SKCET Buzz

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Mrs.K.Ananthi – MCT

INSIDE THIS ISSUE

STUDENT PROGRESSION

MECH| CATERPILLAR IDP-IIT MADRAS CONTEST

Student team **Golden Falcon** from **Third** year **Mechanical Engineering** has submitted their innovative Industrial Project entitled **"Chassis Health Monitoring System"** in the Caterpillar IDP Challenge 2.0 organized by IIT Madras on 31.03.2022.

Team Members:

- S. JavidFirnas
- S. Sujith
- R. Raj Vigneshwar

Team Mentor: Dr.R.Soundararajan, Associate Professor Mechanical Engineering.

MCT| SAUR URJA VEHICLE CHALLENGE 2022

K.V.Deepak, A.Dheeraj, Poorvasanthiya, Rakesh Sundaram, Udayasri and **Tharun Kumar C** students of **Second** year **MCT** have secured AIR 3 and have also won the Innovation Award in the National Level Solar Electrical Vehicle Competition **"SAUR URJA VEHICLE CHALLENGE 2022-OVPR"** conducted by Refrangible Society of Technophile Engineers.

ECE| IEEE – PROJECT RECOGNITION

4/4/22, 8:55 AM   Sri Krishna College of Engineering and Technology Mail - EPICS in IEEE Approval and Acceptance Packet Assignment Notification

Albert Raj A <albert@skcet.ac.in>

EPICS in IEEE Approval and Acceptance Packet Assignment Notification

EPICS in IEEE <administrator@grantinterface.com>   Sun, Apr 3, 2022 at 10:12 PM
Reply-To: s.gillespie812@gmail.com
To: albert@skcet.ac.in
Cc: a.f.moran@ieee.org

Dear Albert,

Congratulations! You have been awarded $1,100.00 for your Environment friendly and Efficient Honey Harvest Alert System for Bee Farms project!

A.Calin, K.Akshaya and A.R.Arunachalam students of **Third** year **ECE** have been awarded $1100.00 USD for an Environment friendly and Efficient Honey Harvest system for bee farming project from IEEE's United Engineering Foundation Competition 2022. **Dr A Albert raj**, Professor, **ECE** was the project coordinator of the team.

STUDENT CERTIFICATIONS

IT|AWS ACADEMY CLOUD FOUNDATIONS

aws academy

Abinaya L

Certificate of Completion for
AWS Academy Graduate - AWS Academy Cloud Foundations

Course hours completed
20 hours

Issued on
03/14/2022

Digital badge
https://www.credly.com/go/52dLdZ2F

aws academy

ABIRAMI S

Certificate of Completion for
AWS Academy Graduate - AWS Academy Cloud Foundations

Course hours completed
20 hours

Issued on
03/14/2022

Digital badge
https://www.credly.com/go/Q4tZftCf

aws academy

Antro Safin M

Certificate of Completion for
AWS Academy Graduate - AWS Academy Cloud Foundations

Course hours completed
20 hours

Issued on
03/16/2022

Digital badge
https://www.credly.com/go/a7xZ98cD

aws academy

BALAJI YASWANTH B

Certificate of Completion for
AWS Academy Graduate - AWS Academy Cloud Foundations

Course hours completed
20 hours

Issued on
04/01/2022

Digital badge
https://www.credly.com/go/r5PzldRp

IT|AWS ACADEMY CLOUD FOUNDATIONS

Following students from **Third** year **IT A** have been certified for successfully completing **"AWS Academy Graduate - AWS Academy Cloud Foundations"** on 04.01.2022.

Abinaya	Abirami
Abishek	Akshayaa D
Anbarasu	AntroSafin
AnuGaythri	BalajiYaswanth
Balamurugan	Chandru S
Deenathayalan	Devinraj
Divesh	Divya
Ezhilvanan	Gayathri J S
Gokul Krishnan	Gokul R
Harini	Ilakiya
AncySneha	Dharaneesh
Aravind	Dharan Kumar
Girijesh	GokulAnandh
Ajith Kumar	Abishek R
Guru Prasanth	DhanaKrishnaMoorthy
Jaisree	Janani

SKCET Buzz

EVENTS

S&H |DST-SHRI BOOK RELEASE

A book entitled **"AKKAMMA – THE BRAVE HEART OF THE BLUE MOUNTAINS"** was released by the **Mayor of Coimbatore Mrs. Kalpana Anandakumar** on 06.04.2022.

