



10<sup>th</sup> - 16<sup>th</sup> September 2022



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## HACKATHON ACCOLADES



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## IT| IEEE YESIST<sub>12</sub>



Student team from the Department of **IT** has competed among 3000+ Participants from 20+ countries at the International Hackathon **YESIST<sub>12</sub>**, organized by IEEE and has won **Second prize** with a trophy and has also been selected for the IEngage Track which helps them in idea development and enables them to release their project in market as a startup.

### Team Members:

- Rishikesh II IT C
- Christy Mownica III IT A
- Karthikeyan III IT B
- Sri Vatshan III IT C





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## INSTITUTIONAL EVENT



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## CSBS | MOU WITH TATA CONSULTANCY SERVICES



Department of CSBS has renewed its strength by renewing the **Memorandum of Understanding** signed with **Tata Consultancy Services Pvt Ltd**, Bangalore. Respected **Chairperson Madam** in the presence of **Dr. Sundararaman**, CEO, Beloved **Principal Madam, Dr.J.Janet, Dr.Jayasudha Subburaj**, Placement Officer and **Dr.S.Balakrishnan**, HoD, CSBS signed and exchanged the renewal MoU with **Mr. Chandra Koduru**, General Manager and Head, Academic Interface Programme, TCS, Bangalore.

# SKCET| INNOVATIVE ENGINEERING SOLUTION TO SOCIETAL CONCERNS



A smart pen for Dyslexics- designed and developed by the SKCET expert team, was exhibited in the International Exhibition and Conference for **Ferrous and Non-Ferrous Foundry Industry** held at Codissia, Coimbatore on 15.09.2022. **Dr.J.Janet**, Principal, **Dr.S.Balakrishnan**, HOD-CSBS and **Ms Majidha Fathima**, CSE exhibited the pen and explained it's crucial role in elevating literacy in dyslexics. The smart pen was developed as a part of DST' Tide project titled '**Design and Development of a Smart Pen for Dyslexics**'. The smart pen's societal impact was acknowledged and commended by the dignitaries and participants.

**SKCET- Finding the perfect solution for the impossible problem!**



# SKCET | ACADEMIC REVIEW MEETING



**Academic Review Meeting** was organized on 11.09.2022 to build a strong partnership between the parents and teachers. The class advisors and tutors interacted with the parents on the Academic happenings, placement opportunities, tests and the academic progress of their wards. Parents actively involved and appreciated the efforts made by SKCET and assured their extended support towards learning and participation. Student rank holders were highly appreciated by our Principal Madam **Dr. J. Janet** for their academic excellence.



# SKCET | ACADEMIC REVIEW MEETING



Department of Electrical and  
Electronics Engineering

Department of Artificial Intelligence  
and Data Science



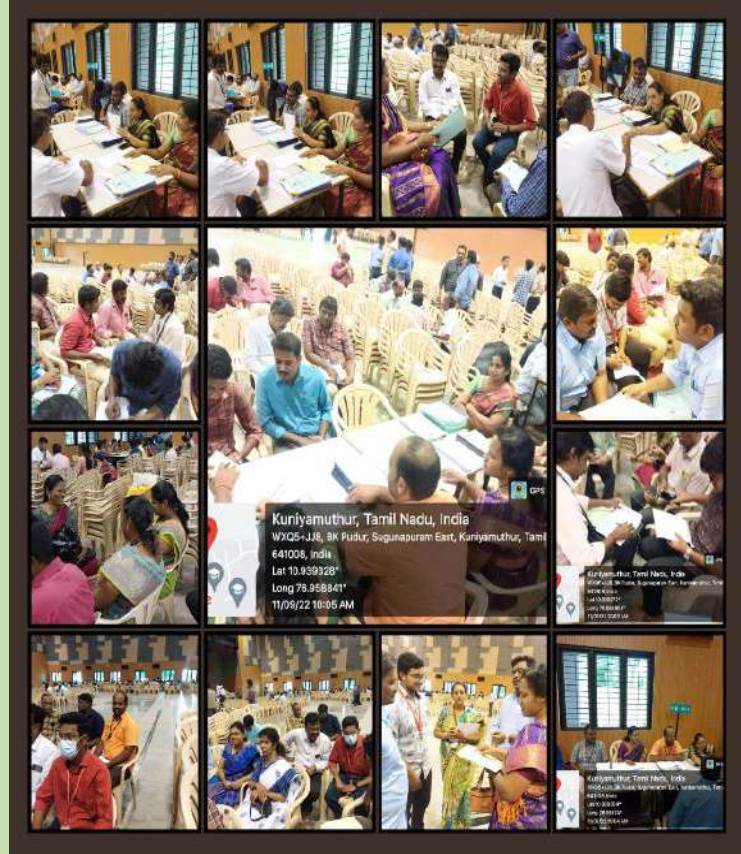
Department of Electronics and Communication Engineering



# SKCET | ACADEMIC REVIEW MEETING



## Department of M.Tech Computer Science and Engineering



## Department of Information Technology

## Department of Mechatronics Engineering



# SKCET | ACADEMIC REVIEW MEETING



Department of Computer Science and Engineering



Department of Computer Science and Business System

Department of Mechanical Engineering



Department of Civil Engineering



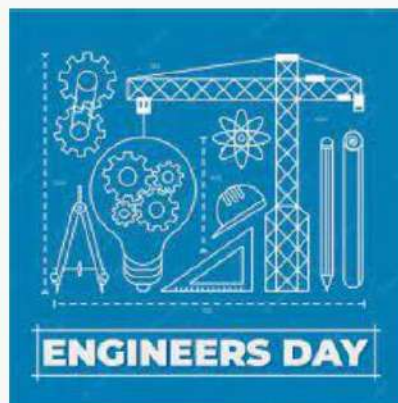
## SKCET | AWARENESS PROGRAMME FOR BASIC LIFE SUPPORT



**Awareness about Basic Life Support and emergency medical services and its associated factors** was organized by the **NSS** unit of SKCET in association with District Administration and Alert NGO. SKCET student volunteers of NSS demonstrated the basic details of Life Support skills to be utilized in case of an emergency to save lives.



## ENGINEERS DAY CELEBRATION



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## CSE | IGNITE 2.0



### Ignite 2.0 - 'Igniting creative minds for future'

As a part of the **Engineers' Day Celebration**, Department of **CSE** organized **Ignite 2.0**, a forum to present our 'TechWizards' creative and logical talents. 30+ teams actively participated in the event by enthusiastically presenting their innovative projects which showcased their technical skills and problem solving potentials. This platform facilitated learning by vesting the students with a space to present their brilliant, innovative ideas and prototypes to the panel.

#### Panel members:

Dr.G.Shobana, Associate Professor, IT, SKCET

Mr.B.Shameer, Software Engineer, Odessa Technologies, Bangalore



# CSE | IGNITE 2.0



The best ideas were applauded and the top three prototypes were awarded with a cash price as a symbol of motivation and appreciation for their smart work.

## Winners of the event

Prize	Team Name	Students Name
First Prize	Y SOCIETY	Valan Antony A, Yamini R P, Selva Kumar
Second Prize	Mad Pandas	Shree Varshan G, Sanjeevi CS, Yashu Venkat S, Vishnu Guru Sastha G, Thamizselvan T
Third Prize	The Crash Landers	Katyayani T R, Johans Olivia A, Devadharsana S, Sathish Kumar P, Shyam

## ECE | PROJECT EXPO 2K22



As a part of the **Engineers' Day Celebration**, the Department of **Electronics and Communication Engineering** organized **Project Expo - 2k22** for the students. 64 batches enthusiastically participated in the expo and demonstrated their project findings and exhibited their technical skills in various domains viz., IOT, AI, Embedded System, Image Processing and Communication. on 15.06.2022.

### Panel Members:

- Ms.Sushmaa Rao (Alumni/ECE), Function Development Engineer, Robert Bosch.
- Dr.T.Kokilavaani, Assistant Professor , EEE, SKCET'



## IT| PROJECT EXPO 2K22



To celebrate our proud standing as Engineers in the society, the Department of **Information Technology** organized “**Project Expo - 22**” on 15.09.2022. Around 85 students participated in the expo and enthusiastically pitched ideas and demonstrated their project findings before the panel. Ideas and solutions were presented for problems in various thrust areas, using trending technologies like AI, IoT, Edge Cloud, etc.

### Panel Members:

- Dr.S. Oswalt Manoj, Assistant Professor, CSE
- Dr. G IgnishaRajathi, Associate Professor, CSBS



## M.TECH. CSE | PROJECT EXPO



As a tribute to one of our greatest Engineer **Mokshagundam Visvesvaraya**, Department of **M.Tech Computer Science and Engineering** organized **Tech Trek-22** on 15.9.2022. **Dr.K Sivabalan**, Professor, Department of **Information Technology** and **Dr.Albert Raj**, Professor, Department of **Electronics and Communication Engineering** were the panel members. Students actively participated in the event and exhibited their projects to the panel members.

### Winners of the event

Prize	Team Name	Students Name
First Prize	Connect the Dots	Ananth M, ManoharamN, Vishan P G
Second Prize	Farm Assistants	Christy Mounica A, Harsh J Patel, Karthikeyan
Third Prize	Automators	Vasanth Kumar, Dhayananth S, Vikas J, Aravind

## EEE | PROJECT EXPO'22



*“Science can amuse and fascinate us all, but it is engineering that changes the world.”*

As a part of Engineer's Day Celebration, Department of **EEE** conducted **Project Expo' 22** for the students. Around 37 teams actively participated in exhibiting their Innovative Projects under various domains with Prototype Models and Demonstration. Students gave remarkable presentation and the jury members provided their valuable suggestions for further refinements.

### Panel Members:

- Mr. S.Pranesh, Electrical Design Engineer - Bus Ducts & Cable Trays, Coimbatore.
- Dr. R.Soundarrajan, Professor/Mech
- Dr. B.Maruthi Shankar, Associate Professor/ECE



# EEE | PROJECT EXPO'22 - FELICITATION OF WINNERS



**Team TECHNOVATION & Team EMERALDS**

- 1.Asfak N - IV EEE A
- 2.Farhan Nazeer - IV EEE A
- 3.Balakumar R - IV EEE A
4. Shyam Vignesh C - IV EEE C

**Team BLUE SKYWALKERS**

- 1.Harish K - III EEE A
- 2.Harikrishnan R - III EEE A
- 3.Harini S - III EEE A
- 4.Kaviya M - III EEE A

**Team MIRACLE MAKERS**

- 1.Abishek M S - II EEE A
- 2.Mano B - II EEE A
- 3.Kabilan A G - II EEE A
- 4.Dhilip Kumar V - II EEE A

The innovative ideas and efforts taken by the participants for developing the working models of the project were highly appreciated by the Jury members. **Dr. S. Sophia**, Dean - R&D felicitated the Winners of the event with Certificates and cash awards.



# MCT | IN HOUSE PROJECT EXPO22



As a part of **Engineers Day** celebration, Department of **Mechatronics Engineering** organized "In house Project Expo 22". Student teams displayed their innovative projects that were useful to the society. Highlights of this expo include: Interdisciplinary projects, Autonomous guided vehicle, Chat bots and security appliances

**Jury Members:**

- Dr.A.Rajesh Prof/Mechanical
- Dr.G.Radhakrishnan Asso Prof/EEE
- Ms.U.Vanitha AP/ECE

**Winners of the event**

Prize	Team Name	Students Name
First Prize	Tech Squad	Nithesh Anand, Cheran R, Chibidharan P, Deepak K, Hariharan
Second Prize	Team Mechatronz	Amritbalaji K, Boobesh Kumar K, Abdul Bahir A, ChandruP, Arulmurugan R
Third Prize	Tech Mutants	Neelash Kannan A, Vishnu Prakash N, Vishal S, Manoj R M

## CSBS|IDEATHON 2022



### SYSTRONS of CSBS Department exhilarated the awesome world-making Engineer's Day.

Department of Computer Science and Business Systems organized "IDEATHON 2022" for the students on 15.09.2022 as apart of Engineers' Day Celebration.

