

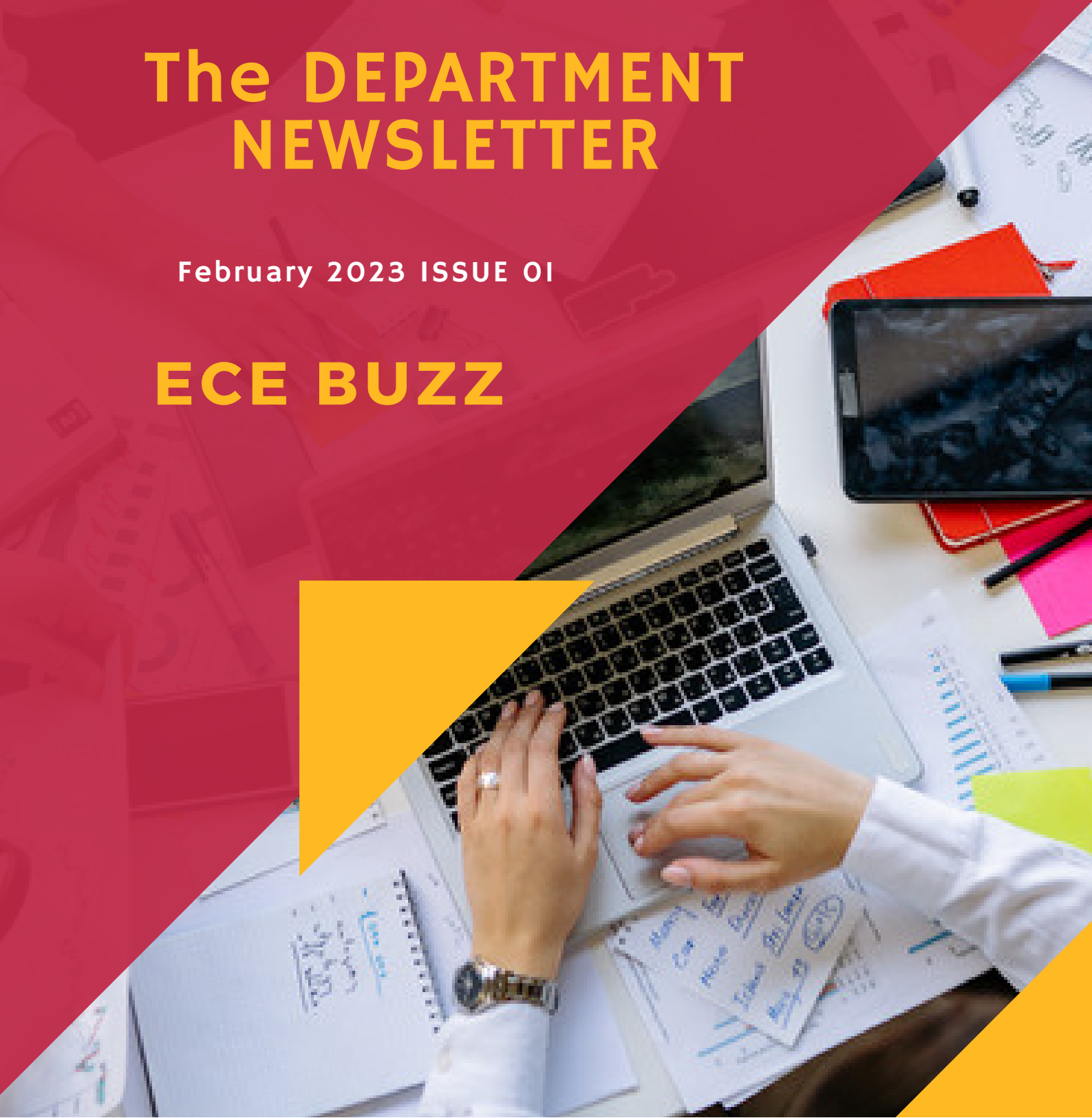


(Approved by AICTE, Affiliated to Anna University, Chennai)  
No.27, Thayanur ,Dindigul Road, Trichy 620009  
<https://care.ac.in/engineering/>

# The DEPARTMENT NEWSLETTER

February 2023 ISSUE 01

## ECE BUZZ



# VISION & MISSION

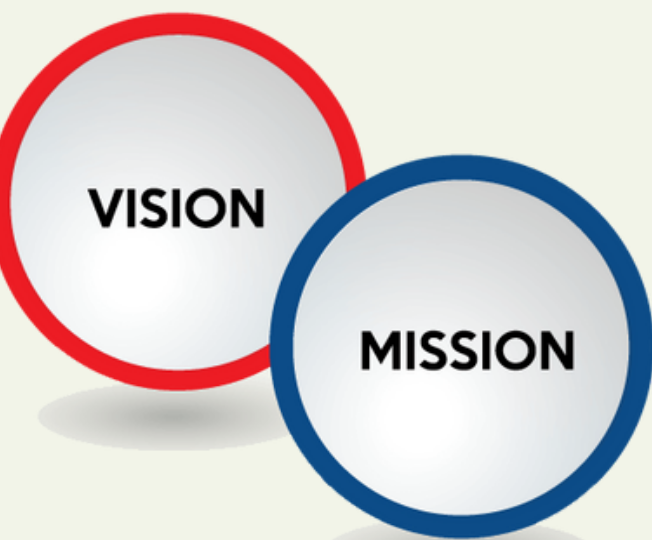
## VISION OF THE INSTITUTION

**Transform lives through Education and Research**



## MISSION OF THE INSTITUTION

- **CARE is dedicated to impart quality education to students through critical thinking, creativity, leadership and the spirit of entrepreneurship.**
- **The organization is committed to foster research and development in a conducive learning environment.**
- **At CARE, we develop in each member, the ability and passion to work effectively for the betterment of humanity with cultural awareness, high ethical and moral values and a sense of social responsibility**



# VISION & MISSION

## DEPARTMENT VISION

- To become a centre of excellence in training, research, consultancy and innovation in the field of Electronics and Communication Engineering.

## DEPARTMENT MISSION

- To impart value-based technical education with a strong foundation on analytical thinking, design, application and soft skills-oriented curriculum to meet national and global challenges.
- To foster critical thinking and creativity through research and experimentation=
- To prepare our students to be a lifetime professional with creativity and leadership



# Five day workshop on Automation using IoT

A Five day workshop on Automation Using IoT”, Organized by Department of ECE from 25.7.2022 to 29.7.2022. This Five Days work shop was conducted for Second and third year ECE students  
The workshop was started on 25.7.2022 at 9.30 AM, the First session was handled by Ms. R.Vanitha, Assistant Professor/ ECE, CARE College of Engineering, followed by the next session was handled by Ms.R.Deepalakshmi, Assistant Professor/ ECE, CARE College of Engineering. Afternoon session was handled by Ms.M.Shiva Shankari, Assistant Professor/ ECE, CARE College of Engineering.