The book was authored by **Dr. A.Amutha** and **Dr.A.Karthika** Associate Professors from the Department of **Science and Humanities** of Sri Krishna College of Engineering and Technology which is a part of DST-SHRI project.**Dr.V.Ragavi**, Head of Department of **Science and Humanities** felicitated the Mayor with a bouquet. Dr.A.Amutha as Principal Investigator and Dr.A.Karthika as Co- Principal Investigator of the project presented a shawl to the Mayor.

This book is exclusively about the first tribal women **Mrs. Akkamma Devi** who entered the Parliament and worked tirelessly for the welfare of the women. It is highly enriching factor that this book has been released by the first women Mayor of Coimbatore Mrs.Kalpana Anandakumar

CSBS| FDP ON DATA MINING & ANALYTICS

Faculty Development Program on **"Data Mining and Analytics"** was conducted by Tata Consultancy Services on 29.03.2022 for the faculty members. **Mr. Mageshwaran B.J**, TCS and **Dr. Swagatham Das,** HoD, Electronics and Communication Sciences Unit, Indian Statistical Institute, Kolkata were the Resource People. **Mr. R. YasirAbdulah**, Assistant Professor, **CSBS** attended the event representing our Institution.

CSBS| FDP ON INFORMATION SECURITY

Tata Consultancy Services conducted Faculty Development Program on **"Information Security"** on 30.03.2022 for the faculty members handling the course all over India. The event was facilitated by **Mr. Mageshwaran B.J**, TCS. **Dr. SubhamoyMaitra,** Professor, Applied Statistics Unit, Indian Statistical Institute, Kolkata was the resource person. He gave insights on the syllabus and asked suggestions from the faculty representatives. **Dr. S. OswaltManoj**, Assistant Professor, **CSBS** attended the event representing our Institution.

DO YOU KNOW?

There is a highway in space called interstellar superhighway. It is used to send spacecrafts around the solar system with least interaction with gravity.

ECE |IMPACT OF IOT IN UPCOMING ERA

Department of **Electronics and Communication Engineering** organized a webinar on **"Impact of IoT in upcoming era".** **Mr.Pratheep,** Application Engineer, CADD Technologies, Coimbatore was the Resource Person. Industrial Revolution, Machine to Machine Communication, Platforms of IOT, IoT Communication Protocol and IoT Trends were the session highlights.

SKCET
Buzz

R&D
RESEARCH & DEVELOPMENT

RESEARCH & DEVELOPMENT

R&D|JOURNAL PUBLICATION |EEE

Dr.Ramji Tiwari, Assistant Professor, **EEE** has published a paper entitled "**A comprehensive review of the prospects for rural electrification using stand-alone and hybrid energy technologies**"in Sustainable Energy Technologies and Assessments with anImpact Factor:5.353. It is SCI & Scopus indexed.
DOI:https://doi.org/10.1016/j.seta.2022.102155.

R&D|JOURNAL PUBLICATION |EEE

Dr.B.Karthikeyan, Associate Professor, **EEE** has published a paper entitled "**Nano scale grapheme plasmonics logic gate based on the plasma dispersion effect**" in Optical and Quantum Electronics with an Impact Factor: 2.084. It is SCI & Scopus indexed.
DOI:https://doi.org/10.1007/s11082-022-03660-5

R&D|PATENT PUBLICATION | MCT

Ms.J.Indirapriyadharshini, Associate Professor, **MCT** has published a patent titled **"Automatic Oxygen Monitoring System for Closed Air Conditioning"** with the Application number 20224101252 A in the IPR Journalon 25.03.2022.

R&D|JOURNAL PUBLICATION| EEE

Dr.T.Kokilavani, Assistant Professor, **EEE** has published a paper entitled **"3-Phase multi-inverter with cascaded H-bridge inverter designing and implementation for renewable system"** in Sustainable Energy Technologies and Assessments (Elsevier) with an Impact Factor of 5.353.