Around 36 teams submitted their ideas among which 15 teams were shortlisted for the final round. The participants presented their ideas on the recent trends like Internet of Things, Artificial Intelligence, Agriculture etc.

#### Expert Panel Members:

- Dr.A.Albert Raj, Professor, ECE
- Dr.U.Barakkath Nisha, Associate Professor, IT
- Mr. N. Ramachandran, Assistant Professor, Mech

The jury members appreciated the brilliant ideas and prototypes, which positively impacted the societal realm and the winners were awarded with exciting cash prizes.



# CIVIL | SUSTAINABLE INNOVATION CHALLENGE SIC'22



R&I Cell of Civil Engineering Department organized “**Sustainable Innovation Challenge 2K22**”. Students exhibited their Innovative Projects in the form of posters. The winners were rewarded with exciting cash prizes. The event was planned and organized by **Mr. A. Jesudass**, Assistant Professor, Civil.

## Winners of the event

Prize	Team Name	Students Name
First Prize	Civileons	Saran K, Sanjay K, Sathrapathi SE P, Kirthick Raja K, Aravind Babu G S
Second Prize	The Weekend	Sujan H, Samrich A, Sideshwar M
Third Prize	Civil Strike	Abhinaya R, Kapil E, Naveen Suriya M, Hari Ram K, Sushil G
Third Prize	Civil United	Aishwarya K, Charuthy D, Siva Senthil K, Sowndhar V R





**KRIZEN**



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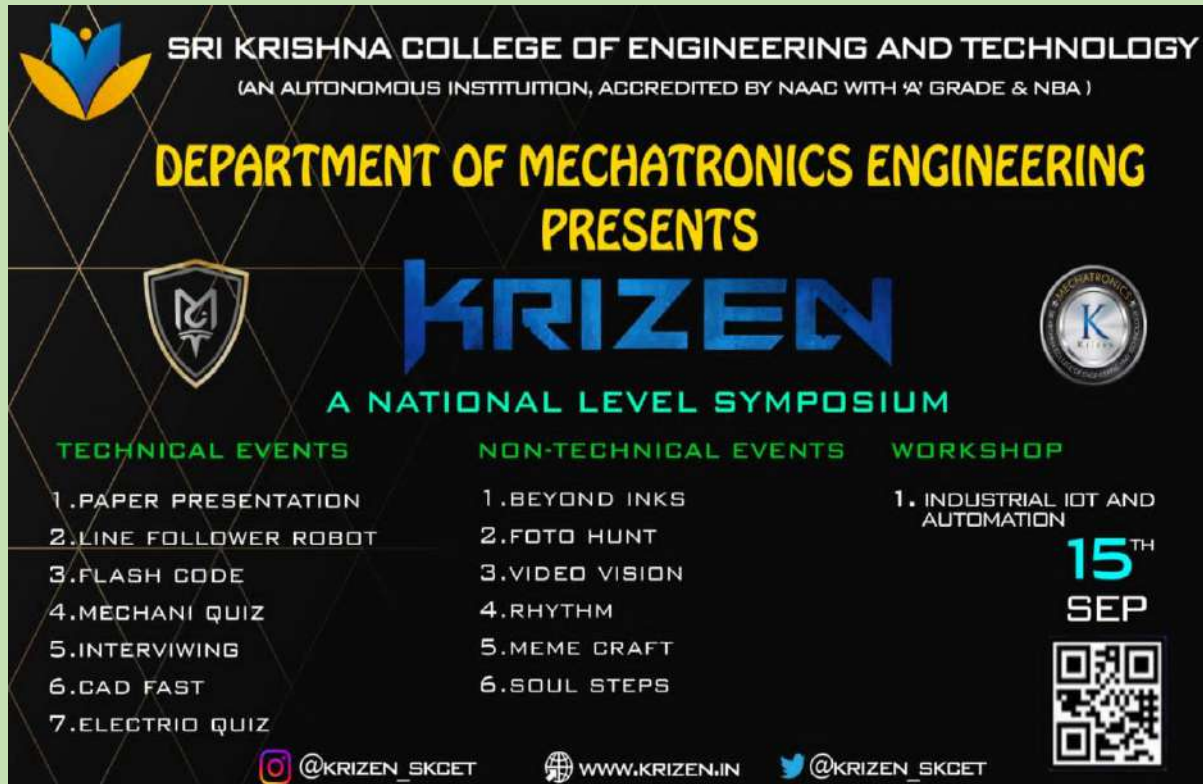


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# MCT| KRIZEN'22 - A NATIONAL LEVEL SYMPOSIUM



**SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
 (AN AUTONOMOUS INSTITUTION, ACCREDITED BY NAAC WITH 'A' GRADE & NBA)

**DEPARTMENT OF MECHATRONICS ENGINEERING**  
**PRESENTS**  
**KRIZEN**  
**A NATIONAL LEVEL SYMPOSIUM**

TECHNICAL EVENTS	NON-TECHNICAL EVENTS	WORKSHOP
1. PAPER PRESENTATION	1. BEYOND INKS	1. INDUSTRIAL IOT AND AUTOMATION
2. LINE FOLLOWER ROBOT	2. FOTO HUNT	
3. FLASH CODE	3. VIDEO VISION	<b>15<sup>TH</sup></b> <b>SEP</b> 
4. MECHANICAL QUIZ	4. RHYTHM	
5. INTERVIEWING	5. MEME CRAFT	
6. CAD FAST	6. SOUL STEPS	
7. ELECTRIC QUIZ		

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  WWW.KRIZEN.IN   
  @KRIZEN\_SKCET

Department of **Mechatronics Engineering** organized a National Level Symposium **KRIZEN Second Edition** on 15<sup>th</sup> of September 2022, to commemorate Engineers' Day. The event brought the innate talents and technical skills of the students to limelight and it provided a wonderful platform for the students across India to showcase their skills and talents. KRIZEN, the monumental fest had 7 Technical Events, 6 Cultural Events and 1 Workshop. Total number of registrations received for all the events pan India was more than 3500. The participants had an exhilarating time, sharing their innovative ideas and honing their technical and cultural skills.

# MCT| KRIZEN'22 - INAUGURATION CEREMONY



Department of **Mechatronics Engineering** organized **Krizen'22**, a National Level Symposium to commemorate **Engineers' Day** on 15.09.2022. The inaugural function of this event was in the Convention Centre, SKCET campus. **Mr. Laxman Subramanian, Global Sourcing Manager, Apple Inc., California, United States** inaugurated the symposium in the presence of **Dr. J. P. Ananth**, COE and Dean - Academics. He appreciated the efforts taken by the Department for organizing this event.

## Highlights of the Session:

- Importance of SWOT analysis
- Thoughts of Tiruvallur on SWOT analysis
- Innovative Thoughts of Steve Jobs
- Congratulations to the participants



## MCT| KRIZEN'22 - WORKSHOP ON INDUSTRIAL IoT & AUTOMATION



Department of Mechatronics Engineering has conducted a workshop on **Industrial IoT & Automation** as a part of Krizen'22 to commemorate Engineer's Day 2022 at Convention Centre. The resource person of this workshop was **Mr. Laxman Subramanian, Global Sourcing Manager, Apple Inc., California, USA**. Around 1250+ participants participated this event in hybrid mode. The key highlights of the session were:

- Autonomous vehicles
- Electric vehicles (EV)
- Automation features in EV
- Companies making autonomous vehicles
- Semiconductor chips

## MCT| KRIZEN'22 - PAPER PRESENTATION



**Paper presentation** event was conducted was organized as a part of KRIZEN 2022. Out of 428 abstract submissions from various institution across the nation, totally 21 teams were shortlisted. The selected teams presented their innovative ideas to the expert members.

**List of Themes:** Robotics and Automation, Smart Agriculture, Blockchain, Alternate energy and fuel, Micro factories, IoT home, Smart vehicles, and Digital twin.



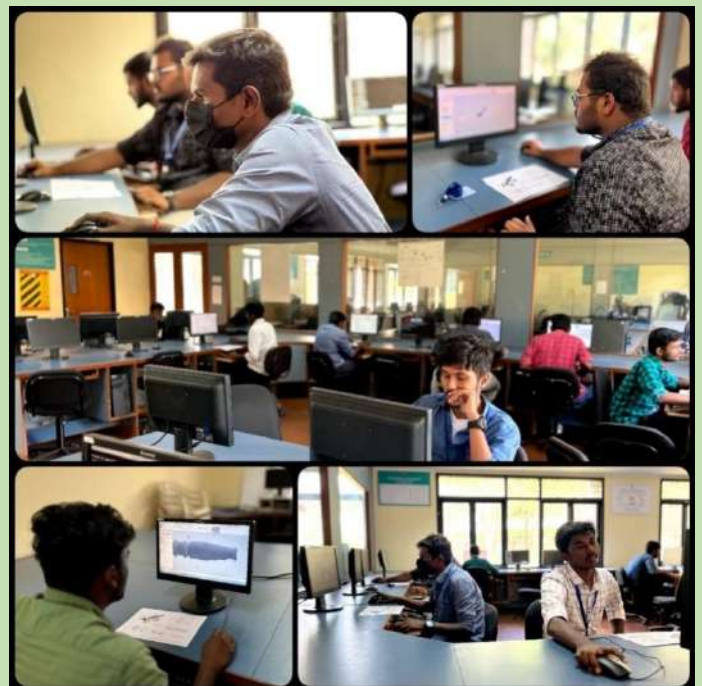
## MCT| KRIZEN'22 - FLASH CODE



As a part of Krizen'22 the **Flash Code** event was conducted using the Hacker Earth portal for the participants where they can improve their coding skills in a competitive way at Venkatram Learning center. In this event, the knowledge, speed, accuracy and confidence level of the participants were tested.

## MCT| KRIZEN'22 - CAD FEST

**CAD Fest** was conducted at Virtual Instrumentation laboratory to bring out the esteemed minds of future engineers in the field of Mechanical Engineering. The drafting skills of the participants were tested on their thinking and imaginary skills under the domain of Design Thinking.





## MCT| KRIZEN'22 - ELECTRIOQUIZ

**ElectrioQuiz** was conducted on 15.09.2022 as a part of Krizen 22. In which the participants were lightened up by their knowledge in the branch of electrical and electronics. This event confronted the attendees' analyzing skills within a limited time



## MCT| KRIZEN'22 - MECHANIQUIZ



**MechaniQuiz** event was conducted with two rounds. Round 1 was conducted in online mode on 12.09.2022, and second round conducted through Hacker Earth portal at Venkatram Learning Centre on 15.09.2022.

## MCT| KRIZEN'22 - INTERVIEWWIND



**Interviewwind** event was conducted with three rounds. Round 1 Aptitude MCQ was conducted in online mode, and remaining two rounds was conducted at Venkatram Learning Centre.

Round 2 - Group Discussion

Round 3 - Mock Interview

The jury members for this event were,

1. Dr. Suraj Beham, S&H
2. Dr. Senthil Ganesh, ECE
3. Dr. Antonyraj, SoM

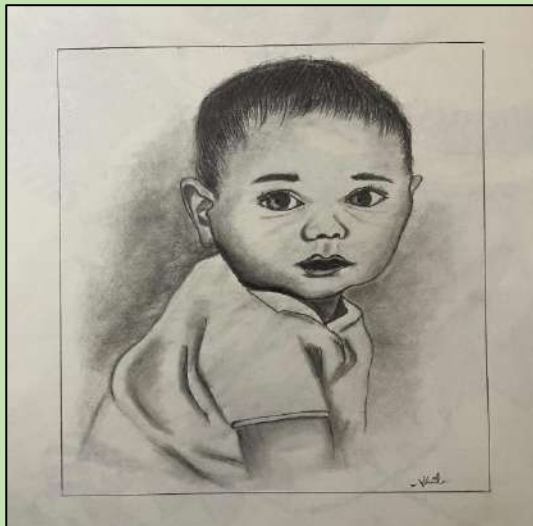
## MCT| KRIZEN'22 – LINE FOLLOWER ROBOT



As a part of Krizen'22, the event “**Line Follower Robot**” was conducted on 15.09.2022 at Classroom Block- 5. The participants from various institutions actively participated in this event.