The second day session was handled by Mohamed Nizarudeen M & Ms.V.Gomathi, From department of CSE. For the Third day session we invited Mr. Baranidharan.G , Barun, IT solution , Trichy, gave a hands on session on automation of sensor using servomotor.

Fourth and Fifth day we invited our distinguished Alumni Ms. B.Janani, TCS, Chennai; she guided our student to do Hands on session on Basics and working of Arduino and it's Application on 29.7.2022. Also students were assigned with projects based Arduino.

At the end of the day, Student done projects on Home automation using Ardinuo and Obstacle AVOIDER. It was great learning experience for our students and also this workshop motivated them to do the projects on their own



**CARE** COLLEGE OF ENGINEERING

Department of Electronics and Communication Engineering organizes

**A FIVE DAY WORKSHOP ON AUTOMATION USING INTERNET OF THINGS (25.7.2022-29.7.2022)**

Common to all Branches

Limited seats only

Registration link <https://bit.ly/3AsxuzU>

Preregistration is must

No.27, Thayanur ,Dindigul Road, Trichy 620009  
<https://care.ac.in/engineering/>



FEBRUARY 2023

**CARE**  
COLLEGE OF ENGINEERING

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Inauguration of  
**A FIVE DAY SHORT TERM  
TRAINING PROGRAM  
(STTP)**

**ON  
ANTENNA DESIGN:  
FUTURE TRENDS AND  
NEW APPLICATIONS**

(Virtual mode)  
(August 1st - August 5th,  
2022)

In Association with  
**IEEE CARE STUDENT  
BRANCH - MADRAS SECTION**



Department of Electronics  
&  
Communication  
Engineering



Chief Guest

Dr.S.Shanthi, M.E, Ph.D  
Director  
CARE College of Engineering  
Trichy

**01 August 2022  
@ 10.30 AM**

#### Contact Us

No.27, Thayanur ,Dindigul Road, Trichy 620009  
<https://care.ac.in/engineering/>

## SHORT TERM TRAINING PROGRAMME ON ANTENNA DESIGN: FUTURE TRENDS AND NEW APPLICATIONS

Department of Electronics & Communication engineering of CARE College of Engineering in association with IEEE CARE student branch organized A Five day STTP on "Antenna Design : Future Trends and New Applications" in online mode from 01.08.2022 to 05.08.2022.

The STTP focused on the recent research issues, challenges, Future Trends and new applications in antenna design. The programme started on August 01, 2022 by 10.30 am with the welcome address by Ms.Raja Rajeshwari of IV ECE Student. The dignitaries during the session were Dr.S.Shanthi, Principal, CARE College of Engineering, Dr.S.Raghavan, NIT, Trichy felicitated the function by giving the opening remarks and the applications in the real world.

The Morning session was handled by Dr.S.Esther Florence, Associate Professor, SSN College of Engineering, Chennai on "Wearable Antennas for Telemedicine applications" and explained the challenges and research issues in it. CST microwave studio hands on session were given to participants in the afternoon session.

Second day session was on "Modeling of 5G antenna with wideband or Dual band functionalities" handled by Ms.V.Roja, PMRF Scholar, National Institute of Technology, Trichy. She explained the concept of wideband and dual band functionalities and modeling of 5G antennas and shared her experiences in ISRO and SAMEER.

The third day FN session was by Mr. T. JAYANANDAN M.E., (Ph.D), Assistant Professor, VIT, Vellore, Founder/CEO, Tesla Minds, Chennai on the topic of "Antennas for future Wireless Applications". He explained the research trends in antenna design and the AN session was a demonstration of the CST tool for antenna design. He took one Research paper and demonstrated the design and working of the antenna. The session was very useful from a research point of view.

The fourth day starts with the presentation of Dr.S.Imaculate Rosaline, Assistant Professor, Ramaiah Institute of Technology, Bengaluru on the topic of "Microstrip based Meta material Inspired antennas". The session was very useful and many research scholars were impressed by the session.

The Final day starts with the presentation by Dr. P.Geetha, Associate Professor, P.R Engineering College, Thanjavur, on the topic of "Antennas for Radar, Space and Military Applications".

We received registrations from Haryana, Odisha, Andhra Pradesh, Telangana, Madya Pradesh, Karnataka, Gujarat and West Bengal.

# MOU WITH IPCS GLOBAL SOLUTIONS PVT. LTD

CARE College of Engineering, Trichy and IPCS Global Solutions Pvt. Ltd, signed a Memorandum of Understanding (MoU) on 26/08/22 for collaborative initiatives in the department of Electronics and Communication Engineering.

The MoU will pave the way for joint projects, Seminars, Workshops, training of faculty members of concerns, Internships and Industrial visits for students.

Dr.S.Shanthi, Principal CARE college of Engineering and Mrs.S.Pon Suganthi, Branch Head, IPCS Global, Trichy signed MoU in presence of Dr.A.Pasumpon Pandian, Dean( Research & Development), Dr.J.Jeyarani, HoD/ECE, and Mrs.R.Vanitha,Assistant Professor/ECE and all the faculty members of ECE.

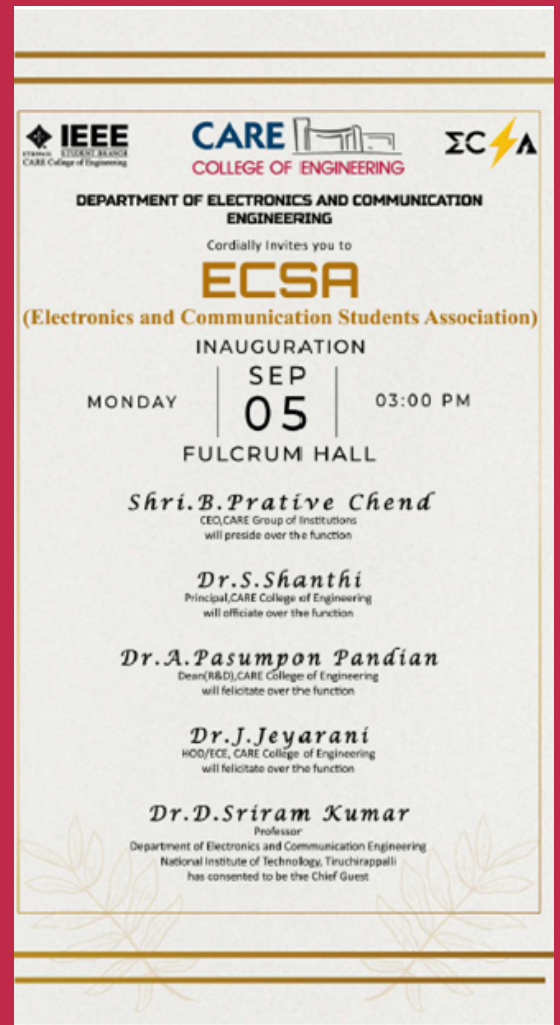


The poster is for a Memorandum of Understanding (MoU) signing ceremony. At the top, it features the logos for CARE College of Engineering and IPCS Global. The text reads: 'CARE COLLEGE OF ENGINEERING & IPCS GLOBAL SOLUTIONS (Global View Automation & Technologies) cordially invites you to the MEMORANDUM OF UNDERSTANDING SIGNING CEREMONY'. The date is '26 August 2022'. The principal, Dr. S. SHANTHI, and branch head, Mrs. NIRMALA MANIKANDAN, are listed. The venue is CARE College of Engineering and the time is 11 AM. Convener Dr. J. JEYARANI and Co-ordinator Mrs. R. VANITHA are also mentioned. A footer contains the address: #27, Thayanur, Trichy-620 009.