R&D|JOURNAL PUBLICATION| MCT

Dr.L. Feroz Ali, Associate Professor, **MCT** has published a journal entitled "**Notch Tensile and Dry Sliding Wear Studies on Mg-Nd-Gd-Zn Alloy**" in **Surface Topography: Metrology and Properties,** IOP Journal with an impact factor of 2.038.
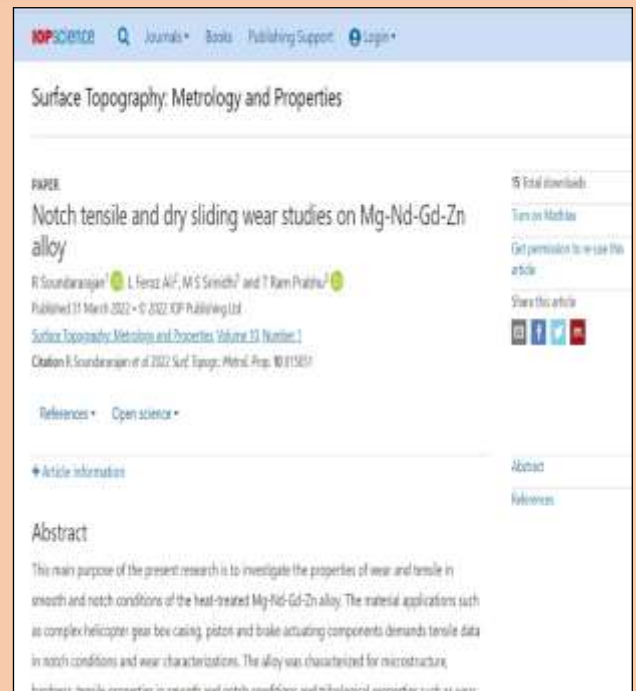
R&D| ARTICLE PUBLICATION| MECH

Dr.C.Rajendran and **Dr. C. Samson Jerold Samuel**, Associate Professors, Department of **Mechanical Engineering** have published a scientific research article titled **'Investigation on corrosion behavior of LM25-SiCp composite using Taguchi method'** in Advances in Materials Science and Engineering - A Hindawi publication. It is a WoS and Scopus Indexed Journal with an impact factor of 1.726.

R&D | JOURNAL PUBLICATION| M.TECH CSE
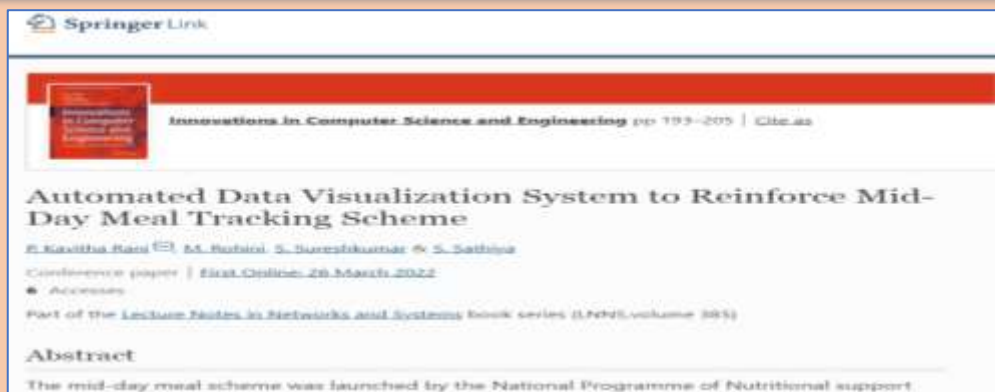
Dr.P. Kavitha Rani, Professor & Head, Department of **M.Tech CSE**, along with **Mr.S.Sureshkumar** and **Mrs. M.Rohini**, Assistant Professors, **M.Tech CSE,** have published a paper entitled "**Automated Data Visualization System to Reinforce Mid- Day Meal Tracking Scheme**" in Innovations in Computer Science and Engineering.This is a Lecture notes in Network and systems Springer book series (LNS,Volume385). DOI:https://doi.org/10.1007/978-981-16-8987-1_21.