## MCT| KRIZEN'22 – NON - TECHNICAL EVENTS



Six non-technical events were conducted as a part of **Krizen'22** via online mode on 15.09.2022.

List of Events:

- Soul Steps
- Rhythm
- Foto Hunt
- Beyond Inks
- Meme Craft
- Video Visions

# MCT| KRIZEN'22 – VALEDICTORY CEREMONY



The valedictory function of the Second edition of a National Level Symposium **KRIZEN** was held at convention centre. The Valedictory ceremony of the symposium was presided by **Dr. V. Ragavi**, Dean - Students Affairs. The prize winners of 7 offline events, Project Expo 2K22, and 6 online events were felicitated in the valediction ceremony.





## STUDENT CERTIFICATION



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## EEE | IEEE YESIST12



Jayasurya.R, KrithikRaju.S, Latchiya.D, Lavanya.V, students of ThirdyearEEE “A” have participated in the Grand Finale of IEEE YESIST12, Contest 2022 and has presented a project titled “Design of High Efficiency Solar Power Generation using Dual axis Tracking”.



# EEE | IEEE YESIST12



Farhan Nazeer, BalaKumar.R, Asfak.N, students of Final year EEE A have participated in the Grand Finale of IEEE YESIST12, Contest 2022 and have presented a project titled “Octamagnetocore Ceiling Fan”

# IT| WORKSHOP ON ML



## NGCS CERTIFICATE OF PARTICIPATION

This is to Certify that

Mr/ Ms SURENDRAN.V has  
Participated in the MACHINE LEARNING Workshop  
held at IIT Research Park as on 04/09/2022



Authorized Signatory

[www.NGCS.IN](http://www.NGCS.IN)



## NGCS CERTIFICATE OF PARTICIPATION

This is to Certify that

Mr/ Ms THARUNNESH .S.K has  
Participated in the MACHINE LEARNING Workshop  
held at IIT Research Park as on 4/09/2022



Authorized Signatory

[www.NGCS.IN](http://www.NGCS.IN)



## NGCS CERTIFICATE OF PARTICIPATION

This is to Certify that

Mr/ Ms SRIMAN .R has  
Participated in the MACHINE LEARNING Workshop  
held at IIT Research Park as on 04/09/2022



Authorized Signatory

[www.NGCS.IN](http://www.NGCS.IN)



## NGCS CERTIFICATE OF PARTICIPATION

This is to Certify that

Mr/ Ms SIVA GANESH .P has  
Participated in the MACHINE LEARNING Workshop  
held at IIT Research Park as on 4/09/2022



Authorized Signatory

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Student team of **Third** year **IT** has participated in a workshop on **Machine Learning** held on 04.09.22 organized by IIT Research Park, Chennai.





## EVENTS



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# ECE| HANDS ON SESSION ON CST MICROWAVE STUDIO SUITE TOOL



Department of **Electronics and Communication Engineering** organized a Hands on Session on "**CST Microwave Studio Suite Tool**" for its faculty members and Pre-final year ECE students on 06.09.2022 and 07.09.2022 at DSP Lab.

## Session Highlights:

- S-Parameter and Eye pattern analysis
- Signal integrity and Power integrity
- Schematic design layout
- Electronic circuit simulation.



# MECH| WORKSHOP ON TWO DIMENSIONAL DRAFTING



Association of **Mechanical Engineers** along with the Department of **Mechanical Engineering** organized a workshop on ‘**Two Dimensional Drafting**’. Personals from CAD Centre, Coimbatore were the resource persons for the event. The session was a systematic knowledge enrichment programme which focused on drafting using Auto CAD.

## MECH | INDUSTRIAL VISIT - PUMO TECHNOVATION



Students of **Third** year **Mechanical Engineering** Department visited **Puma Technovation**, Coimbatore on **10.09.2022**. Students had a practical exposure towards robotics, automation and Industry 4.0.



# CIVIL|GUEST LECTURE ON VALUATION OF ASSETS



Institution Innovation Council and Civil Engineering Association along with the Department of Civil Engineering organized a Guest Lecture on "Valuation of Assets" on 14.09.2022. **Er.Pichaiya Subramaniam**, Valuer and Chartered Engineer, Chief Executive Officer, Pichaiya Associates, Coimbatore was the Resource Person.

## Session Highlights:

- Valuation of Assets - A Professional Avenue of Engineers
- Discussed about the Value of Assets, Engineer vs Valuer
- Valuation as a career and it's Valuation process
- Opportunities of the registered valuer
- Attributes of assets - Utility, Demand, scarcity and Transferability

The event was organised by **Mr. S. C. Boobalan**, Assistant Professor, Civil Engineering Department.

# EEE | FDP ON INTEGRATION OF EV IN SMART GRID USING V2G TECHNOLOGY

**Smart Grid Configuration - Proposed Topology**

SOURCE I	SOURCE II	LOAD	BATTERY STRENGTH	DESCRIPT
Available	Available	Full Load	Full	$I_{L1} + I_{L2} = 1$ Load is powered i
Available	Available	Full Load	Partial	$I_{L1} + I_{L2} - I_{B1} =$ Load is powered in Battery is cha
Available	Not Available	Full Load	Full/Partial	$I_{L1} = I_{L2} + I_{B1} =$ Load is powered by Battery is alia
Available	Available	No Load	Partial	$I_{L1} + I_{L2} = 1$ Battery is cha
Available	Available	No Load	Full	Grid export of expansion

**Challenges**

- Quality and Consistency in Power Production
- Reduction of Initial Cost through technological development
- Optimal Pricing
- Government Financing Mechanism
- Research and Development
- Regulatory Schemes
- Skilled Man Power
- AI and ML Deployment

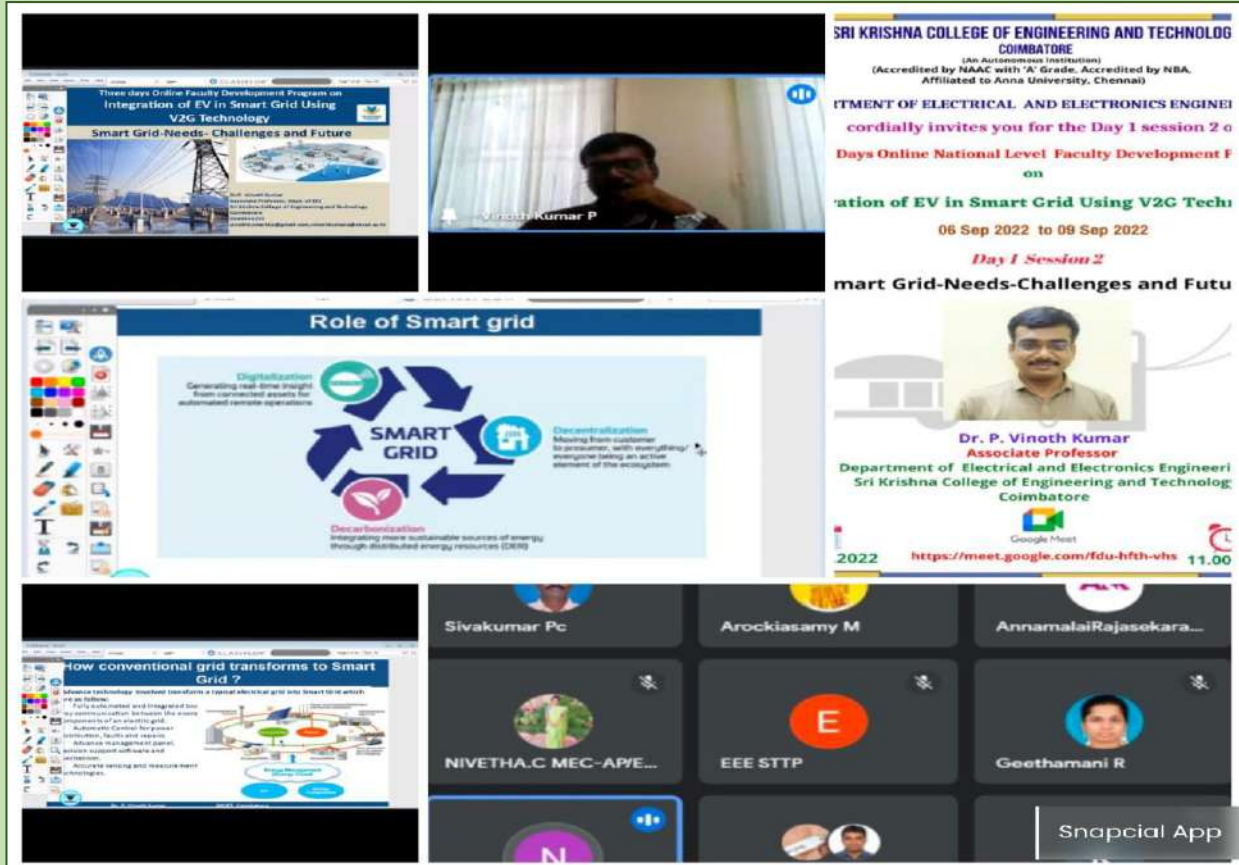
If you want to shine like a sun, First burn like a sun  
- A. P. J. Abdul Kalam

Department of **EEE** has organized a three days National Level Online Faculty Development Programme on 'Integration of EV in Smart Grid using V2G Technology' in Collaboration with 'EV Hub', Coimbatore from 06.09.2022 to 08.09.2022.

**Dr.S.R.Sivarasu**, Energy Auditor, Coimbatore inaugurated the FDP and delivered a lecture on 'Scope and Opportunities in V2G Technology'. The programme was an impactful informative insight on trending topics such as Challenges in V2G Technology, Advanced Switchgears, Smart Communications and Fault Tolerance Techniques.



# EEE | FDP ON INTEGRATION OF EV IN SMART GRID USING V2G TECHNOLOGY



## Session 1:

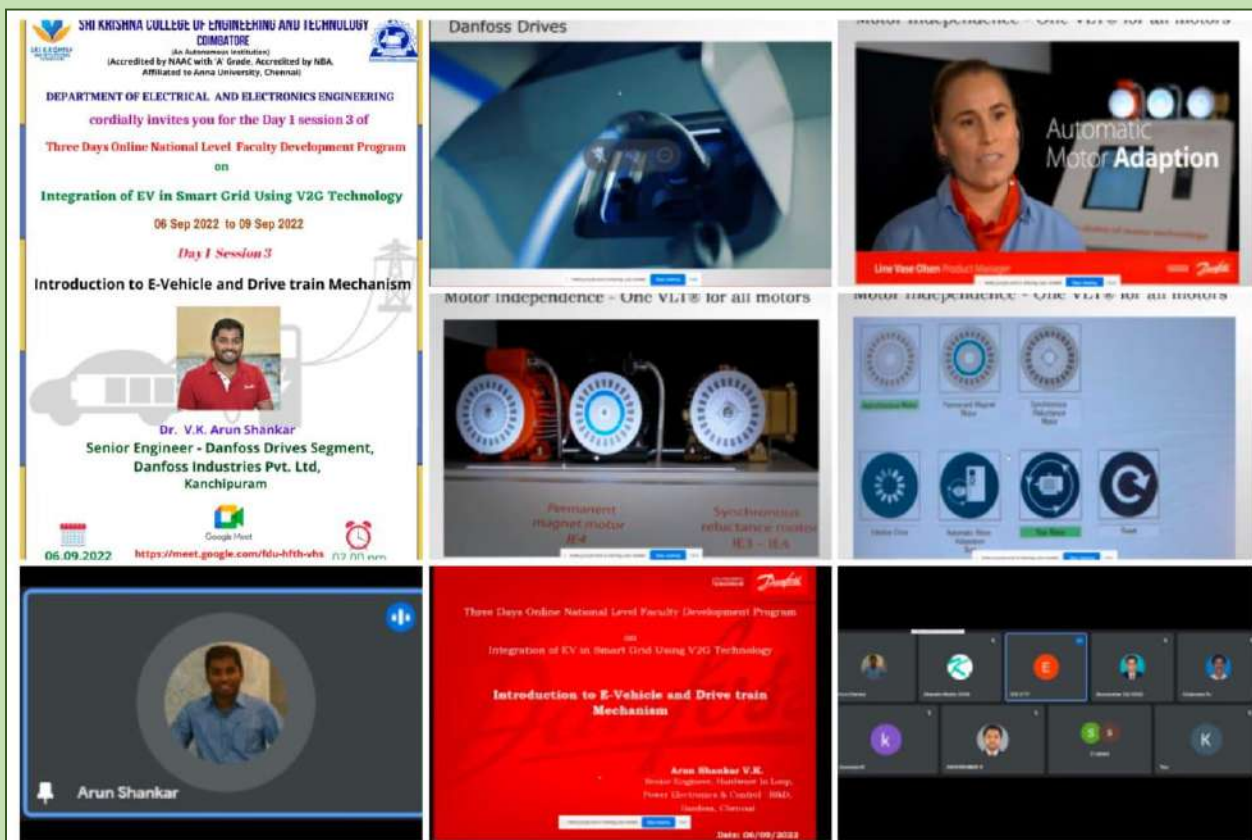
**Topic:** Smart Grids, Needs and Challenges and Future

**Resource Person:** Dr.P.Vinoth Kumar, Associate Professor, Sri Krishna College of Engineering and Technology, Coimbatore.