# ECE Inauguration

The formal inauguration of ECE student Association 2022 'ECSA' was held on September 05, 2022, at 03.30 p.m. by Dr.D.Sriram Kumar, Professor/ECE, NIT, Trichy.



A small video regarding the activities of the association held in the previous year was revealed during the program. Newly elected office bearers were introduced by Dr. J. Jeyarani, HoD/ECE on this occasion. Newly elected president Ms. Rajarajewari presented the plan action for this academic year and gave a detailed description of all the events that ECSA has planned to conduct this year such as the National Symposium, Mini project expo and other technical activities.

# Techno Frenzy V5.0

The Department of ECE conducted “Techno Frenzy V5.0” a Department level contest with non technical events. This year Techno Frenzy V5.0 received an overwhelming response in all its events and was a magnificent success.

The word “Techno Frenzy” comes from uncontrolled and excited behavior or emotion that is sometimes called over involvement in activities. “Techno FrenzyV5.0” is organized with zero budget, conducted by our department students alone.

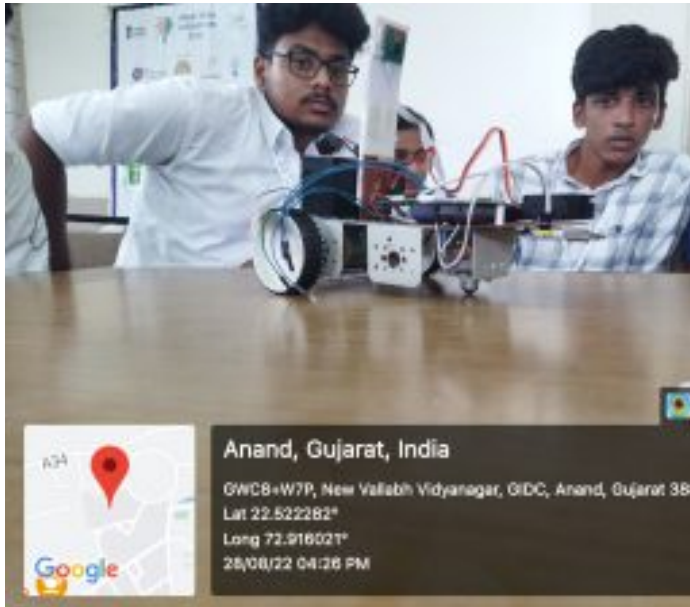
The motive of this event is to develop various skills of students in Co-Curricular activities and to expose them to the current trends in the technical and professional fields.





# Smart India Hackathon 2022

## – Participation in Finale



For SIH2022, two projects were submitted from the Department of ECE, One problem statement is “Pattern recognition algorithm to identify marine animals” under the ministry of National Institute Of Ocean Technology, Ministry Of Earth Sciences and another problem statement is “Identification and location of voids in earthquake scenario” under the ministry of National Disaster Response Force (NDRF) under the Guidance of Mrs.R.Deepalakshmi / AP-ECE.



SIH2022 Hardware edition dates and Nodal centres were announced by SIH team through Team Leaders mail. Hardware Edition dates are from 25.08.2022 to 29.08.2022 (05 days)

**SMART INDIA HACKATHON 2022**

**Hardware Edition**

**GRAND FINALE 2022**  
August 25 - 29

**Team Iconic**  
CARE COLLEGE OF ENGINEERING  
TAMILNADU,  
TRICHY

Org. Name	PS ID
National Disaster Response Force (NDRF)	GS901

**TEAM MEMBERS**

- Ms. SHIFANA BEGUM.K
- Mr. KANCHU LOKESH
- Mr. GOKUL R
- Mr. SAMRUTH SRIRAM.D
- Mr. REEGAN RUSOULL
- Ms. RAJA RAJESWARI.S

**TEAM MENTORS**

- Mrs. DEEPALAKSHMI.R
- Mr. PRADEEPARAJAN.T

[www.sih.gov.in](http://www.sih.gov.in)

# ECE – Industrial Visit to Amul Chocolate Factory



Industrial Visit was arranged in Amul Chocolate Factory, Anand City, Gujarat on 30.08.2022 for the II, III & IV ECE Students. Four Students and one Faculty Visited the factory to understand the concepts of Robotics, Automatic Working of Machines in Realtime Systems, RTOS concepts, Networking of Systems

The following students and faculties were visited the chocolate unit.

1. R.Deepalakshmi (AP-ECE)
2. S.Raja Rajeswari (IV ECE)
3. Kanchu Lokesh (III ECE)
4. D.Samruth Sriram (II ECE)
5. L.Reegan Rusoul (II ECE)

# INDUSTRIAL VISIT TO AAVIN DAIRY



**Experiential education is the best form of learning. CARE College of Engineering, Trichy always encourages our students to have real time experience by visiting industries for practical learning. On that node, our students visited Tiruchirapalli District Co-operative Milk Producers Union Ltd.,(Aavin Dairy) plant to get practical experience in the dairy production and Waste Water treatment Process carried over in the plant. A total strength of 43 students and 11 faculty members from the Department of ECE visited the dairy on 22nd of September, 2022.**

# MY STORY-MOTIVATIONAL SESSION BY SUCCESSFUL INNOVATORS



**This Programme was organized by Institution Innovation Council of CARE College of Engineering K.Saravanan AP/AIDS (IIC President) delivered the welcome address. Dr.D.R.Rajkumar presided over the function and encouraged the students about the Innovation in current technology. P.Dinesh Kumar introduced the Chief Guest “Mr.P.Prasanna” and he gave confidence to the participants and brief about the current and future technology and Motivated them towards the future technologies need and Innovators Opportunities available in the State and Central Government. Feedback form was collected from all the participants.**

## MY STORY - MOTIVATIONAL SESSION BY SUCCESSFUL ENTREPRENEUR / START UP FOUNDER



This Programme was organized by Institutions Innovation Council of Care College Of Engineering and Department of Electronics and Communication Engineering .This was conducted for the IIIrd and IV year students belonging to various departments at Fulcrum Hall on 02.11.2022. This event was coordinated by Ms.R.Elavarasi AP/ECE .Mrs.Archana Ganapathy, Entrepreneur presided over the function. Mrs.Archana Ganapathy delivered an interesting session on entrepreneurship and its challenges. She shared her experiences in this field. Further, she told the audience that whole stepping into start-ups, they will definitely face many challenges. But if they move on with determination and hard work, they will reap success. Queries were answered by the guest patiently. Students found the session useful. Finally, vote of thanks was given by R.Elavarasi AP/ECE.



