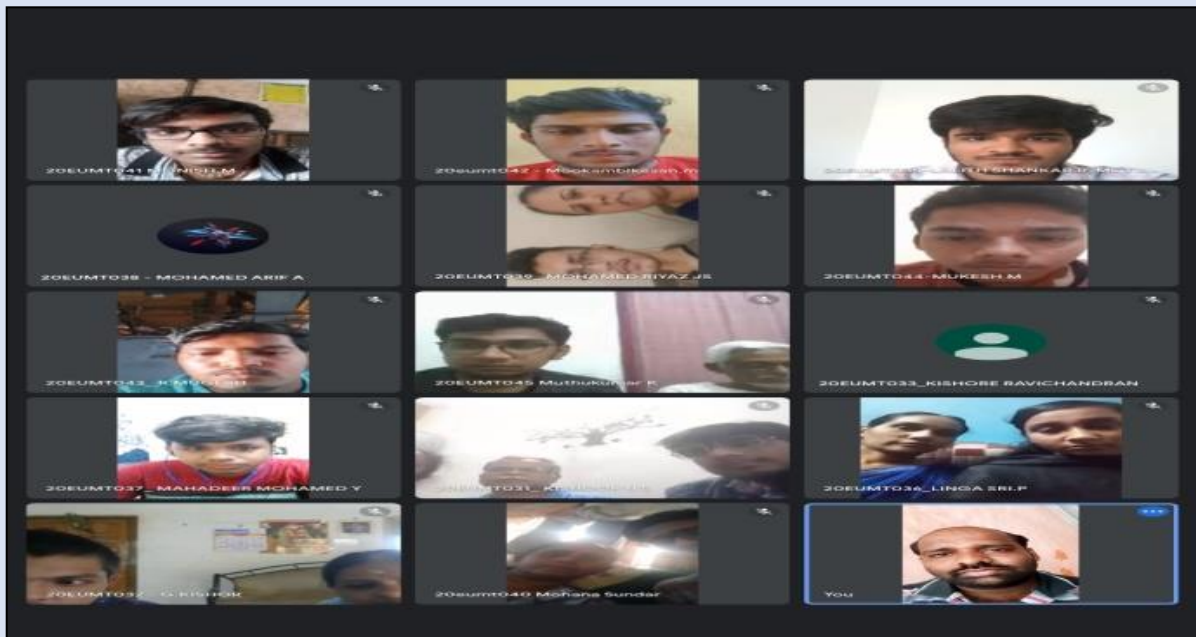


MCT | ACADEMIC REVIEW MEETING- II & III YEAR

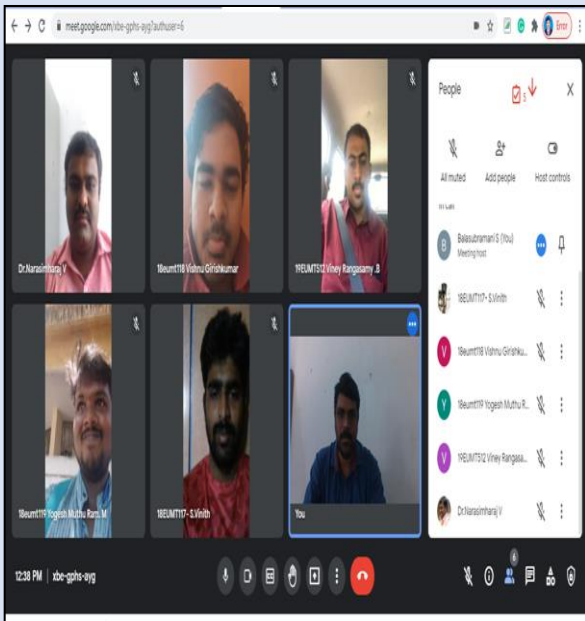


Department of Mechatronics Engineering conducted **Academic Review Meeting (ARM)** for the **Second** and **Third** year **MCT** on 03.10.2020. The pointers of discussion were: Academic performance of students, Online class attendance, End semester exam, vaccination status, Industry field training during semester holidays, Preparation for CIA and Placement Activities.