### Session Highlights:

- Impacts of Conventional Grids
- Comparative analysis of Conventional and Smart Grid
- Essentials of Smart Grid Systems
- Importance of Power Quality Monitoring in Smart Grid

# EEE | FDP ON INTEGRATION OF EV IN SMART GRID USING V2G TECHNOLOGY- DAY 1



## Session 3:

**Topic:** Introduction to E- Vehicle and Drive Train Mechanism

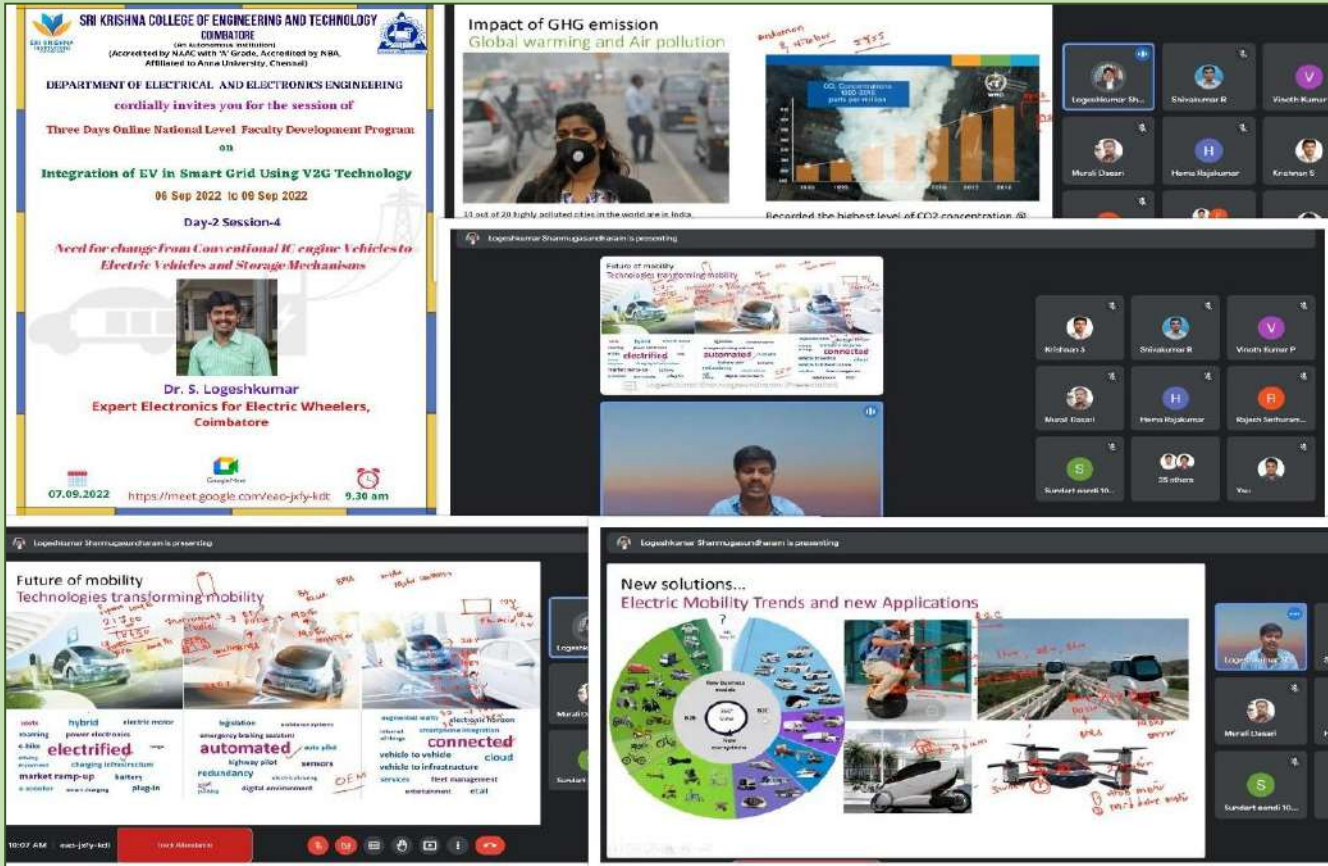
**Resource Person:** Dr. Arun Shankar V.K, Senior Engineer - Danfoss Drives Segment, Danfoss Industries Pvt. Ltd, Chennai.

### Session Highlights:

- Technological Advancements in Drives
- Digitalization of Energy
- Electrified wing of EV
- Motor Selection for EV



# EEE | FDP ON INTEGRATION OF EV IN SMART GRID USING V2G TECHNOLOGY - DAY 2



## Session 4:

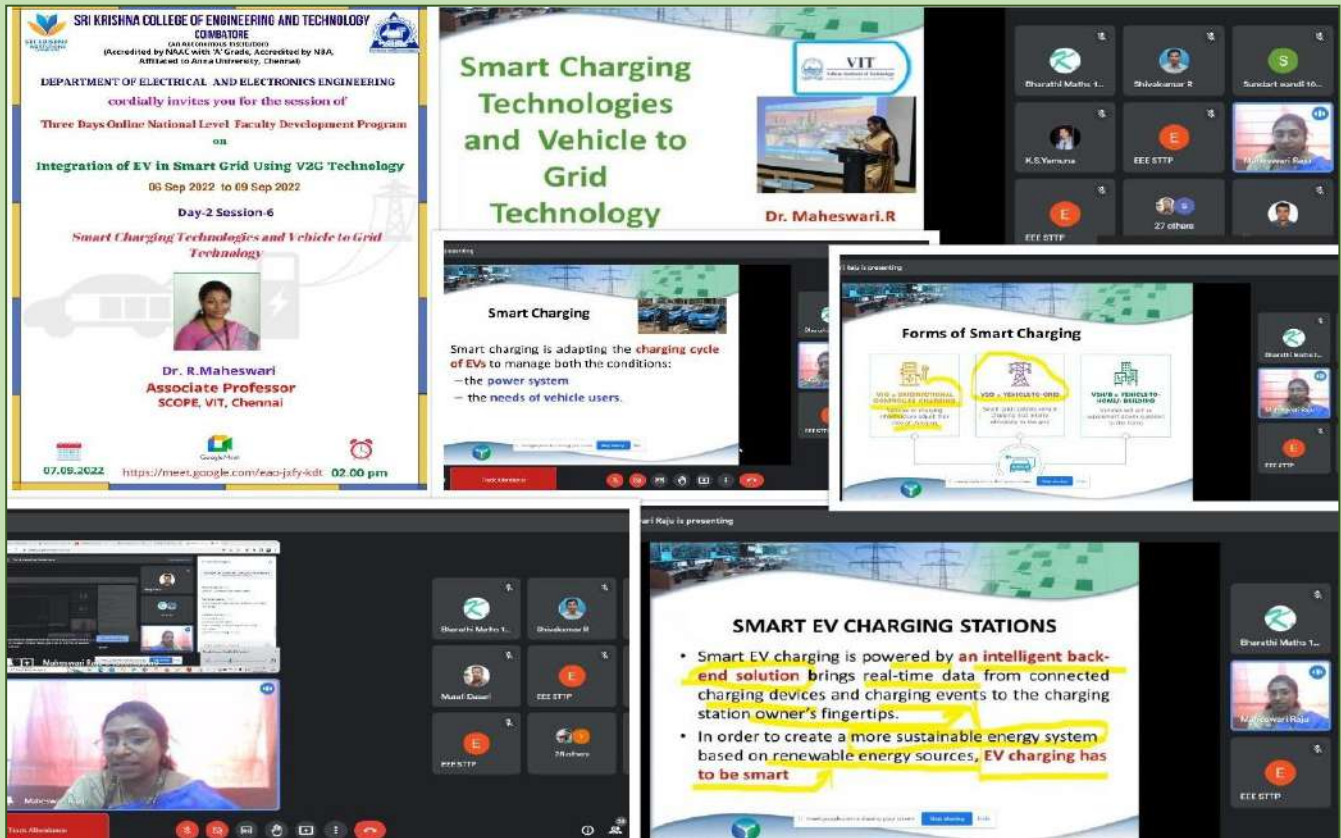
**Topic:** Need for Change from Conventional IC Engine Vehicles to Electric Vehicles and Storage Mechanisms

**Resource Person:** Dr. S. Logeshkumar, Expert Electronics for Electric Wheelers, Coimbatore.

### Session Highlights:

- Driving EV - Powertrain
- Trends in Motor Drive Systems
- Integration of RE & PE Systems
- Mobility and Data-Centric Innovations

# EEE | FDP ON INTEGRATION OF EV IN SMART GRID USING V2G TECHNOLOGY - DAY 2



## Session 5& 6:

**Resource Person:** Dr. R. Maheswari, Associate Professor, School of Computer Science and Engineering, VIT University, Chennai.

**Topic:** Need for Change from Conventional IC Engine Vehicles to Electric Vehicles and Storage Mechanisms

### Session Highlights:

- Transition in Transportation Infrastructure
- Interfacing of Smart Charging in Real Time
- Trends in V2G & V2B Technology
- Smart EV Charging Station
- Benefits of EV Drivers



# EEE | FDP ON INTEGRATION OF EV IN SMART GRID USING V2G TECHNOLOGY - DAY 3



## Session 7:

**Resource Person:** Mr. M.D.Karthigeyan, Technical Manager, EV Hub, Coimbatore

**Topic:** Hands on Training Session

### Session Highlights:

- Real Time Battery Management System
- BS IV vs. BS VI
- Controller in EV
- Over Current, Over Voltage - Drive Protection Sensor
- Powertrain Mechanism and Charging System in EV.

# EEE | FDP ON INTEGRATION OF EV IN SMART GRID USING V2G TECHNOLOGY - VALEDICTORY FUNCTION

**SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**COIMBATORE**  
(An Autonomous Institution)  
(Accredited by NAAC with 'A' Grade, Accredited by NBA, Affiliated to Anna University, Chennai)

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
cordially invites you for the Valedictory function of

**Three Days Online National Level Faculty Development Program**

on

**Integration of EV in Smart Grid Using V2G Technology**  
06 Sep 2022 to 09 Sep 2022

Google Meet  
<https://meet.google.com/fdu-hfth-vhs>

09.09.2022 2.00 pm

**CO<sub>2</sub> Concentration, Temperature, and Sea Level Continue to Rise Long after Emissions are Reduced**

Sea level rise due to sea melting several inches

CO<sub>2</sub> emissions peak 2 to 100 years

Temperature stabilization in this century

CO<sub>2</sub> stabilization 50 to 100 years

CO<sub>2</sub> emissions

Today 100 years 1,000 years

Snapcial App

The Valedictory Ceremony of the three days National Level Online Faculty Development Programme on '**Integration of EV in Smart Grid using V2G Technology**' in Collaboration with 'EV Hub', Coimbatore was organized on 9.9.2022.