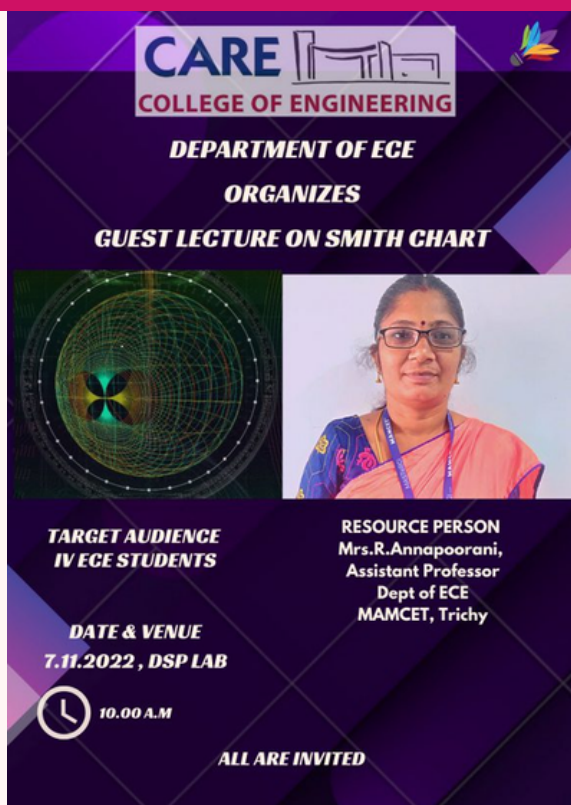
# Guest Lecture



## Online Guest Lecture on the occasion of Women's Entrepreneurship Day on 19 November 2022


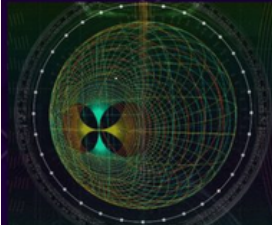
Department of Electronics and Communication Engineering and Women empowerment cell jointly organized an online guest lecture on the occasion of Women's Entrepreneurship Day on 19th November 2022 . Mrs.Shyamala Rajkumar, Founder of "Masala Twist", Trichy was the chief guest.

The Chief Guest, Mrs. Shyamala Rajkumar shared her entrepreneurial journey with the students. She said that only with self motivation she was able to reach the level of success.



**CARE**  
COLLEGE OF ENGINEERING

DEPARTMENT OF ECE  
ORGANIZES  
GUEST LECTURE ON SMITH CHART



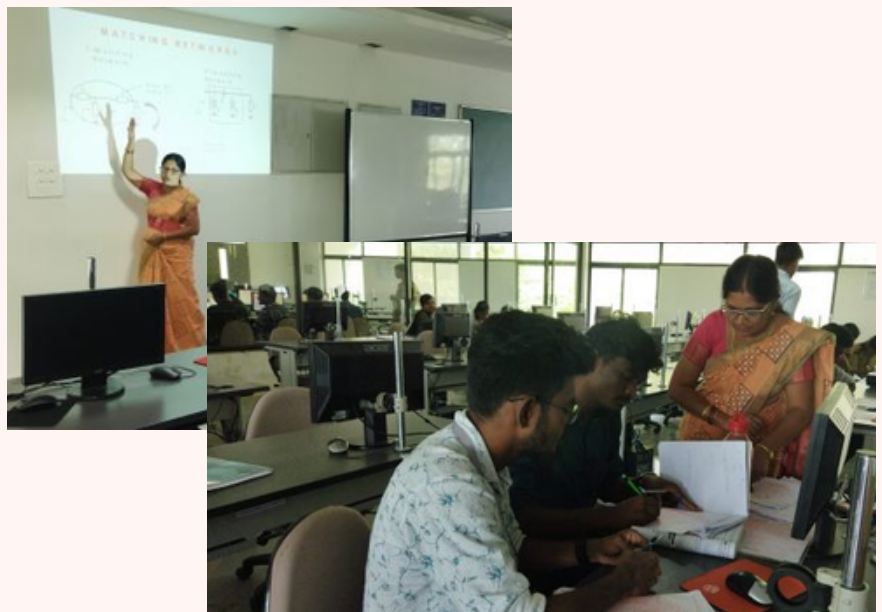
**TARGET AUDIENCE**  
IV ECE STUDENTS

**RESOURCE PERSON**  
Mrs.R.Annapoorani,  
Assistant Professor  
Dept of ECE  
MAMCET, Trichy

**DATE & VENUE**  
7.11.2022 , DSP LAB

10.00 A.M

ALL ARE INVITED



## Guest Lecture on Stub Matching using Smith Chart

Guest lecture for the Final year ECE Students to understand the topic of Stub matching using smith chart in EC 8701- Antennas and Microwave Engineering. In unit-5 the above topic was planned to handle through guest lecture to make the students better understanding. The guest lecture was conducted on 7.11.2022 at 10.00 a.m in DSP Lab with invited speaker Mrs.R.Annapoorani, Assistant Professor, Department of ECE, from MAMCET, Trichy. Dr.J.Jeyarani, HOD\ECE presided over the welcome address and the lecture was conducted successfully and ended with a thanks note by Mrs.M.Shiva Shankari, AP\ECE.

# MEMORANDUM OF UNDERSTANDING (MOU) WITH KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION

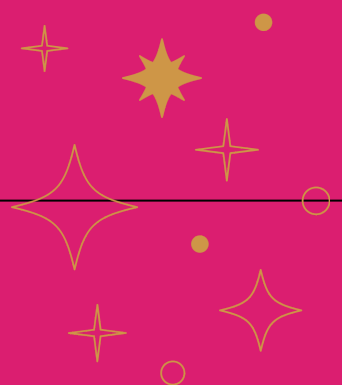


CARE College of Engineering, Trichy(CARE) and Kalasalingam Academy of Research and Education(KARE) signed a Memorandum of Understanding (MoU) on 23/11/22 for collaborative initiatives with the Institution.



Dr.S.Shanthi, Principal CARE college of Engineering and Dr. V.Vasudevan, Registrar, Kalasalingam Academy of Research and Education(KARE) signed MoU in presence of Dr.A.Pasumpon Pandian, Dean( Research & Development), Dr.J.Jeyarani, HoD/ECE and Mrs.R.Vanitha, Assistant Professor/ECE and all the faculty members of ECE.

The MoU will pave the way for joint research, Training, internship programme, Faculty member & Student exchange Programme.