MCT | ACADEMIC REVIEW MEETING- II & III YEAR



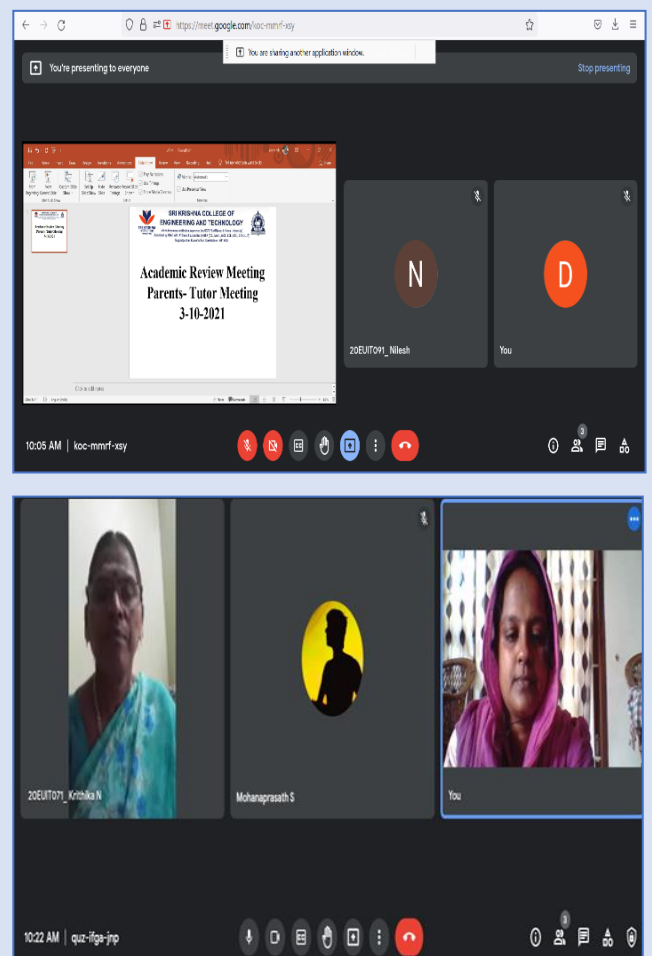
MCT | TUTOR WARD MEETING- IV YEAR



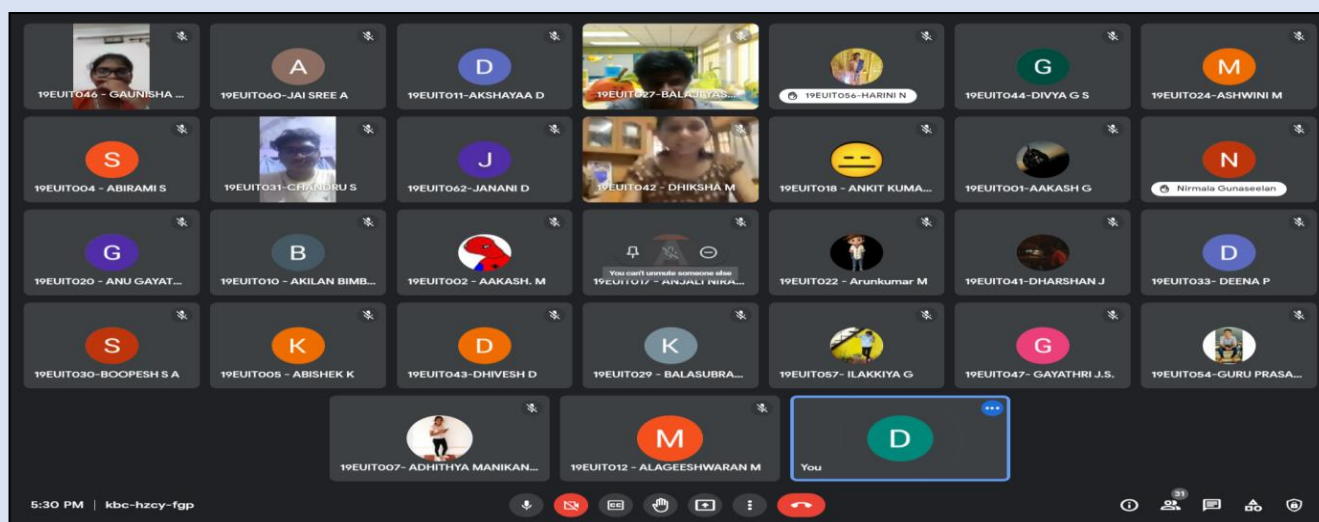
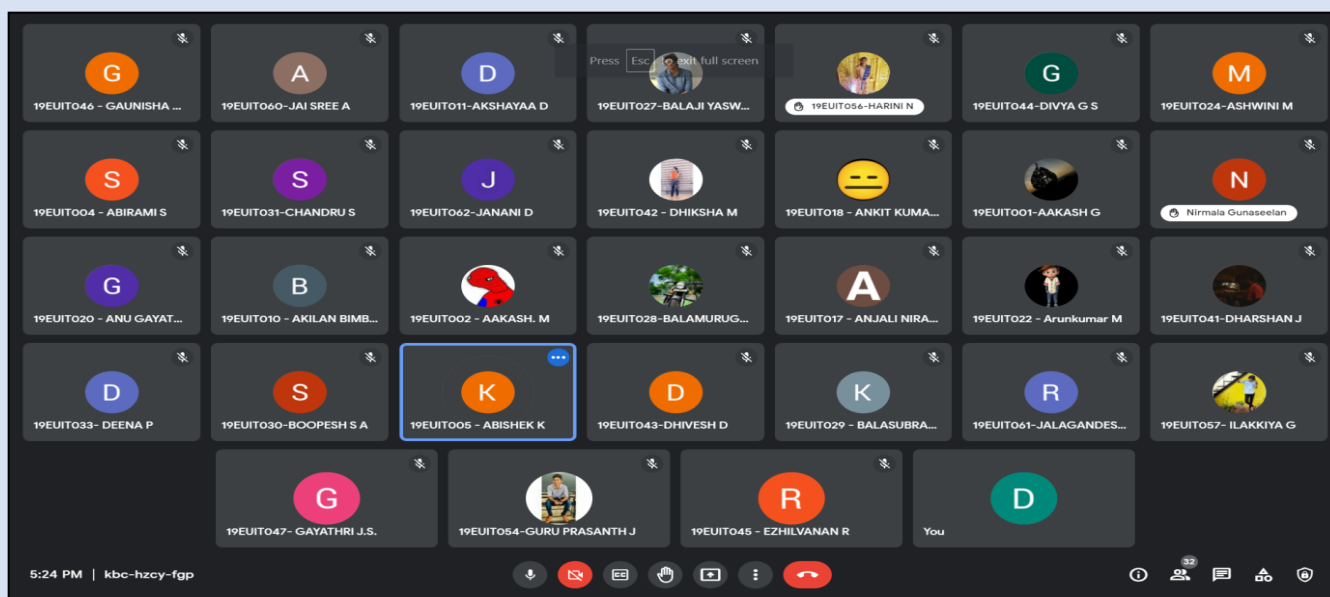
Dr.S.Balasubramani, Assistant Professor, **MCT** conducted **Tutor Ward Meeting** for the **Final** year students on 30.09.2021 via Google Meet. The pointers of discussion were: ICT Learnathon Courses, CIA 2 preparedness, Quiz and Assignments for all subjects, Final year project work and online course completion status.

IT | ACADEMIC REVIEW MEETING - II YEAR

Academic Review Meeting was conducted for the **Second** year **IT** students. The pointers of discussion were: Commencement of CIA II, Performance analysis of Internal Assessment 1 and previous end semester results and importance of attending certification courses.