A Session on **Impact of Renewable Energy in Grid** was also delivered by **Dr. G. Radhakrishnan**, Associate Professor, Sri Krishna College of Engineering and Technology, Coimbatore.



## EEE | GUEST LECTURE ON INDUSTRIAL POWER SYSTEM ANALYSIS USING ETAP



Department of **Electrical and Electronics Engineering** organized a Guest Lecture on "**Industrial Power System Analysis Using ETAP**" for the **Pre-final year EEE** students on 10.09.2022.

### Resource Person:

Mr. Vidhya Sagar,  
Lead Engineer - Power Projects, Chennai.

### Session Highlights:

- Standard Load Flow and Short Circuit analysis
- Power flow studies in Industries
- Advanced Techniques using ETAP
- Load Flow and Short Circuit study using ETAP.

# EEE | ELECTROSIMATHON



Department of **Electrical and Electronics Engineering** organized a Hands-on Session "**Electrosimathon**" on 10.09.2022

**Resource Person:** Mr. Rameez Khan, Senior Project Engineer, Soliton Technologies, Coimbatore.

### Session Highlights:

- Image processing using NI-IMAQ
- Sound Acquisition using Sound waves
- Real time Signal Processing and Conditioning - Amplification and Attenuation using LABVIEW



# M.TECH. CSE | GUEST LECTURE ON REACT JS



Coimbatore, TN, India  
Kuniyamuthur, Coimbatore,  
Lat 10.936881, Long 76.956029  
09/10/2022 03:52 PM



Kuniyamuthur, Tamil Nadu, India  
WXP4+JF5, BK Pudur, Sugunapuram East, Kuniyamuthur,  
Tamil Nadu 641008, India  
Lat 10.936727°  
Long 76.956125°  
10/09/22 03:20 PM GMT +05:30



**Adarsh B**  
Full Stack Developer  
Verizon (Chennai)

DEPARTMENT OF M.TECH CSE

Organizes

GUEST LECTURE

on

React JS

Scan to Join



HTM-SQIW-EXH

Venue  
BS-05

SATURDAY

10/09/2022

2:00 PM

Department of M.Tech Computer Science and Engineering organized a Guest Lecture on "React JS" 10.9.2022. Mr. B.Adarsh, Full Stack Developer, Verizon, Chennai was the Resource Person. The key points discussed were: Prerequisites for React JS, React JS Introduction, ES6 Concepts, JSX Rendering Elements, React Components & Routers, React Hooks and React Props.

# SOM | PROQUEST - FACULTY FORUM

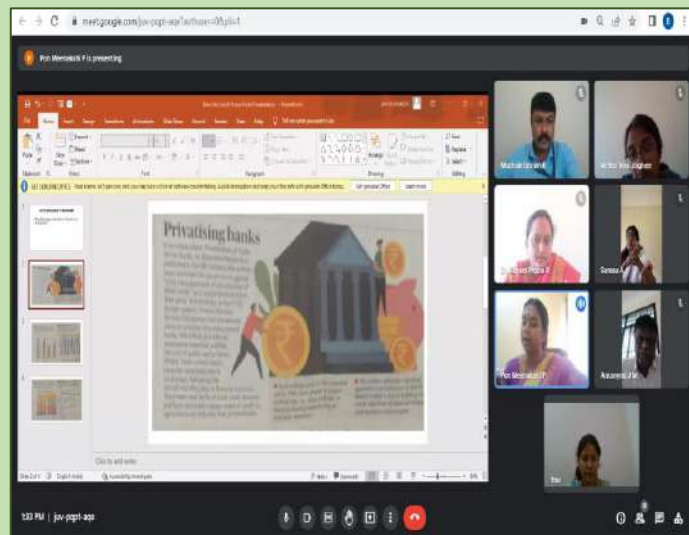
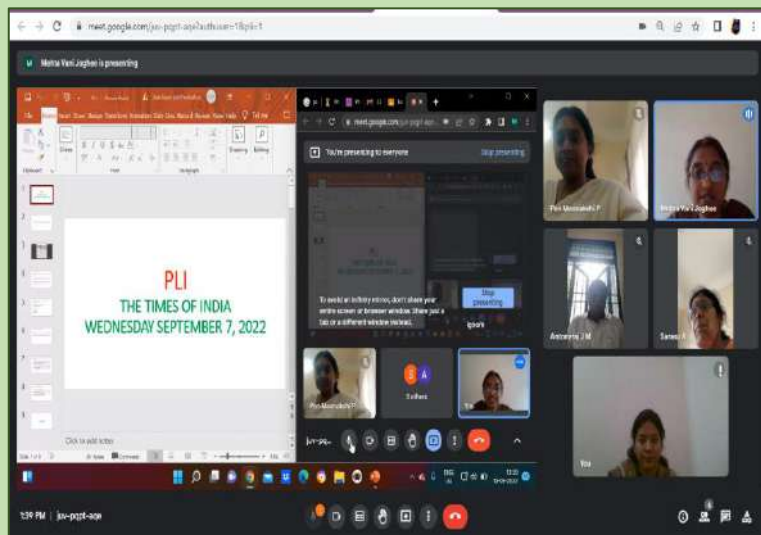


School of Management conducted “Proquest” Faculty Forum on 09.09.2022 and 10.09.2022. Faculty members of the Department presented the articles from Harvard Business Review and Proquest portal.

SL. NO	FACULTY NAME	TOPICS
1	Dr.PonMeenakshi	It's time to Declutter – Gulf News
2	Mr.R.Muthukrishnan	Ten things you should know about E-Commerce India.



## SOM | LETS DISCUSS PROGRAM



School of Management conducted **week Five** of **Let's Discuss Program** from 09.09.2022 to 14.09.2022. Faculty members virtually presented the current business news from reputed business dailies.

SL. NO	FACULTY NAME	TOPICS
1	Dr.PonMeenakshi	Taking stock of Investors
2	Dr.PonMeenakshi	EV Sales likely to Jump by over 4x by 2025 in India
3	Dr.PonMeenakshi	" No Moon lighting" - Infosys warning to Employees
4	Ms.MehtaVaniJoghee	PLI – Production Linked Incentive Scheme
5	Mr.T.Krishnasamy	Can the southern states sustain the robust Q1 revenue growth?

# CIVIL | ANTIRAGGING AWARENESS PROGRAMME



Department of Civil Engineering organised "Anti-ragging Awareness Programme" for all the department students. Mr. S. Anbu Chezhiyan, Advocate, Coimbatore was the Resource Person. The session created awareness among the students to have a cordial relationship with their senior and junior students and the importance of filling anti-ragging affidavit. The resource person also discussed about the legal issues and ethical values in the academic life of students.



# CSE | SEMINAR ON FRONTIERS OF CYBER SECURITY & ETHICAL HACKING



Department of **CSE** in association with Institution Innovation Council organized a Seminar on “**Frontiers of Cyber Security & Ethical Hacking**” for the **Second** year students and the faculty members on 12.09.2022. **Mr.DineshParathagan**, Founder & CEO, Hackup Technology, Coimbatore was the Resource Person. The importance of cybercrime& emerging technologies of hacking concepts, real time industry-level use cases, Deep web, Dark web, Surface web & tools and utilization of Google search were the session highlights.

## ECE| SOFT SKILLS PROGRAM IN ASSOCIATION WITH QUINBAY



Department of **ECE** in association with **Quinbay Technologies**, conducted Additional Credit Course on Soft Skill Training (Phase - 4) on 15.09.2022 for the **Third** year **ECE** students. Session was handled by **Mr. Abhijit Bhide**, Startup Consultant. Product development, Development Lifecycle, Constraints accounting for estimating and planning, Considerations when designing a product, Usual challenges and choice development needs to be done in Industries, Predominant metrics and measurement besides some granular metrics, Communication vs Articulation, Golden circle and the procedure to plan for good articulation were the session highlights.





## RESEARCH & DEVELOPMENT



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## R&D | PAPER PUBLICATION | ECE

International Conference on Electronic Circuits and Signaling Technologies ICP Publishing  
Journal of Physics: Conference Series 2325 (2022) 012040 doi:10.1088/1742-6596/2325/1/012040

### Effective and Efficient Honey Harvest Alert System for Bee Farms

<sup>1</sup>Dr. A. Albert Raj, <sup>2</sup>Kavita, <sup>3</sup>T. Juva, <sup>4</sup>Kiran L.K

<sup>1</sup>Professor, Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India. albert@skcet.ac.in

<sup>2</sup>UG Student, Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India. tbees047@skcet.ac.in

<sup>3</sup>UG Student, Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India. tbees074@skcet.ac.in

<sup>4</sup>UG Student, Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India. tbees081@skcet.ac.in

**Abstract.** The technology described in this paper could be used to support the rural people who practice apiculture. The present innovation helps to increase the quality attributes of the honey by automating the process of monitoring the honey broods in order to obtain the first quality honey. The proposed invention continuously monitors the honey brood using the webcam and image processing technique is used to identify the capping level with absolute accuracy. We also monitor the humidity level inside the brood box using the humidity sensor ensuring the quality of honey produced and quality of the environment for the sustaining of bees. Image processing and machine learning is used to identify the level of capping occurred in the beehive and first quality of honey could be extracted if at least 75% of cells of the hive are capped.

**Keyword:** Image processing, Machine learning, Capping, Humidity, Apiculture

**1. Introduction:**  
Traditionally honey is harvested from mountain cliffs and trees using the bare hands, hanging from the ropes and this method is not safe. But the modern method incorporates the usage of honey broods and practice apiculture for large honey production. According to National Agricultural Statistics-2020, it is observed that amount of pure honey production has gradually reduced over the past few years, mainly due to improper handling of honey broods. When Apiculture is practiced in a rural environment, the entire environment will get polluted by the bees which in turn will improve the ecosystem of the village / rural area. As the honey harvest alert system will improve the productivity of bee farms, more

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Dr. A. Albert Raj, Professor, Department of ECE has published Scopus indexed Conference paper titled “Effective and Efficient Honey Harvest Alert System for Bee Farms” in the International Conference on Electronic Circuits and Signaling Technologies, a Scopus Indexed Conference.

## R&D | PAPER PUBLICATION | ECE

Ms N Nanthini, Assistant Professor, Department of ECE along with the students B Kaviya Sree, M Kavya, K Monika has published a Scopus indexed conference paper titled “Cervical Cancer Cell Segmentation and Classification using ML Approach” in 2022 7th International Conference on Communication and Electronics Systems (ICCES).

ieeexplore.ieee.org/abstract/document/9835511

Conferences > 2022 7th International Confer.

### Cervical Cancer Cell Segmentation and Classification using ML Approach

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

N Nanthini; B Kaviya Sree; M Kavya; K Monika [All Authors](#)

**Abstract**

In the current era, the developers are focusing on the adequacy of Ensemble Learning (EL) and Transfer Learning (TL) techniques in the field of cervical histopathology photograph determination. However, there is not many examinations which have described the separation stages in cervical histopathological photos. Accordingly, on this study, we advice an Ensemble Transfer Learning (ETL) shape which explains clearly the separated cervical histopathological photos. In addition, we've created Xception, Inception-V3, Resnet-50 and VGG-16 models in the setup. At that factor, to support the order of execution, a weighted EL method is presented. From that factor onward, to proceed with the proposed calculation, a dataset comprising of around 500 photos, recolored through 3 immunohistochemistry techniques (Vascular endothelial growth factor-VEGF, Hypoxia-Inducible Factor-HIF and Aquaporin-AQP) is used. On testing, we gather the maximum accuracy over 97.03% and 98.01% on receiving AQP pictures and recoloring VEGF pictures, separately. At last, a further test in the classification of harmless cell from a dangerous one is finished at the Herlev dataset and receives a popular exactness accuracy of 98.37%.