## WEBINAR ON “MICROPROCESSORS 8086 & MICROCONTROLLERS 8051



**CARE**  
COLLEGE OF ENGINEERING

ECE Department

Online Guest Lecture

Resource Person  
**Mr.G.Parameswaran**  
Assistant Professor/ECE  
SRM TRP Engineering College,  
Trichy



Time : 3.00PM  
Date 18.10.2022

Topic " Microprocessors & Microcontrollers

Participants  
III CSE Students

All are Cordially Invited

Made with Canva.com



Department of ECE organized a Webinar on “Microprocessors 8086 & Microcontrollers 8051”. Resource Person Mr.G.Parameswaran , Assistant Professor/ECE, SRM TRP Engineering College, Trichy delivered a wonderful lecture on Assembly language coding of 8086 for III year CSE students. Mrs. J.S.Jenin, AP/ECE extended her thanks and concluded the Webinar.



**CARE**  
COLLEGE OF ENGINEERING

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Department of Electronics & Communication Engineering organises

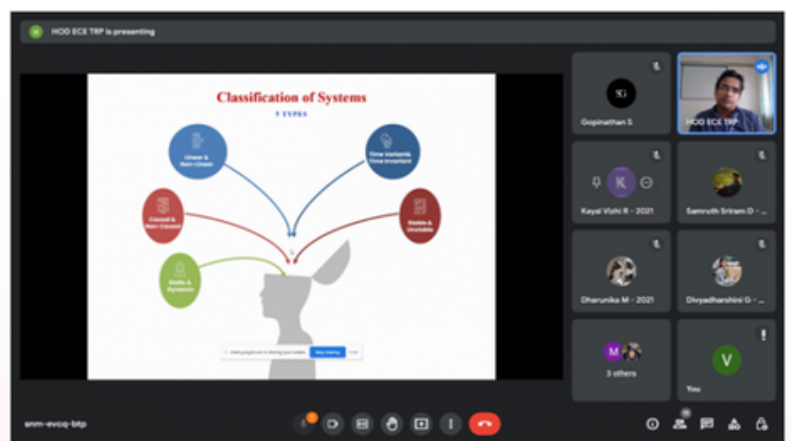
Guest Lecture  
on  
**Signals and System**



Chief Guest  
**Dr. RAMASUBRAMANIAN B**  
ASSOCIATE PROFESSOR &  
HoD/ECE  
SRM TRP Engineering College, Trichy

16 November 2022 @ 2.30 PM

No.27, Thayanur ,Dindigul Road, Trichy 620009  
<https://care.ac.in/engineering/>



Department of Electronics and Communication Engineering organized a Guest lecture on “Signals and Systems” on 16th November 2022. Resource person Dr.Ramasubramanian, Associate Professor, HoD/ECE, SRM TRP Engineering College, Trichy. He had a strong knowledge on Signals and Systems and handled the paper for more than 10 year. He showed more interest in interacting with the student community. He gave brief content on objectives and Important topics for exam point of view. It was very useful for the student.



The Department of ECE organized a Workshop on “Industrial Automation using Embedded Systems” on 08.10.2022. Dr. J.Jeyarani, Head of the ECE Department inaugurated the workshop and briefed about the current and future technology. After the introduction, Special Guest Mr.Alen, Project Engineer, IPCS Global Solution, Trichy delivered lecture on “Industrial Automation using Embedded Systems”. More Than 40 students attended the Workshop.

The workshop was initially started with the introduction to industries followed by its general classification into sectors.

Then continued with the introduction to automation in industries, impact of automation and current emphasis of developed automation in industries, followed by the main tools of automation which are, Artificial Neural Network(ANN), Distributed Control system(DCS), Human Machine Interface(HMI), Supervisory Control and Data Acquisition. Finally conclude how it will be helpful for the community. photographs.

The guest lecture was coordinated by Mrs. R.Vanitha, AP/ECE.



Guest lecture on “Embedded Systems – Industrial Application” on 14.10.2022 @ 2 PM, and it was coordinated by Mrs. R. Deepalakshmi, AP/ECE.

Mrs. R. Deepalakshmi, AP/ECE gave the welcome address and introduce the guest Ms. B.Janani, Assistant system Engineer, TCS , Chennai.

The aim of the guest lecture series is to equip students with the latest theories and practices in the Embedded Systems – Industrial Application. She gave a brief idea about how to design an embedded system by identifying the problems from day to day life. And also she explain what are the current project going on in Industries in embedded domain


**CARE** COLLEGE OF ENGINEERING  
 (Approved by AICTE, Affiliated to Anna University, Chennai)

**Department of Electronics & Communication Engineering**

In Collaboration with  
**IPCS Global Solutions, Trichy**

**Workshop on Industrial Automation Using Embedded Systems**

**Resource Person** Mr.Alen  
 Project Engineer  
 IPCS Global Solution, Trichy

 **8th October 2022 @ 2.30 PM**

Event Coordinator

**CARE** COLLEGE OF ENGINEERING  
 (Approved by AICTE ,Affiliated to Anna University,Chennai)

**Department of Electronics & Communication Engineering**

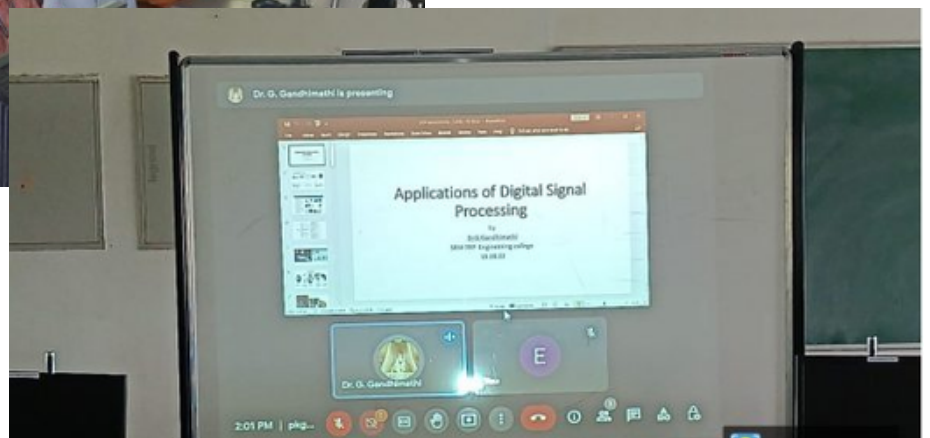


14 th October 2022 @2.00 PM

**Guest Lecture** on  
**Embedded systems - Industrial Applications**

**Janani Balasubramanian**  
 Assistant System Engineer  
 TATA CONSULTANCY SERVICES  
 (TCSL),Sipcot IT Park , Chennai

# GUEST LECTURE ON “REAL TIME APPLICATION ON DSP”



The Department of ECE organized a Guest lecture on “Real time Application on DSP ” on 19.10.2022 @ 2 PM , and it was coordinated by Dr. J.Jeyarani, Professor and Head of ECE.

Mrs. J.S.Jenin AP/ECE gave the welcome address and introduced the guest Ms. Gandhimathi, Assistant Professor, SRM TRP Engineering College. The guest lecture is planned to provide the knowledge towards the application oriented DSP. This is the content beyond the syllabus which will support self-learning and motivate for life-long learning for the student participants.