IT | ACADEMIC REVIEW MEETING - III YEAR



Academic Review Meeting was conducted for **Third year IT A** students. Parents actively involved and assured their extended support towards learning and participation. Placement test, End semester Preparations, Placement activities, Performance analysis of Internal Assessment, and Activities scheduled for students were the agenda of the meeting.

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CSE | ATAL FDP ON EMBEDDED SYSTEM - AN APPLICATION DRIVEN APPROACH



Ms.V.R.Azhaguramyaa, Assistant Professor, **CSE** has participated in an online workshop on "**Embedded System - An Application Driven Approach**" from 25.08.2021 to 27.08.2021 organized by AICTE Training and Learning (ATAL) Academy STMicroelectronics and Arm Education.

CSE | ATAL FDP ON MOBILE ROBOTICS

Ms.S.Nagajothi, Assistant Professor, **CSE** has participated in the AICTE Training and Learning (ATAL) Academy Online Advanced FDP on "**Mobile Robotics**" from 20.09.2021 to 24.09.2021 organized by Indian Institute of Technology Patna.



EEE | ATAL FDP ON ENERGY MANAGEMENT & PLANNING IN SMART CITY FOR SUSTAINABLE DEVELOPMENT



Dr.J.Karthika, Associate Professor, EEE Department has participated in five days ATAL Faculty Development Programme on “Energy Management & Planning in Smart City for Sustainable Development” from 20.09.2021 to 24.09.2021 organized by Rajkiya Engineering College, Sonbhadra.

EEE | FDP ON SEMICONDUCTOR DEVICE, MICRO WAVE & RENEWABLE ENERGY

Dr.S.Sivaranjani, Associate Professor, EEE has participated in Five days Faculty Development Programme on “Semiconductor Device, Micro wave & Renewable Energy” organized by the Department of Electronics & Communication Engineering, Asansol Engineering College, Asansol from 21.09.21 to 25.09.21.



MCT | COURSERA CERTIFICATION

Mr.S.Panneerselvam, Assistant Professor, **MCT** has successfully completed a course on **Introduction to Engineering Mechanics,** authorized by Georgia Institute of Technology offered through Coursera.



EEE | FDP ON SEMICONDUCTOR DEVICE, MICRO WAVE & RENEWABLE ENERGY



Dr.P.Vinoth Kumar, Associate Professor, **EEE** has participated in the Five days Faculty Development Programme on **“Semiconductor Device, Micro wave & Renewable Energy”** organized by the Department of Electronics & Communication Engineering, Asansol Engineering College, Asansol from 21.09.2021 to 25.09.2021.

MCT | ICT ACADEMY FDP ON SHEETMETAL DESIGN IN SOLID EDGE



Dr.S.Balasubramani, Assistant Professor, **MCT** has participated in ICT Academy online FDP on “**Sheet metal Design in Solid Edge**” from 27.09.2021 to 01.10.2021.

MCT | AICTE -ATAL FDP ON EDGE COMPUTING TECHNOLOGIES FOR SMART FACTORY AUTOMATION & INDUSTRY 4.0

Mrs.J.Indirapriyadharshini, Assistant Professor, Department of **Mechatronics Engineering** has participated in the AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “**Edge computing technologies for Smart Factory Automation and Industry 4.0**” from 16.08.2021 to 20.08.2021 organized by Kongu Engineering College.