**Published in:** 2022 7th International Conference on Communication and Electronics Systems (ICCES)

**Authors:**

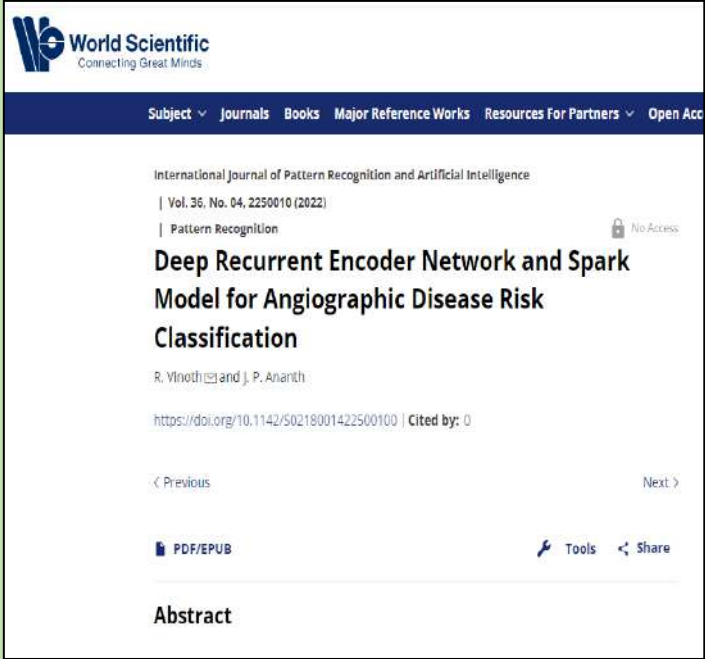
**Figures:** **Date of Conference:** 22-24 June 2022 **DOI:** 10.1109/ICCES54183.2022.9835911



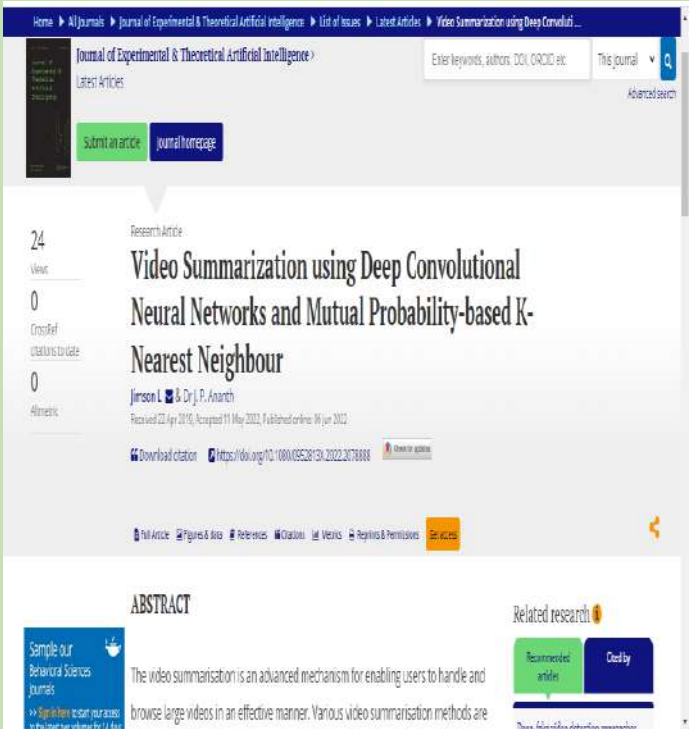
# R&D | JOURNAL PUBLICATION| CSE

**Dr.J.P.Ananth**, COE & Dean Academics, has published a research article titled **“Deep Recurrent Encoder Network and Spark Model for Angiographic Disease Risk Classification”**, in the International Journal of Pattern Recognition and Artificial Intelligence with an Impact Factor 1.26.

<https://doi.org/10.1142/S0218001422500100>



# R&D | JOURNAL PUBLICATION| CSE



**Dr J. P. Ananth**, COE & Dean Academics, has published a research article titled **“Video Summarization using Deep Convolutional Neural Networks and Mutual Probability-based K-Nearest Neighbour”**, in the Journal of Experimental & Theoretical Artificial Intelligence, Taylor & Francis, with an Impact Factor 2.29.

<https://doi.org/10.1080/0952813X.2022.2078888>

# R&D | JOURNAL PUBLICATION | CIVIL

Global NEST Journal, Vol. 04, No. 31, pp. 1-13  
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Printed in Colour. All rights reserved.

**Evaluation of the performance of packed bed column for heavy metal ion removal using rice husk powder coated with iron oxide nano-particles**

Saravanan R.V.<sup>1</sup>, Yoganagi R.<sup>2</sup>, Anand L.<sup>3</sup> and Yogeshwaran V.<sup>4\*</sup>  
<sup>1</sup>Department of Civil Engineering, Vallurmath College of Engineering and Technology, Maturai, Tamil Nadu - 626009, India  
<sup>2</sup>Department of Civil Engineering, Sri Krishna College of Engineering and Technology, Coimbatore - 560009, India  
Received: 22/04/2022, Accepted: 18/07/2022, Available online: 07/09/2022  
\*To whom all correspondence should be addressed: e-mail: svyog27190@gmail.com  
<https://doi.org/10.30554/gnest.2022.111>

**Graphical abstract**

**Abstract**  
The packed bed column study investigated the removal of toxic metal ions (Cr, Pb & Zn) using rice husk coated with iron oxide nanoparticles as an adsorbent material. The chemical fusion process improved the adsorbent material adsorbent, and iron oxide coating provides stability to the prepared nano-adsorbent. The characteristics of prepared nano-adsorbents and their stability were examined by SEM/EDX, XRD, Zeta Potential, TGA & DTA methods. Breakthrough curves confirm the ability to obtain the maximum adsorption under operating conditions of 5, 7.5 & 10 cm bed heights, 200, 200 & 300 mg/L of metal ion concentrations and 5, 7.5 & 10 mL/min of inflow rate of the solutions into the column. The ANOVA & CCD analysis confirms the linearity of actual and predicted values of the amount of adsorption process. Thomas and DST model studies show the best fit to the regression values for obtaining earlier breakthroughs in the fixed bed column. At the pH of 2.0, the maximum amount of heavy metals adsorption was observed. The maximum adsorption rate of the column and adsorbent material was obtained by adding 0.3 M of H<sub>2</sub>SO<sub>4</sub> at 40 minutes average time for all the three metal ions.

Saravanan R.V., Yoganagi R., Anand L. and Yogeshwaran V. (2022), Evaluation of the performance of packed bed column for heavy metal ion removal using rice husk powder coated with iron oxide nano-particles, Global NEST Journal, 4(31), 1-13.

**Keywords:** Fixed bed column, Rice husk, nano-adsorption, Iron oxides, desorption.

**1. Introduction**  
Eliminating toxic heavy metal ions (Cr, Pb and Zn) in the industrial effluent is critical and requires additional treatment apart from the primary, secondary and biological treatment process. The industrial effluent has various types of heavy metal ions, which creates deleterious effects due to the direct discharge from the industries without any prior treatment. It is necessary to remove/reduce the toxic contaminants in the effluent as a part of mitigation measures (Singh et al., 2011). Many treatment techniques are available to eliminate the toxic pollutants from their source of accumulation. But all these additional treatment techniques require very high capital and treatment cost, skilled workers, large space etc. Also, it produces a high amount of secondary sludge, and using highly concentrated acids/bases is a major disadvantage (Yogeshwaran et al., 2022). Adsorption is one of the treatment techniques used widely in recent days to remove/reduce the concentrations of toxic pollutants. It is the process that can accumulate the pollutants on the surface of the adsorbent material (Gholizadeh et al., 2012). Normally, the adsorbent material is created using organic decomposable wastes such as grape leaves, neem leaves, date seeds, rice hulls etc. (Bhargava et al., 2018). The adsorbent materials are synthesized and converted into activated carbon to obtain more surface area and pollutants onto the adsorbent surface (Pillay et al., 2012). This happened due to the Van Der Waals force between the inner walls of the adsorbent surface and the pollutants (Buneev et al., 2017). The process of adsorption may be done by batch/column mode of study based on the concentrations of pollutants.  
Due to the variations in metal ion concentrations and unpredictable flow rates, the batch mode of adsorption has not been able to provide a good quality of results (Malowick et al., 2019). For the large-scale treatment

Dr. V. Yogeshwaran, Associate Professor, Department of Civil Engineering has published a research article titled “Evaluation of the performance of packed bed column for heavy metal ion removal using rice husk powder coated with iron oxide nano-particles” in the Global NEST journal. It is indexed in SCI & Scopus with an impact factor of 1.475.

# PHRASE OF THE WEEK | SALT AWAY

**Salt away**  
To save money or other valuables for future.  
(Phrasal verb)

• She's **salting away** more money for retirement.  
• I tried to **salt away** as much as I could.





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## TRAINING AND PLACEMENT



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# SKCET | VIRTUSA VIRTUAL TRAIN THE TRAINER PROGRAM



As part of Virtusa Virtual Train The Trainer Program, Our SKCET faculty members, **Mrs.M.Kavitha AP/CSE** and **Dr.B.ArunKumar, Associate Professor/M.Tech CSE** had undergone Virtual TTT program from 1<sup>st</sup> June 2022 to 8<sup>th</sup> July 2022. **Virtusa GTP team** appreciated the faculty member's enthusiastic participation and awarded **Best Performer** for their capstone project submission on Java full stack.

**Mrs.M.Kavitha** and **Dr.B.ArunKumar**, faculty members of **M.Tech CSE** attended Virtusa Virtual Train the Trainer Program on Fullstack Engineering and have emerged as the Best Performer.



## PLACEMENT | TESTIMONIAL BY PLACED STUDENTS



My favorite element of SKCET is its faculty members and learning resources. Being knowledgeable, inspiring, and approachable, my mentors provide us with much guidance and mind-opening perspectives. Their dedication to education helped us develop academic interests and grow intellectually. I am thankful to the Placement Team of SKCET for providing a platform to enhance my skills and an opportunity to showcase them. My experience in college has helped me grow personally and professionally in many ways and now I am excited to look for new challenges in a new place while pursuing my dreams. I am very much grateful to my parents for choosing SKCET. Thanks to our Principal Madam and the entire SKCET faculty team.

**KIRUTHIKANJALI B, CSE (2021 BATCH),  
HCL**

My life at SKCET made me stronger and took me a step ahead for being an independent woman. I loved the infrastructure of SKCET and its life. The events that I took part helped me in enhancing my confidence level. I would like to appreciate the placement cell at SKCET for the efforts they made for providing ample amount of chances to us. The faculty members worked so hard on our overall development and conducted extra classes for us to enhance our technical and interpersonal skills. Once again my sincere appreciation and gratitude to the SKCET Placement Team for encouraging me to think globally and spread my wings to take off for the land of rising Sun and I appreciate the support of my college for shaping my career and getting me placed in a reputed company. I loved my time here at SKCET.

**ILAKKIYA BALAMURUGAN, ECE (2021 BATCH),  
UGAM**



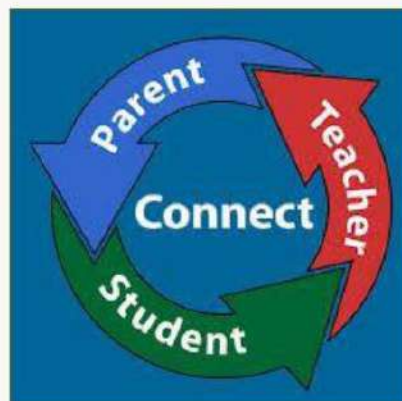


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## TUTOR WARD MEETING



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## MCT| TUTOR WARD MEETING|II YEAR



**Ms.K.Ananthi**, Assistant Professor, MCT conducted Tutor ward meeting for the **Second** year MCT A students. The pointers of discussion were: Feedback on classes, ICT Learnathon course registration and completion status, regular class attendance and participation in Project Expo.