The important takeaway of the session was the students learnt about the practical aspects about DSP Architectures . The vote of thanks to the speaker was given by Dr. J.Jeyarani, Professor and Head of ECE.

**CARE** COLLEGE OF ENGINEERING  
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2, Thayanur, Trichy - 620009

Department of ECE

Guest Lecture  
On  
Real-Time Applications  
on DSP

Resource Person  
**Dr.G.Gandhimathi**  
Assistant Professor/ECE  
SRM-TRP Engineering College



Time  
2:00 PM

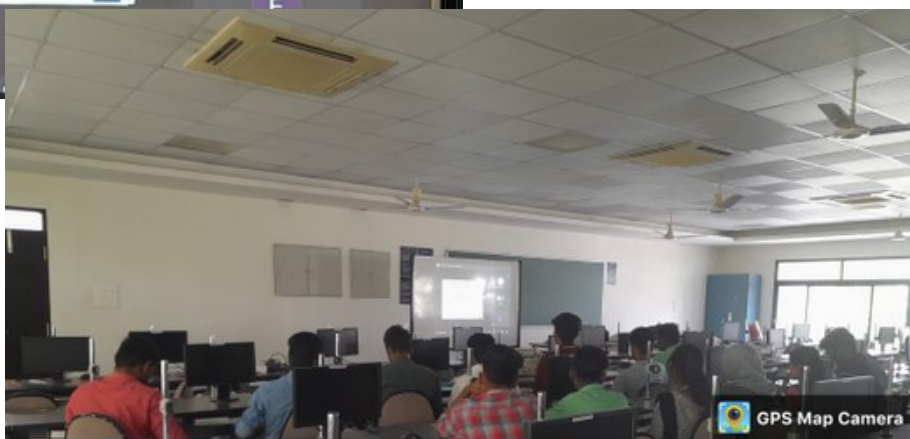
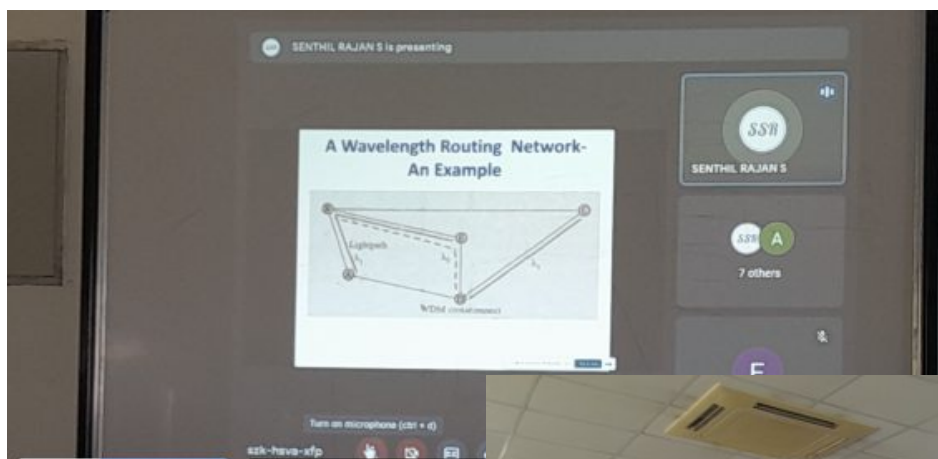
Venue  
DSP Lab

Date  
19.10.2022

# Guest lecture on “Optical Networks-SONET/SDH and Optical Measurement Techniques

The Department of ECE organized a Guest lecture on “Optical Networks-SONET/SDH and Optical Measurement Techniques” held on 17th October 2022. The Program was started with a warm welcome address given by S.Raja Rajeswari IV ECE.

The guest lecture pays the way to explore various ideas about optical fiber measurements and various coupling techniques. And also it helps the students to enrich the knowledge about optical communication systems and networks. The lecture ended with the vote of thanks given by Afrose Jamila III ECE.



# MOU WITH VI MICROSYSTEMS



**CARE College of Engineering, Trichy (CARE) and Vi microsystems Pvt. Ltd. signed a Memorandum of Understanding (MoU) on 13.01.2023 for collaborative initiatives with the Industry.**

**Vi Microsystems provides opportunities for opening up a host of new challenges for the students with mini projects, Industrial visit, Internship, Certification courses etc., which mould the students to the next level.**

**The MoU was signed in the presence of the following Dignitaries.**

- 1. Dr. S. Shanthi, M.E., Ph.D, Professor and Principal,**
- 2. Dr. J. Jeyarani M.E., Ph.D., Professor & Head**
- 3. Dr. A. Pasumpon Pandian, M.E., Ph.D., MIEEE, MIEI, MISTE, Professor and Dean (R&D)**
- 4. ECE Department Faculty**

# A FIVE DAYS WORKSHOP ON “AUTOMATION : IMPACT OF INTERNET OF THINGS”



The Department of ECE conducted the winter workshop of Academic Year 2022-23, entitled as “a Five Days Workshop on “Automation: Impact of Internet of Things” from 31.01.2023 to 03.02.2023. The Main stream and topics of the workshop were decided by subject experts in the field of IOT by considering student feedback from the previous summer workshop of AY 2021- 22.



Day 03 (01.02.2023) session was handled by Mr.Mohammed Nizarudeen of CSE department, the topic was C and Python language Programming in IOT softwares/devices. They learnt a lot about coding and programming that will be useful for the next handson session.

**CARE**  
COLLEGE OF ENGINEERING  
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27, Thangalur, Trichy - 620009

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
in  
Association with  
SIEMENS Centre of Excellence,  
NIT Trichy.

**JAN 30-FEB 3, 2023**  
9:00AM - 5:00PM

**FIVE DAYS WORKSHOP**  
ON  
**AUTOMATION: IMPACT  
OF INTERNET OF THINGS**

**NETWORKS LAB**  
CARE COLLEGE OF ENGINEERING

DISCUSSIONS  
AND INSIGHTS

EMBEDDED SYSTEM  
PROGRAMMING

PYTHON PROGRAMMING

INTERNET OF THINGS

THINKERCAD

CISCO PACKET TRACER

REGISTRATION  
FEES  
₹2000

Registration fee includes  
\* Registration kits, refreshment and lunch  
\* One day visit to Siemens Centre of Excellence, Trichy  
\* Certificate from Siemens Centre of Excellence, Trichy

Contact Person:  
Mrs.R.Deepalakshmi,AP/ECE  
(+91) 8344898019  
Maid id: rdeepalakshmi@care.ac.in