R&D | JOURNAL PUBLICATION| CSE

Dr.P.Mohan Kumar, Professor, **CSE** has published a paper entitled "**Implementing an Efficient Data Deduplication Framework for Cloud Storage**" in the Indian Journal of Computer Science and Engineering. It is a Scopus indexed Journal. ISSN: 0976-5166.
DOI:https://doi.org/10.21817/indjcse/2022/v13i1/221301046.

R&D| PATENT PUBLICATION| IT

Patent titled **"Machine Learning Based Real Time Control of Launch Vehicles using Wireless Sensor Network"** filed by **Dr.V.Anandkumar,** Professor**, IT** has been published in the IPR Journal identified with Appl.No: **202241010455 A.**

R&D| JOURNAL PUBLICATION| IT

Dr.M.Mohammed Mustafa, Associate Professor, Department of **Information Technology** has published a Book Chapter titled **"Real-Time System for Forecasting Natural Disasters Using the Social Network"** in the Springer Book series - Multimedia Technologies, Internet of Things Environment, Vol 3,pp 107-117.

Multimedia Technologies in the Internet of Things Environment, Volume 3 pp 107–117

Real-Time System for Forecasting Natural Disasters Using the Social Network

M. Mohammed Mustafa & Korhan Cengiz

Chapter | First Online: 05 April 2022

Part of the Studies in Big Data book series (SBD,volume 108)

Abstract

Online social network billions of consumers everywhere the earth where people work together and share evidence related to domain events. The notice nearly indicates what is occurring on around a private and furthermore around the person's area. This small substance with genuine data when prepared with some factual instrument may assist us with predicting a certifiable occasion. Enlivened by the thought we propose a way to anticipate the violent wind

TRAINING &PLACEMENT

PLACEMENT | TESTIMONIAL BY PLACED STUDENTS

Choosing SKCET was one of the best decisions I have ever made. I am grateful to be taught by excellent faculty members who supported at each and every step. Also, I would like to thank the placement team for their immense support, and encouraging me during tough times. I am lucky to be part of this great Institution. The various trainings and mentoring guided me to get placed in Cognizant Technologies. Four years in SKCET was just fantastic and a memorable one.
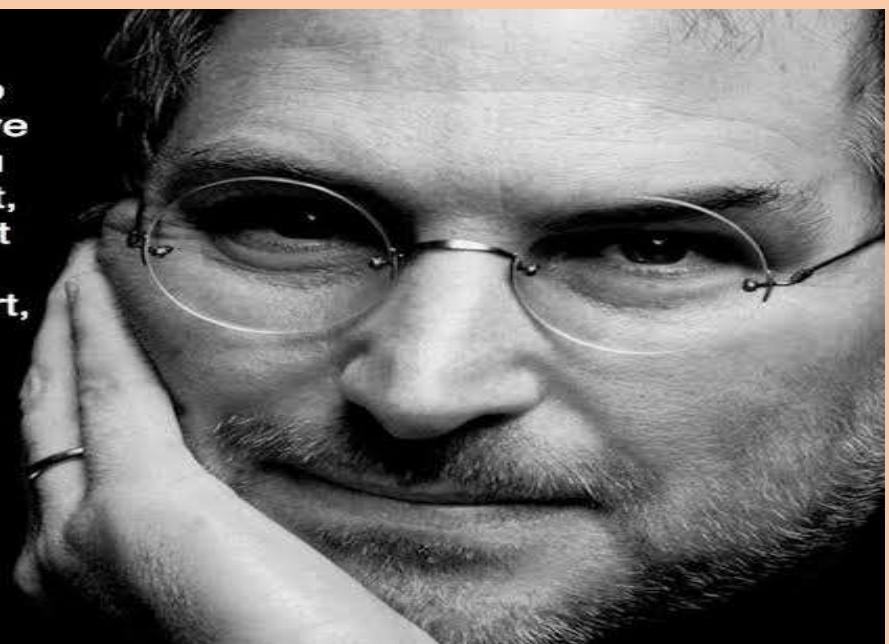
FazilMohammed.T
EEE [2022Batch]
Cognizant Technology solutions -4 LPA

LEGENDARY INSIGHTS

" The only way to do great work is to love what you do. If you haven't found it yet, keep looking. Don't settle. As with all matters of the heart, you'll know when you find it. "

- Steve Jobs

TUTOR WARD MEETING

CIVIL | CLASS COMMITTEE MEETING – III YEAR

Class Committee Meeting was conducted for the **Pre- final** year **Civil Engineering** students by **Dr. N. Balaji**, Associate Professor, Department of **Mechanical Engineering** on 31.03.2022. The pointers of discussion were: Hostel accommodation and transport facilities, Subjects and laboratory sessions, placement training sessions and academic activities.