## MCT| TUTOR WARD MEETING|IV YEAR

**Tutor Ward Meeting** was conducted for the **Final** year MCT B students. The pointers of discussion were: Accenture mail confirmation & schedule, Accenture practice test, Cognizant gen c confirmation and motivated the students to be more confident and participate in forth coming events.






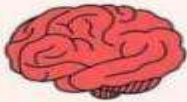
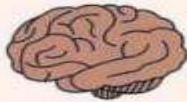

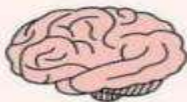

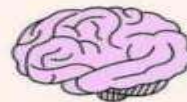
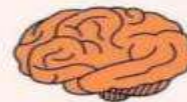

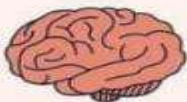
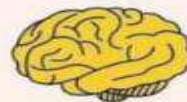
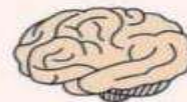
## M.TECH. CSE | CLASS COMMITTEE MEETING



Department of M.Tech Computer Science and Engineering conducted Class Committee Meeting for the Second year on 09.09.2022. Dr. Siva Balan , Professor, IT Department chaired the meeting. The pointers of discussion were: Academic regulations, Tutor ward system, Participation in Hackathon and other competitions, Maintaining Discipline , Dress code and punctuality.

## INFOGRAPHICS | HEALTHY BRAIN

### 12 WAYS TO KEEP YOUR BRAIN HEALTHY

 <p><b>Stimulation</b> Challenge your brain with puzzles, games and new inputs</p>	 <p><b>Exercise</b> Consistent physical exercise will heal the brain and keeps it fit</p>	 <p><b>Proper diet</b> Eat foods with protein, unsaturated fat, fruits and vegetables</p>	 <p><b>Safety</b> Avoid head trauma by wearing helmets and seat belts</p>
 <p><b>Sleep habits</b> Brains need around 7-8 hours of sleep to process &amp; recharge</p>	 <p><b>Learning</b> Keep your brain young by learning new things like a language</p>	 <p><b>Switch routines</b> Change habits, it will surprise your brain &amp; turns off auto-pilot</p>	 <p><b>Be social</b> Interacting will trigger brain processes and lowers depression</p>
 <p><b>Manage stress</b> Try relaxation, as stress exhausts your brain and hormones</p>	 <p><b>Read books</b> Words and stories reduce the risk of cognitive decline</p>	 <p><b>Avoid substances</b> Alcohol, drugs and smoking is bad for your brain health.</p>	 <p><b>Digital detox</b> Too much screen time impacts sleep and will overwhelm the brain</p>



## FACULTY PROGRESSION



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## ECE | SEMINAR – RESOURCE PERSON



Dr.V.Nandalal, Professor, Department of ECE has been the resource person for CSIR sponsored two days seminar on "Exploration, Categorization and Management of the E-Waste Disposal and its Negative Effects for Environment Sustainability" on 02.09.2022 & 03.09.2022 organized by the Department of Electronics & Communication Engineering, KGISL Institute of Technology, Coimbatore.

## LEGENDARY INSIGHTS







## FACULTY CERTIFICATIONS



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# ECE | FDP ON RECENT INNOVATION IN ANTENNAS AND RF FRONTEND SYSTEMS FOR 5G



**Ms. S. M Asha Banu**, Assistant Professor, Department of **ECE** has attended a three days FDP on “**Recent Innovation in Antennas and RF Frontend Systems for 5G**” organized by Chaitanya Bharathi, Institute of Technology, Hyderabad and ARK Infosolution Pvt, Ltd from 28.06.2022 to 30.06.2022.

# EEE | FDP ON EMERGING TECHNOLOGIES IN RENEWABLE ENERGY FOR SUSTAINABLE DEVELOPMENT

**Ms.R.Geethamani**, Assistant Professor, **EEE** Department has participated in Five Days Online Faculty Development Program on “**Emerging Technologies in Renewable Energy For Sustainable Development**” organized by the Department of Electrical&Electronics Engineering, RVS College of Engineering and Technology in association with UniversitiTeknologi MARA(UiTM)



## EEE | FDP ON MATLAB FOR ELECTRICAL ENGINEERING



Mr.N.Loganathan, Assistant Professor, EEE Department has participated in Five Days Online Faculty Development Program on “**MATLAB for Electrical Engineering**” organized by Department of Electrical & Electronics Engineering, Alagappa Chettiar Government College of Engineering and Technology, Karaikudi.

## MECH| COIMBATORE NEXT EVENT

Dr.P.AshokaVarthanan, HoD, Mechanical Engineering and Dr. R. Ramamoorthi, Associate Professor, Engineering attended the program ‘Coimbatore Next’ organized by Confederation of Indian Industry on 12.09.2022. The program discussed the plan drafted by CII that help to make Coimbatore visible, vibrant, and attractive to skilled human resource and conglomerates across industrial vertical.





# SOM| FDP ON BUSINESS ANALYTICS – CONCEPTS & APPLICATIONS



Dr.P.PonMeenakshi, Professor and Head, Dr.A.SarasuKanan, Dr.C.Vinotha, Mr.R.Muthukrishnan and Mr.J.M.Antony Raj, Faculty members of SoM have participated in the five days Hybrid Faculty Development Program on “Business Analytics-Concepts and Application” conducted by S.A. Engineering College, Chennai.



## STUDENT CORNER



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## M.TECH. CSE | STUDENT ARTICLE

### Na Nose- A Developing Technology

Na Nose- A Developing Technology Cancer is a degenerative disease that results when cellular changes cause the uncontrolled growth and division of cells. Some types of cancer cause rapid cell growth leading to chronic cancer, while others cause cells to grow and divide at a slower rate leading to acute cancer. Certain forms of cancer result in visible growths called tumors, while others, such as leukemia, do not. Most of the body's cells have specific functions and fixed lifespans. While it may sound like a bad thing, cell death is part of a natural and beneficial phenomenon called apoptosis. A cell receives instructions to die so that the body can replace it with a newer cell that functions better. Cancerous cells lack the components that instruct them to stop dividing and to die. As a result, they build up in the body, using oxygen and nutrients that would usually nourish other cells. Cancerous cells can form tumors, impair the immune system and cause other changes that prevent the body from functioning regularly. Cancerous cells may appear in one area, then spread via the lymph nodes worsening one's health condition. Typical cancer diagnosis is done by lab test, CT scan, MRI, nuclear scan, bone scan, PET scan, ultrasound, X-Ray and biopsy. Professor Hossam Haick (Israel Institute of Technology) has developed a nano sensor array, so called Na-nose, which can detect volatile organic compounds of the exhaled breath by binding gases to specific chemiresistors coated with gold nanomaterials. The Na-nose has the advantages of early-stage detection – before the patient himself or herself is feeling the disease, which is usually not until the advanced stages and even further, if one can predict whether a healthy person is at high risk to get cancer, you can begin taking preventive measures also it is low cost, easy to use, good reproducibility and real-time detection for large scale clinical application. This is a project which is still a work in progress but if it works we can build a world that is cancer free.

**-K.B.VISHRUTHI II M.TECH CSE**





## ALUMNI CONNECT



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## SKCET | ALUMNI TALK



**Kuniamuthur, Tamil Nadu, India**  
WXP4+JF5, BK Pudur, Sugunapuram East,  
Kuniamuthur, Tamil Nadu 641008, India  
Lat 10.93675°

**SRI KRISHNA COLLEGE OF  
ENGINEERING AND TECHNOLOGY**  
**Kuniamuthur ,Coimbatore**

**DEPARTMENT OF MECHANICAL  
ENGINEERING  
IS ORGANIZING**

**A SEMINAR ON  
'ENTREPRENEURIAL EXPERIENCE-  
SERIES 4**

**RESOURCE PERSON**

**N.Vigneshwaran**

**Director**  
**SAN Precision alloys Pvt Ltd**  
**Coimbatore**

**Mr.N.Vigneshwaran**, notable alumnus of the **Mechanical Engineering** Department (2006-10) delivered a lecture on **“Entrepreneurial Experience”** to our Mechanical Engineering students on 09.09.2022. He gave an insight on the opportunities in aerospace and defense sectors and the Scope for Mechanical Engineers in foundry Industries. He also discussed on the Use of shape memory alloys in aerospace applications.



## SKCET | ALUMNI TALK



**Mr.MidhunShamesh**, prominent alumnus of **Mechanical Engineering** Department (2010-14 batch) delivered a lecture on **“Startup and Entrepreneurial Experience”** to the Pre-final year students on 16.8.2022. It was an eye-opening session on Conversion of idea to a startup. The initial hiccups and challenges faced during startup and alternative approaches to overcome the challenges.





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## CREATIVE CORNER



#skcet



Feedback



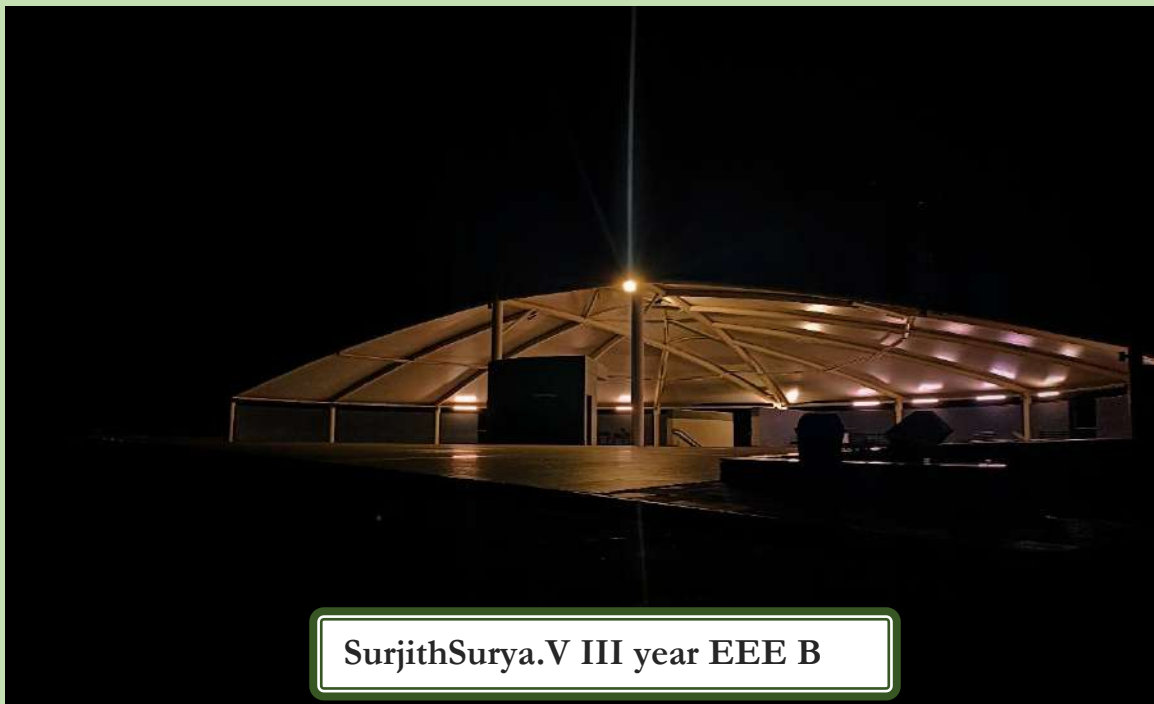
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## MCT | CAM CURVES



Mr. S. Madhankumar, AP/MCT

## EEE | CAM CURVES



SurjithSurya.V III year EEE B



## SKCET IN MEDIA



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## SKCET IN MEDIA

- தினத்தந்தி ஒவ்வொரு அங்குலமும் தங்க நகை போல அலங்கரிக்கப்படுகிறது -

# தீனத் தந்தி

DAILY



# தந்தி

THANTHI

கோவை (15-9-2022)  
பொதுமுகம்  
DIMBATORE

மலர் 80  
இசை 317  
VOL. 80  
ISSUE 317

**வெல்க தமிழ்**

சுபகிருது ஓ ஆவணி மீ 30 உ.  
ஹிஜிரி 1444 சபர் 18

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**மென்பொருள் வடிவமைப்பாளராக**