IT | REAL TIME ANALYSIS OF BRAIN COMPUTER INTERFACE APPLICATIONS



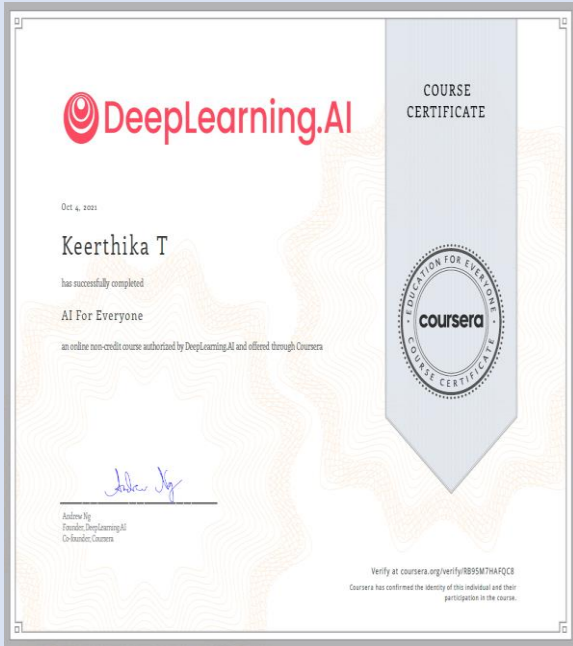
Dr. T Keerthika, Associate Professor, Department of **Information Technology** has participated in the “**Training Session on Real Time Analysis of Brain Computer Interface Applications**” organized by Data Science Research group, Department of Computer Science and Engineering supported by DST-ICPS on 29.09.2021.

IT | RANDOM FOREST OF MULTICLASS CLASSIFICATION & DEEP LEARNING ALGORITHMS USING TENSORFLOW



Dr. A Kousalya , **Ms. R Janani** and **Ms. Dharunya Santhosh**, Faculty Members, Department of **Information Technology** have attended a workshop titled “**Random Forest of Multiclass Classification & Deep Learning Algorithms using Tensorflow**” organized by the Department of Computer Science and Engineering in association with Machine Learning Lab, KPR Institute of Engineering and Technology.

IT | COURSERA CERTIFICATION



Dr.T Keerthika, Associate Professor, Department of **Information Technology** has successfully completed **“AI for Everyone”** an online non-credit course authorized by Deep Learning AI and offered through Coursera.

CSBS | FDP ON MEAN STACK TECHNOLOGIES

Mr. P. D Mahendhiran, Assistant Professor, Department of **Computer Science and Business System**, has successfully completed AICTE Training And Learning (ATAL) Academy online Elementary FDP on **“MEAN Stack Technologies”** from 21.09.2021 to 25.09.2021 organized by Sree Vidyanikethan Engineering College (Autonomous), Andhra Pradesh.



CSE | AICTE ATAL FDP PARTICIPATION



Following faculty members from the Department of **CSE** have participated in the AICTE Training and Learning (ATAL) Academy FDP on various topics.

Faculty Name	Title of the FDP	Duration
Ms.G.Renugadevi AP/CSE	"AR / VR Technologies – A Game Changer for Health Care Industry"	20-09-2021 to 24-09-2021
Ms.N.Pooranam AP/CSE		
Ms.S.Birundha AP/CSE		
Ms.N.Saranya, AP/CSE	"Artificial Intelligence in Healthcare"	27-09-2021 to 01-10-2021

CSE | TRAINING SESSION ON REAL TIME ANALYSIS OF BRAIN COMPUTER INTERFACE APPLICATIONS



Ms.S.Birundha, Assistant Professor, CSE has participated in a Workshop on "Training Session on Real Time Analysis of Brain Computer Interface Applications" organized by Data Science Research Group, at Karunya University on 29.09.2021.

CSE | WORKSHOP ON JAVA + ANDROID

Mr.M.Sivakumar, Assistant Professor, CSE has participated in one Week Workshop on "Java + Android" organized by the Department of Computer Applications, Chevalier T.Thomas Elizabeth College for Women, Chennai during 20.09.2021 to 25.09.2021.