INFOGRAPHICS

FIGURATIVE LANGUAGE

Simile

A simile is a type of figurative language which is used to compare one thing against another. Similes compare the likeness of two things and often feature the words 'like' or 'as': "As strong as an ox/ As brave as a lion."

Metaphor

A metaphor is a phrase describing something as something it is not in reality. It is used to compare two things symbolically. A metaphor literally describes something as something it is not. "Love is a battlefield"

Oxymoron

An oxymoron is a term which features two words which appear to contradict each other but make sense of the situation overall.
- For example: That woman is pretty ugly.

Hyperbole

A hyperbole is a figure of speech which exaggerates the meaning of a sentence.
- For example: My granddad is as old as time.

Idiom

An idiom is a phrase which bears no literal meaning to the situation it is describing but it implies the facts or story behind it.
- For example: There is a silver lining in every cloud.

Personification

Personification is a type of figurative language. It is used to give an inanimate object or item a sense of being alive. The speaker would talk to the object as if it could understand and was intelligent.
- For example: Why are you so heavy, suitcase?

FACULTY CERTIFICATIONS

MECH| FDP ON MODERN MATERIALS, ADVANCED TECHNOLOGIES FOR INFRASTRUCTURE & MODELLING OF MECHANICAL BEHAVIOR OF COMPOSITE MATERIALS

Mr.J.Baskaran, Mr.S.Balamurugan, Mr.J. Dhiyaneshwaran, Dr.R.B.Manoram and Mr. R. Siva Subramanian, Assistant Professors, **Mechanical Engineering** have actively participated in an online Faculty Development Program **on 'Modern Materials, Advanced Technologies for Infrastructure &Modelling of Mechanical Behavior of Composite Materials'** organized by Vel Tech High Tech College, Chennai from 14.03.2022 to 19.03.2022.

MECH| FDP ON MICROSOFT AZURE DATA FUNDAMENTALS

Mr.R.Siva Subramanian, Mr.S.BaluMahandiran and **Mr.J.Baskaran**, Assistant Professors, Department of **Mechanical Engineering** have actively participated in the Faculty Development Program on **'Microsoft Azure Data Fundamentals'** conducted by ICT Academy from 28.03.2022 to 30.03.2022

CSBS|MATHWORKS CERTIFICATION

Mr.M.Manicka Raja, Assistant Professor, CSBS has successfully completed a certification course on **Machine Learning Onramp** offered by **MathWorks** on 06.04.2022.

CSBS|JURY PANELIST

Dr. S. Balakrishnan, Professor and Head, Department of **Computer Science and Business Systems** has been the **Jury Panelist** in **"South Indian ASDF Awards - SIAA 2022"** hosted by the ASDF South India Chapter on April 2 2022.

CSE| BIG DATA ANALYTICS AND MACHINE LEARNING

Mr.M.Vengateshwaran, Assistant Professor, **CSE** has participated in the one week FDP on "**Big Data Analytics and Machine Learning**" conducted by the Department of Information Science and Engineering, East Point College of Engineering and Technology, Bengaluru from 26.03.2022 to 01.04.2022 .

IT| MICROSOFT AZURE DATA FUNDAMENTALS

Ms.Sruthi Anand, Assistant Professor, Department of **Information Technology** has participated in the Faculty Development Program on **"Microsoft Azure Data Fundamentals"** conducted by ICT Academy from 28.03.2022 to 30.03.2022.