## கிருஷ்ணா கல்வி நிறுவன மாணவர்கள் சர்வதேச நிறுவனத்திற்கு தேர்வு

கோவை, செப்.15-

கோவை ஸ்ரீ கிருஷ்ணா என்ஜினீயரிங் மற்றும் தொழில்நுட்ப கல்லூரி முதல்வர் ஜேனட் வெளியிட்டுள்ள செய்தி குறிப்பில் கூறப்பட்டு உள்ளதாவது:-

கோவையில் உள்ள ஸ்ரீ கிருஷ்ணா கல்வி நிறுவனங்களில் படிக்கும் மாணவர்கள் ஹேக்கத்தான், டார்க்கத்தான், தேசிய கைத்தறி நெசவு தின போட்டிகள் உள்ளிட்ட போட்டிகளில் பங்கேற்று சாதனை படைத்து வருகின்றனர். மேலும் தேசிய மற்றும் மாநில அளவிலான பல்வேறு போட்டிகளில் பங்கேற்று விருதுகள், பதக்கங்கள், பட்டங்களை பெற்று வருகின்றனர். இந்த நிலையில் இந்த கல்வி நிறுவனத்தில் பயிலும் 12 மாணவர்கள் சர்வதேச நிறுவனத்திற்கு மென்பொருள் (சாப்ட்வேர்) வடிவமைப்பாளராக தேர்வு செய்யப்பட்டு உள்ளனர். இவர்களுக்கு ஆண்டிற்கு ரூ.44 லட்சம் ஊதியமும், பணி பயிற்சி காலத்தில் மாதம் ரூ.80 ஆயிரம் சம்பளமாக வழங்கப்பட உள்ளது. இதன்படி 3-ம் ஆண்டு கணினி அறிவியல் மற்றும் பொறியியல் துறை மாணவர்கள் ஜெபீகன் ராஜ், மேனகா, மதிவாணன், மணீஷ், ஸ்ரீனிவாஸ் மற்றும் 3-ம் ஆண்டு தகவல் தொழில்நுட்ப துறையில் இருந்து ஜலகண்டேஷ்வர், முகில், நவீன், பொன்தினேஷ்குமார், தஸ்லிமா ஷிரின், விகாஸ், கார்த்திகேயன் ஆகியோர் தேர்வு செய்யப்பட்டு உள்ளனர். இவர்களில் 8 பேர் குனியமுத்தூர் கிருஷ்ணா என்ஜினீயரிங் மற்றும் தொழில்நுட்ப கல்லூரியை சேர்ந்தவர்கள், 4 பேர் கோவைப்பூர் கிருஷ்ணா தொழில்நுட்ப கல்லூரியை சேர்ந்தவர்கள். நிபுணத்துவம் வாய்ந்த பயிற்சி, கல்லூரியின் சர்வதேச தரத்திலான உள்கட்டமைப்பு வசதிகள் உள்ளிட்டவற்றால் இந்த மாணவர்கள் தொடர்ச்சியாக சர்வதேச நிறுவனத்திற்கு தேர்வு செய்யப்படுகின்றனர். இவ்வாறு அதில் கூறப்பட்டு உள்ளது.

## SKCET IN MEDIA

### Sri Krishna Engineering College got placed in Amazon

Coimbatore: Sri Krishna Institutions is elated to share the news that 8 students from Sri College of Engineering and Technology and 4 students from Sri Krishna College of Technology have been offered the Software Development Engineer (SDE) role in the prestigious Amazon India, resulting in a smashing total of 12 offers with 44 Lakhs per annum. Pursuing their third year in Sri Krishna Institutions, Jeba Regan Raj R, Menaga M, Madhivadhanan B R, Manish P and Srinivas R from department of Computer Science and Engineering, and Jalagandeswer R, Muhil T, Naveen G, Pon Dhinesh Kumar R, Thaslima Shirin R, Vikkash S and Karthikeyan S from the department of Information and Technology are the 12 chosen SDE role candidates. The Institution is delighted to witness a good number of SKCETians making their way into the Tech Giant- Amazon. It is also worth noting that this is the first time Amazon has offered such a large number (12) of Software Development Engineer (SDE) role offers at SKCET and our students have made their mark yet again by claiming stupendous offers in Amazon. Smt.S.Malarvizhi, Chairperson and Managing Trustee, Sri Krishna Institutions, congratulated the 12 students for their relentless effort in edifying their skills and consciously starting their professional odyssey. The Principal, Dr.J. Janet, also appreciated the students for their stellar placement offers and congratulated the Placement team and Heads of the departments for their ceaseless motivation and efforts.

தமிழ்

# முரசு

www.tamilmurasu.org நம்பர் 1 மாலை நாளிதழ் RNI Regn.No. TANTAM/200

ஸ்ரீ கிருஷ்ணா கல்வி நிறுவனங்களில் பயிலும் மாணவர்கள் அமேசான் நிறுவன மென்பொருள் வடிவமைப்பாளர்களாக தேர்வு

கோவை, செப்.13- ஜலகண்டேஷ்வர், முகில், கோவை ஸ்ரீ கிருஷ்ணா நவீன், பொன்தினேஷ்கு கல்வி நிறுவனங்களில் பயி லும் மாணவர்கள் தேசிய, மார், தஸ்லிமா ஷரின், பிராந்திய மற்றும் மாநில விகாஸ், கார்த்திகேயன் அள விலான பல்வேறு ஆகியோர் அமேசான் நிறு வனத்தில் மென்பொருள் போட்டிகளில் விருதுக வடிவமைப்பாளர்களாக னையும், பதக்கங்களையும் தேர்வு செய்யப்பட்டுள்ள பட்டங்களையும் குவித்து னர்.

இவர்கள் வருடத் திற்கு ரூ.44 லட்சம் ஊதிய மகுடமாக இக் கல்வி நிறுவ மும் பயிற்சி காலத்தில் னங்களில் பயிலும் ஜெபர் மாதத்திற்கு ரூ.80 ஆயி கன் ராஜ், மேனகா, மதிவா ரம் ஊதியமாக பெறு ணன், மணீஷ், ஸ்ரீனிவாஸ், வார்கள்.





## SKCET IN MEDIA



**COVAI  
CHRONICLE**

NEWS UPDATE




COVAI CHRONICLE

**12 Students from Sri Krishna Engineering College  
got placed in Amazon for an annual package of 44 Lakhs**

8 students from Sri College of Engineering and Technology and 4 students from Sri Krishna College of Technology got placed as Software Development Engineer (SDE) role in the prestigious Amazon India, with 44 LPA package. Smt.S.Malarvizhi, Chairperson and Managing Trustee, SKI, congratulated the students for their relentless effort in edifying their skills and consciously starting their professional odyssey.

Follow us on: @covaichronicle   




**அமேசான் நிறுவனத்தில் அதிக  
ஊதியத்தில் தேர்வு செய்யப்பட்ட ஸ்ரீ  
கிருஷ்ணா கல்லூரி மாணவர்கள்..!**

அமேசான் நிறுவனத்தில் மென்பொருள் வடிவமைப்பாளர்களாக பணியாற்ற தேர்வு செய்யப்பட்டுள்ள 12 மாணவர்களின் ஆண்டு வருமானம் ரூ.44 லட்சம் என்றும், பயிற்சியின் போது மாத வருமானமாக ரூ.80,000 வரை பெறுவார்கள் என தெரிவிக்கப்பட்டுள்ளது.




**12 Students from Sri Krishna Institutions  
bag placement in Amazon with annual  
packages of Rs.44 lakhs**

It is also worth noting that this is the first time Amazon has offered such a large number of Software Development Engineer (SDE) roles at SKCET.



## SKCET IN MEDIA



ஸ்ரீ கிருஷ்ணா கல்வி நிறுவனங்களில் பயிலும் மாணவர்கள்

### அமேசான் நிறுவன மென்பொருள் வடிவமைப்பாளர்களாக தேர்வு

கோவை, செப்.13: கோவை ஸ்ரீ கிருஷ்ணா கல்வி நிறுவனங்களில் பயிலும் மாணவர்கள் தேசிய, பிராந்திய மற்றும் மாநில அளவிலான பல்வேறு போட்டிகளில் விருதுகளையும், பதக்கங்களையும் பட்டங்களையும் குவித்து வருகின்றனர்.

இந்த சாதனைகளின் மகுடமாக இக் கல்வி நிறுவனங்களில் பயிலும் ஜெபரீகன் ராஜ், மேனகா, மதிவாணன், மணீஷ், ஸ்ரீனிவாஸ், ஐலகண்டேஷ்வர், முகில், நவீன், பொன்தினேஷ்குமார், தஸ்லிமா ஷரீன், விகாஸ், கார்த்திகேயன் ஆகியோர் அமேசான் நிறுவனத்தில் மென்பொருள் வடிவமைப்பாளர்களாக தேர்வு செய்யப்பட்டுள்ளனர். இவர்கள் வருடத்திற்கு ரூ.44 லட்சம் ஊதியமும் பயிற்சி காலத்தில் மாதத்திற்கு ரூ.80 ஆயிரம் ஊதியமாக பெறுவார்கள்.



### கிருஷ்ணா மாணவர்களுக்கு அமேசானில் அபார வேலை

கோவை, செப்.13-

குனியமுத்தூரில் உள்ள ஸ்ரீ கிருஷ்ணா பொறியியல் மற்றும் தொழில்நுட்ப கல்லூரியில் 8 மாணவர்களும், கோவைப்புதூரில் உள்ள ஸ்ரீ கிருஷ்ணா தொழில்நுட்ப கல்லூரியில் 4 மாணவர்களும், அமேசான் நிறுவனத்தால் மென்பொருள் வடிவமைப்பாளர்களாக, தேர்வு செய்யப்பட்டுள்ளனர்.

ஒரு ஆண்டுக்கு ரூ.44 லட்சம் ஊதியம் பெறும் இம்மாணவர்கள், பயிற்சி காலத்தில் மாதம் ரூ.80 ஆயிரம் ஊதியம் பெற உள்ளனர்.

கல்லூரி நிர்வாகம் இத்தகவலை தெரிவித்துள்ளது.



## 12 students to do internship at Amazon

Eight students from Sri Krishna College of Engineering and Technology and four students from Sri Krishna College of Technology have been offered an opportunity to do internship at Amazon India, the online retail giant. Upon successful completion of the internship, the students will be offered a full-time job with an annual package of ₹44 lakh each. Each student will receive a stipend of ₹80,000/month during the internship period.

# M.TECH. CSE | UPCOMING EVENTS



**Sri Krishna College Of Engineering  
and Technology**



**Department Of M.Tech Computer  
Science And Engineering**  
In association with  
**FORTUNE CYBERNAUTS CLUB**  
Organizes

## **CODE UTSAV 2022**

S.SREERAJ AP/M.Tech  
Ph no : 9047522852  
**COORDINATOR**

  
<https://bit.ly/3RYZKzx>

Dr.P.KAVITHA RANI  
**HOD**



Venue  
**NICHOLAS  
LAB**

<b>WEDNESDAY</b>	<b>21/09/2022</b>	<b>9.30 AM</b>
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# M.TECH. CSE | UPCOMING EVENTS

SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

An Autonomous institution, Affiliated to Anna University - Chennai



Accredited by NAAC with 'A' Grade  
Kuniamuthur, Coimbatore - 641008.



Department of M. Tech  
Computer Science and Engineering

*Cordially invites you for the association  
inauguration*



*Guest of Honour*  
*Mr. Prasanna Sree Hari Vivekanandan*  
*Solution Architect, HP*

*In presence of*  
*Dr. P Kavitha Rani*  
*HoD M. Tech CSE*

*On 19/09/2022*  
*At*  
*Convention Center*  
*(2.30 pm - 4. 30pm)*

*Presided by*  
*Dr. J Janet*  
*Principal*