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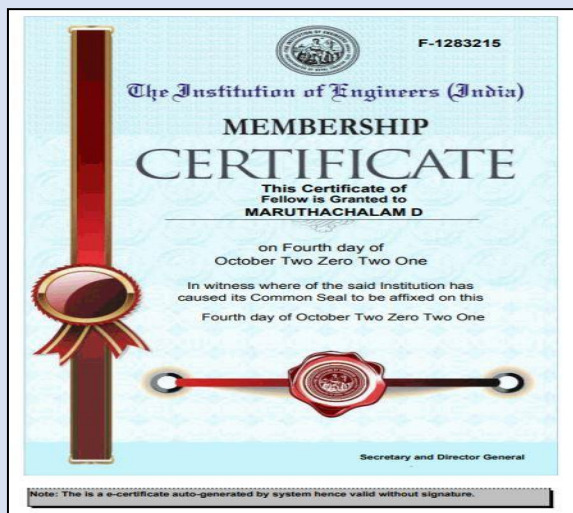


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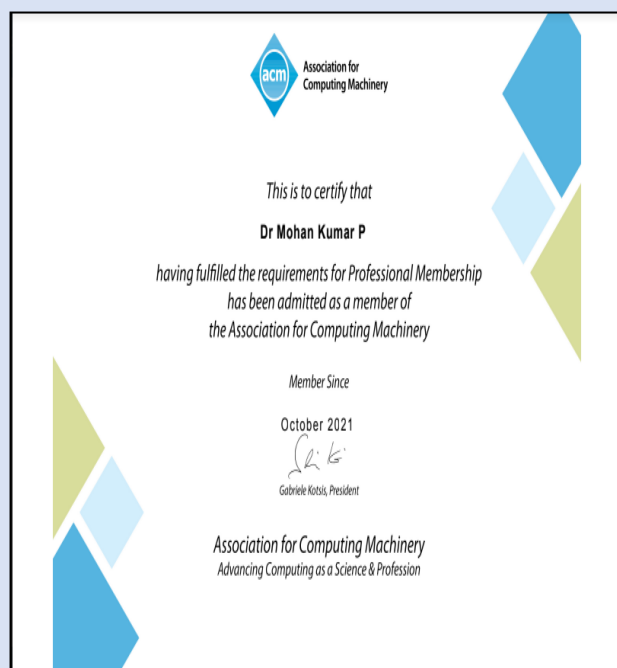
CIVIL | PROFESSIONAL MEMBERSHIP



Dr.D.Maruthachalam, Professor and Head, **Civil** and Dr.P.Saravanakumar, Associate Professor, Department of **Civil Engineering** have obtained a Professional Membership in Institution of Engineers (India) on 4th October 2021.

CSE | ACM MEMBERSHIP

Dr.P.Mohan Kumar, Professor, **CSE** has been admitted as a member of the “**Association for Computing Machinery (ACM)**” from October 2021.



MECH | ACADEMIC EDITOR

Dr.C.Samson Jerold Samuel, Associate Professor, **Mechanical Engineering** has been an Editor for the Book **Optimum Composite Structures - Recent Advances, New Perspectives and Applications** (ISBN : 978-1-80355-673-4) Publication by IntechOpen. The book is indexed by Web of Science – Book Citation Index. Link for the paper: https://mts.intechopen.com/welcome?books_hash=2f973097ad0077519e535b51bcdefea4&editor_contacts=a80ac0e94&books_id=11184

Optimum Composite Structures - Recent Advances, New Perspectives and Applications
ISBN: 978-1-80355-673-4



ACADEMIC EDITOR
Samson Jerold Samuel Chelladurai
Sri Krishna College of Engineering and Technology,
India

Dr. Chelladurai is specialized in the manufacturing of metal matrix composites, tribology, optimization techniques and is a pioneer in composites. He is a holder of 5 patents and has won faculty awards from SKCET. He is a member of ISTE and IIF.