IT| INFOSYS SPRINGBOARD

Mr.M Diwakaran, Assistant Professor, Department of **Information Technology** has successfully completed a microsite during the Train the Trainer program on **"Creating Microsites Infosys SpringBoard"** conducted by Infosys Limited.
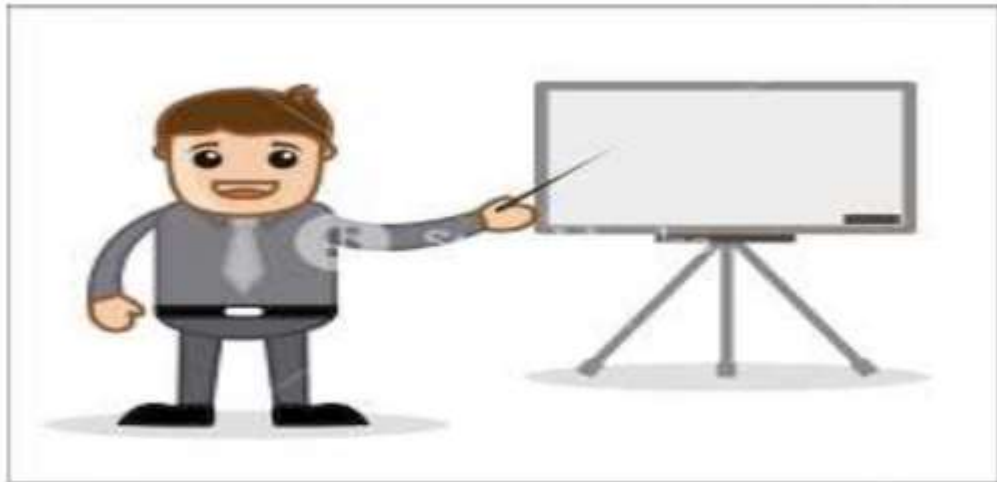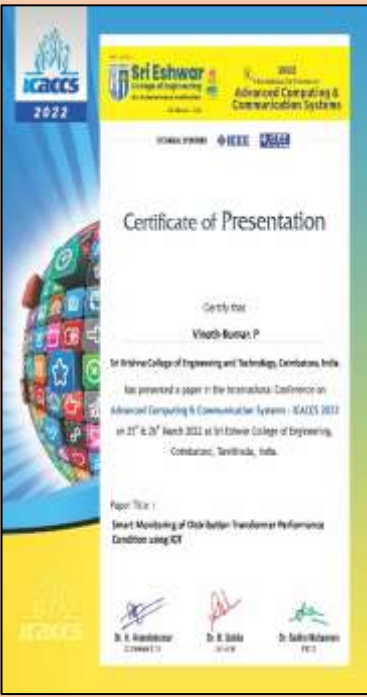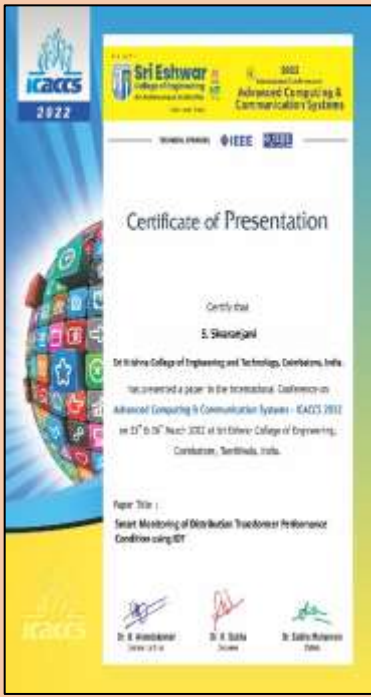
CONFERENCE PRESENTATION

CIVIL |CONFERENCE PRESENTATION

Dr.D.Maruthachalam, HoD, **Civil** along with **Mr.S.C.Boobalan**, Assistant Professor, **Civil Engineering** have presented their paper on **"Relevance Vector Machine Tools for Evaluating the Strength Parameters of HPC incorporating Quarry Dust and Mineral Admixtures with Fibres"** in the Second International Conference on Information Technology (InCITE) organized by Amity University, Uttar Pradesh held on 3rd and 4th of March 2022.