Google form link : <https://forms.gle/i8FWwa82xRiCoBjL7>

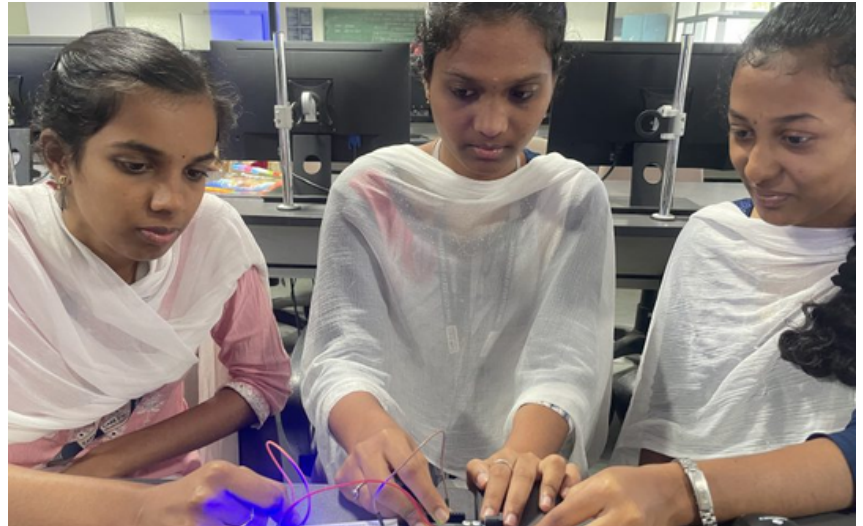
Day 01 (30.01.2023) started with the Inauguration and workshop introduction was given to students by Dr.J.Jeyarani, HoD of ECE, She explained about the importance of IOT in all the fields of Engineering. In Day 01 and Day 02, students did presentations about their interested topics/projects they want to do/learn in the Workshop.



# WORKSHOP ON “AUTOMATION: IMPACT OF INTERNET OF THINGS”



**Day 04 (02.02.2023)**  
Introduction to Arduino/ IOT was given by Mrs.R.Vanitha, Assistant Professor of ECE and followed by the introduction Mrs.R.Deepalakshmi, Assistant Professor of ECE gave the hands-on session of Arduino and IOT. The session was very useful and they did some basic examples and mini projects



**Day 05 (03.02.2023)** of the workshop ended with the Industrial visit in CoE in Manufacturing, NIT Trichy. On Day 05, the morning session was handled by the CoE in manufacturing technical persons. They explained a lot about ESP32 modules and the afternoon session was Industrial visit, they visited all the lab facilities in the CoE in Manufacturing.





# IETE Students Forum – Inauguration

The Department of Electronics and Communication Engineering of CARE College of Engineering formally inaugurated the 'IETE – The Institution of Electronics and Telecommunication Engineers Students Forum' on 31/01/23. Ms.Rajarajeswari, IV ECE welcomed the gathering.

Principal Dr. S. Shanthi addressed the gathering and spoke about how important Electronics and Communication Engineering plays a role in enhancing the interdisciplinary engineering branches. She insisted the students take active part in organizing various events through this professional society membership.

Dean Dr. A. Pasumpon Pandian felicitated the gathering and asked the students to get involved in all the activities organized by various societies.

The guest of honor for the event Mr. Muthukumar Ramalingam, Founder & CEO, Dextrasys & Hello leads, Trichy delivered a talk on 'Emerging trends in Electronics and Communication for better tomorrow' after the inaugural ceremony. He insisted the students drive events and get guidance.

The newly elected members of the IETE Student Forum were introduced by the ISF Coordinator Dr.J.Jeyarani, to the gathering and they promised to lead the students in the various activities throughout the year.

## The Institution of Electronics and Telecommunication Engineers (IETE) Student Forum

Chief Guest

**Muthukumar Ramalingam**

Founder, MD & CEO  
Dextrasys & Hello Leads

**Shri. B. Prative Chend**

CEO, CARE Group of Institutions  
will preside



# CARE College of Engineering

(Approved by AICTE, Affiliated to Anna University, Chennai)

Department of Electronics & Communication  
Engineering  
organises

Guest Lecture

on

## Block Chain Application beyond CYPTO Currencies

**Chief Guest**

**Mr. Navdeep Singh Sidana**  
Freelancer Trainer  
NSE Academy  
New Delhi

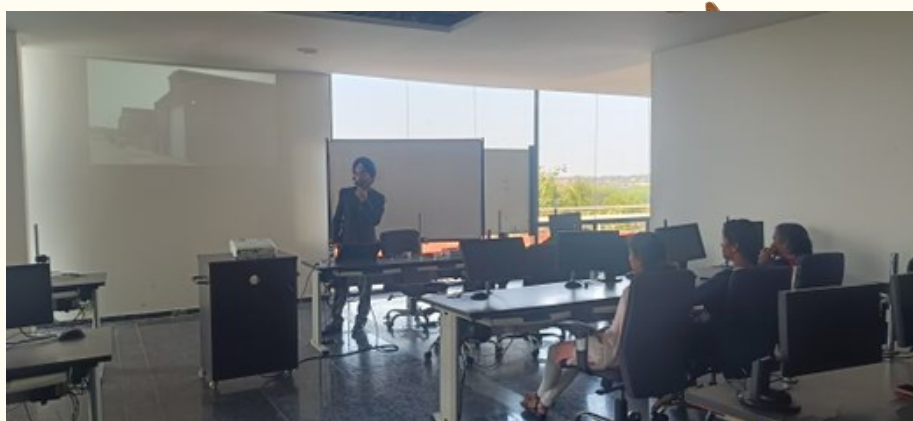


**17.02.2023 @ E - Library**

No.27, Thayanur ,Dindigul Road, Trichy 620009  
<https://care.ac.in/engineering/>

The department of ECE organized a Guest lecture on “Block Chain Application beyond CYPTO Currencies” on 17.02.2023 @ 3.30 PM, and it was coordinated by Dr. J. Jeyarani, Professor and Head of ECE. Mrs. Vanitha. R, AP/ECE gave the welcome address and introduced the guest Ms. M.Shiva Shankari, AP/ECE

## Block Chain Application beyond CYPTO Currencies



The guest lecture was planned to provide knowledge towards the Block chain. This was scheduled to impart knowledge on content beyond the syllabus which will support self-learning and motivate for life-long learning for the student participants.





COLLEGE OF ENGINEERING  
DEPARTMENT OF  
ELECTRONICS & COMMUNICATION  
ENGINEERING  
WELCOMES YOU ALL

JEE - JOINT ENTRANCE EXAMINATION

- > Formerly called All India Engineering Entrance Examination (AIEEE)
- > Exam conducted for admission to various engineering colleges
- > Constituted by two different Exams:
  - > JEE Main
  - > JEE Advanced

**FAUJET  
COMPANY**

The main objective of the community outreach programme is to meet the mission and vision of our college. The Department of ECE, CARE College of Engineering conducted an Outreach Program at Holy family RC Higher Secondary School, Ammapettai, on 26th November 2022.