CSE | REVIEWER - IEEE BOMBAY SECTION CONFERENCE



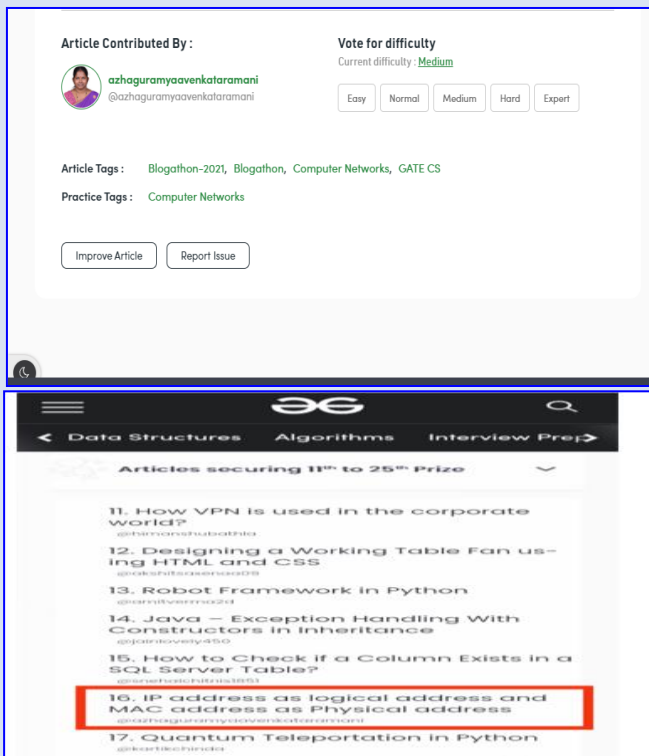
Dr.P.Mohan Kumar, Professor, **CSE** has received a Certificate of Appreciation for reviewing the Papers in '**IBSSC-2021**' organized by IEEE Bombay Section and ABV-IITM Gwalior, India.

CSBS | CERTIFICATE OF EXCELLENCE



Dr.S.Balakrishnan, Professor and Head, Department of **Computer Science and Business System** has been provided a **Certificate of Excellence** for delivering the conference on the topic **“Keynote: Building Trust in your Software Supply Chain with SLSA”** organized by Tech World Congress held on 07.10.2021.

CSE | GEEK FOR GEEKS BLOGATHON 2021-ARTICLE WINNER



Ms.V.R.Azhaguramy, Assistant Professor, **CSE** has Participated and won **16th Prize** in **Top 25 Articles** titled **IP Address as Logical Address and MAC Address as Physical Address** in GeekForGeeks Blogathon 2021, Under **GATE-CS Computer Networks** Category.

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IT | CONFERENCE PRESENTATION



Dr.A Kousalya, Associate Professor, Department of **Information Technology**, has presented a Research Article titled **“A Novel Method for Human Activity Identification using Deep Learning Technique”** in the International Conference on **“Advances in Material Science-ICAMS-2021”** on 11th & 12th September 2021 jointly organized by Arunai Research Foundation, in association with Department of Chemistry, University of Calicut, Kerala.

NOBEL PRIZE WINNERS - 2021

THE NOBEL PRIZE IN CHEMISTRY 2021



Benjamin List
Max-Planck-Institut für Kohlenforschung, Mülheim an der Ruhr, Germany
Born: 1968, Frankfurt, Germany.
Education: PhD from Goethe University Frankfurt, Germany (1997)

David W.C. MacMillan
Princeton University, USA
Born: 1968, Bellshill, UK
Education: PhD from University of California, Irvine, USA (1996)

For
“The development of asymmetric organocatalysis”