EEE |CONFERENCE PRESENTATION

Dr.S.Sivaranjani and **Dr.P. Vinothkumar,** Associate Professors, **EEE** has presented a research paper entitled **"Smart Monitoring of Distribution Transformer Performance Condition using IoT"** in the IEEE Sponsored International Conference on Advanced Computing and Communication Systems (ICACCS) 2022 at Sri Eshwar College of Engineering, Coimbatore held on 25th and 26th March, 2022.

CIVIL |CONFERENCE PRESENTATION

CIVIL |CONFERENCE PRESENTATION

Following faculty members from the Department of **Civil Engineering** have presented their papers in the Second International Conference on **Sustainable Infrastructure with Smart Technology for Energy and Environmental Management** (SIC – SISTEEM - 2022) organized by Bannari Amman Institute of Technology, Sathyamangalam held during 24th & 26th March 2022.

Name of the authors	Title of the paper
Mr. S. Sadheesh	1) Effects of air Pollution due to vehicle emission in Coimbatore: A reduction strategies – A Review 2) Monitoring and analyzing the effect of heavy metals in air based on ecological and health risks in Coimbatore
Dr.P.Saravanakumar	Regur soil modification with construction and demolition waste – A review
Dr.S.Ramakrishnan	Investigation on durability study of fibre reinforced concrete
Mr.A. AswinBharath	Economically improving the quality of construction through six sigma and cost benefit analysis **Second best Paper award under the theme smart and sustainable construction**

ECE|CONFERENCE PRESENTATION
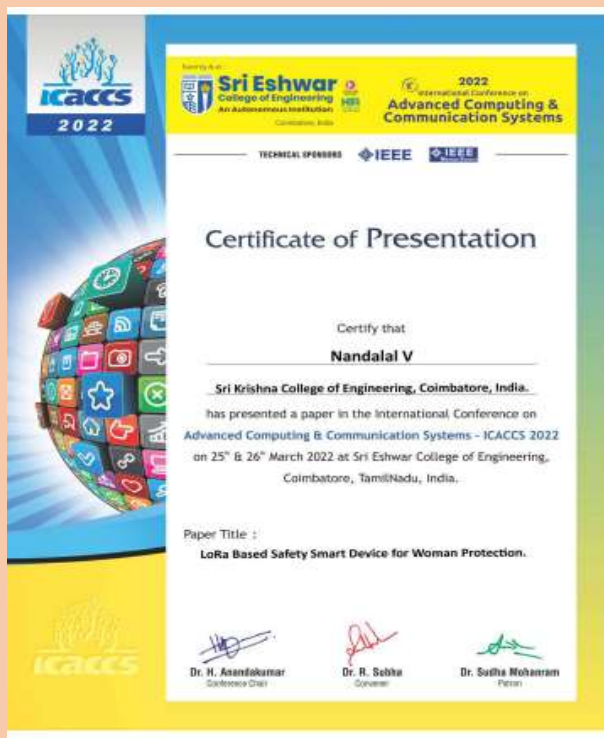
Dr V Nandalal, Professor, **ECE** has presented a paper titled **"Improved LoRa Based Safety Smart Device for Woman Protection"** in the International Conference on Advanced Computing and Communication Systems organized by Sri Eshwar College of Engineering, Coimbatore during 25th and 26th, March 2022.

CSE |CONFERENCE PRESENTATION

Mr.M.Vengateshwaran, Assistant Professor, Department of **CSE**, has participated in the two days International Conference on **Machine Learning Applications in Applied Sciences and Mathematics (IVCMSM 2022)** and has presented a paper entitled **"Probabilistic Techniques for Location Based Services Using Computational Intelligence"**, Easwari Engineering College on 30.03.2022 and 31.03.2022.

CIVIL |CONFERENCE PRESENTATION

Mr.S.Sadheesh, Assistant Professor, Department of **Civil Engineering** has presented a paper on the topic "**The relative impact of pollutant concentration in industries over the ambient air quality around the industrial zone SIDCO – Kurichi using spatial distribution**" in the International conference on "Sustainable Practices and Advancements in Civil Engineering - 2022" held at PSG Institute of Technology and Applied Research on 11th and 12th March 2022.

TECHNOGRAPHICS