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CREATIVE CORNER



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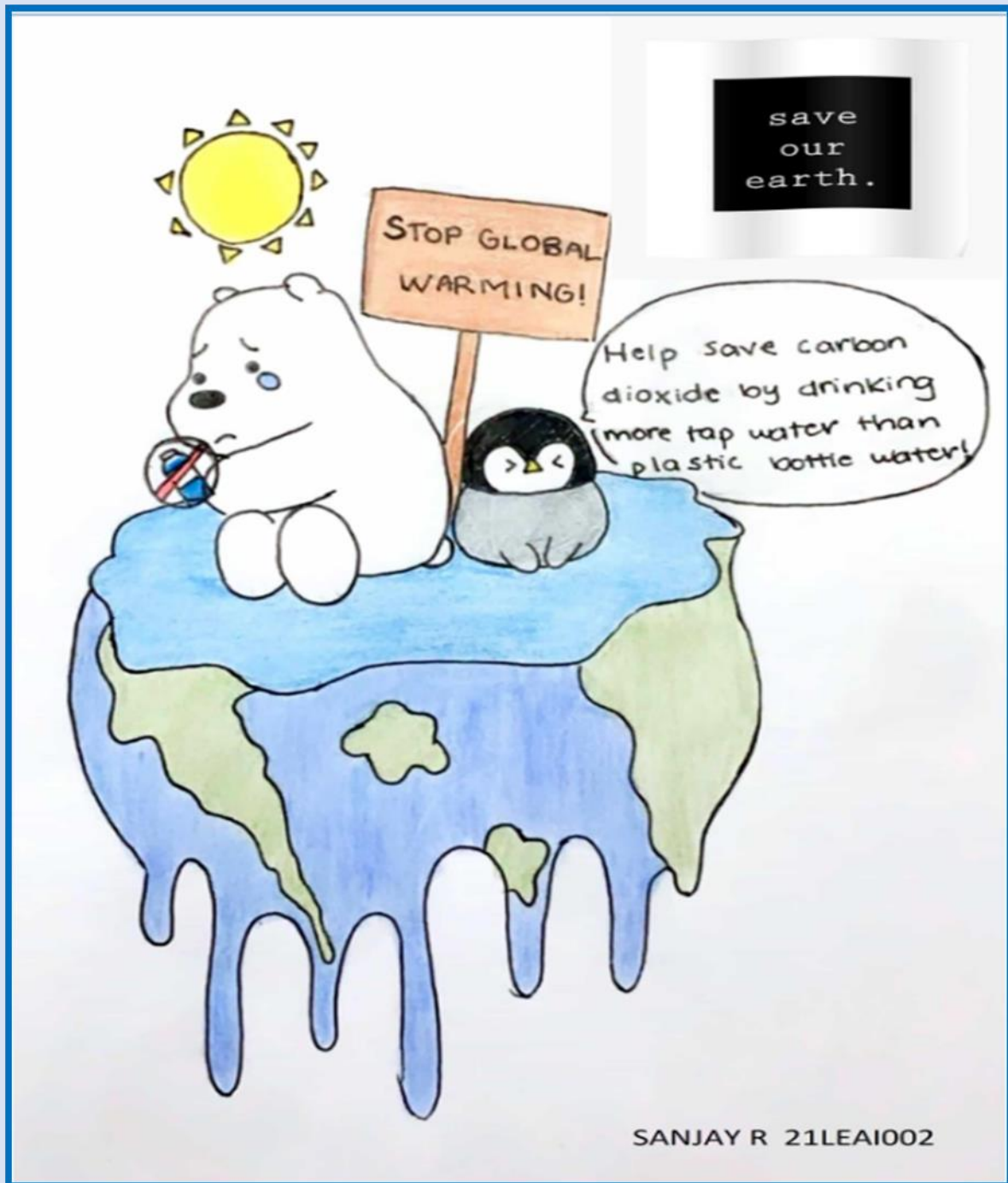
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MCT | CAMCURVES



**Mr.S.Panneerselvam,
AP/MCT**

AI&DS | POSTER PRESENTATION



SANJAY R
II AI & DS

AI&DS | POSTER PRESENTATION



JEEVANAND R

II AI & DS

NAVARATRI GOLU AT SKCET



Dedicated **Rituals of Worship** was witnessed at **SKCET** as the almighty was thankfully revered for the immense blessings received by everyone in this educational profession. SKCET was adorned with festive look with pomp and gaiety with **dolls arranged according to the tradition and religious faith**. The campus was filled with an aura of spiritual bliss and peace. This holistic celebration was organized at the **Venkatram Learning Center** abiding by social distancing norms.