Organizing

*Outreach Program*  
on  
*“Higher Education”*  
(for school students)

Saturday  
Date: 26/11/2022  
Time: 03:00 PM to 04:00PM

Venue:  
Holy Family R C Higher  
Secondary School  
Ammappettai, Trichy-620 009

Around 150 students from 11 & 12 std ( Science, Biology, Computer science), with the help of 3 student volunteers from III ECE, a few science teachers from the school. The duration of the programme was 4 hours from 3.00 pm 4.00 pm. The event was divided into two sections involving first section gave awareness about NEET and Second section gave awareness about JEE.



# Comprehensive Guidance of Resource Utilization



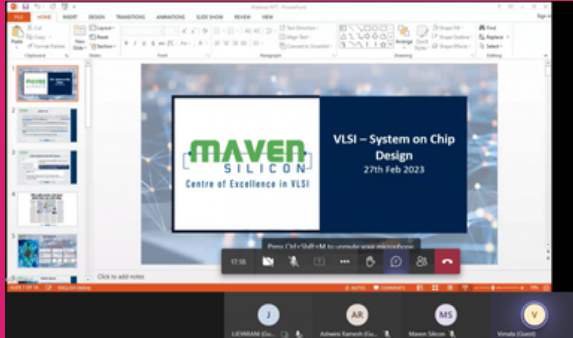
The Department of ECE organized a workshop “Comprehensive Guidance of Resource Utilization” on 25.02.2023 at 10 am, and it was coordinated by Dr.J.Jeyarani, Professor & HoD /ECE.

Dr.J.Jeyarani, Professor & HoD/ECE delivered the welcome address and introduced the guest Mr. Francis Rebello I, Assistant Professor/MBA.

The workshop was planned to provide the managerial aspects that are beyond the syllabus of Principles of Management MG8651 and the knowledge of the resources available in the college. He conducted various activities to understand the resources available in the college and the department and guided them to utilize them effectively. This workshop will support self-learning and motivate life-long learning for them. The vote of thanks to the speaker was given by Ms.R. Elavarasi AP/ECE.

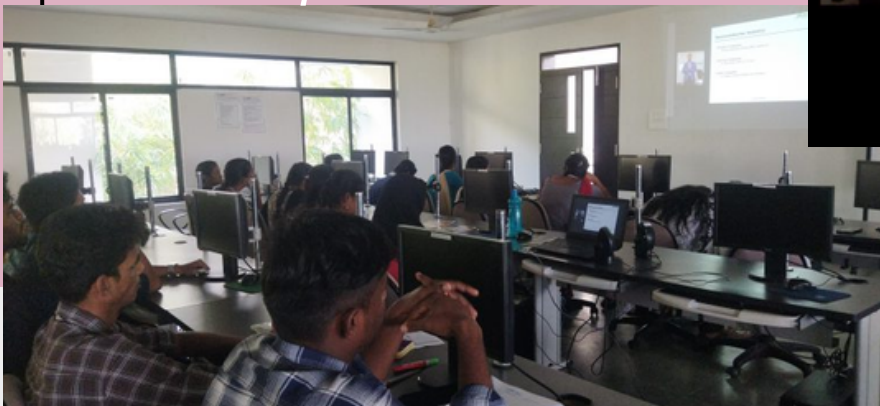


# VLSI SoC Design using Verilog HDL



The Department of Electronics & Communication Engineering, CARE college of engineering, Trichy organized a workshop on "VLSI SoC Design using Verilog HDL", on 27.02.2023. The speaker of this event was Mr. P R Sivakumar - Founder & CEO, Maven Silicon who has 20+ years of experience in Semiconductor Industry. It was attended by all the faculty members and students of ECE, Department.

*"Move forward.  
Good things are  
up ahead."*



**CARE**  
COLLEGE OF ENGINEERING

**Department of Electronics and  
Communication Engineering**

**Organizing  
Online Webinar  
on**

**VLSI SoC Design  
using Verilog HDL**

**RESOURCE PERSON**

**P R SIVAKUMAR, FOUNDER & CEO**  
**MAVEN SILICON & ACEIC DESIGN  
TECHNOLOGIES**

**27/02/2023**  
**3.30 PM - 5:30PM**  
**MICROSOFT TEAM MEETING**

**ALL ARE CORDIALLY INVITED**

**VLSI Job Opportunities**

- ◆ **Design Engineer**
- ◆ **Verification Engineer**  
Typically for every two design engineers, there are five verification engineers  
Nearly 70% of all the engineers in the industry today are verification engineers
- ◆ **Backend Engineer - P&R, Synthesis, Timing, Library design**
- ◆ **Cad Engineer**
- ◆ **Application Engineer - EDA**
- ◆ **Test and Validation Engineer**

www.maven-silicon.com



# UPCOMING EVENTS

**CARE**  
COLLEGE OF ENGINEERING

(Approved by AICTE, Affiliated to Anna University, Chennai)

Department of Electronics & Communication  
Engineering  
(Anna University Approved Nodal Research  
Center)  
Organizing

One Day National Level Online  
Workshop  
on  
**Research Paper Writing**

 1st April 2023

Impressive Journal paper  
writing tips & tricks



#### About the Faculty Development program

Writing a research paper is a challenging and essential task in the teaching and research career. Publication finds a valuable place in resume and shows our accomplishments. Communication skills and ability to understand & relate to what has been learnt. It indicates one's academic research calibre. This FDP gives clear insight about writing a research paper. All your doubts w.r.t. journal publication will get cleared. the topics (to be learnt from HORSE's MOUTH) of the FDP.

- Difference between a review and research paper.
- Tips for writing scientific paper
- How to create keywords for a research paper.
- Outline of a research paper.
- Comprehensive citation list and methods to follow.
- Reference in paper.
- How to cite reference in a paper.
- Getting the right title of the research paper.
- Avoid grammar and mistakes in writing
- How to keep the paper away from unethical practises.
- Plagiarism
- Journal Editor's Expectations
- How to structure an original research paper.
- Do's and Don'ts in formatting a paper.

Department of Electronics & Communication Engineering (Anna University Approved Nodal Research Center) conducting One Day National Level Online Workshop on Research Paper Writing on 1st April 2023

Eligibility : The FDP is open for Faculty members, Research Scholars and PG students

Registration link : <http://bitly.ws/AjUS>

For Brochure : [Click Here](#)

## International Conference On Information and Communication Engineering (ICICE '23)

Department of Electronics & Communication Engineering organising International Conference On Information and Communication Engineering (ICICE '23)  
(27.04.2023 & 28.04.2023)

Last Date for Submission of Full Paper :  
08.04.2023

Notification of Acceptance : 15.04.2023

Last Date of Registration (Online) :  
22.04.2023

Click the link for  
Broucher

# UPCOMING EVENTS



## Department of ECE Activity Plan - Even sem - 2022-2023

Event	Program	Date
STTP on Antenna design	Co- Curricular Activity	December
VAC	Co- Curricular Activity	Semester break
Internship		Semester break
Winter workshop	Co- Curricular Activity	January 4 week
Newsletter	Co- Curricular Activity	Feb 1st week
Alumni Meet( Interaction)	Alumni guest lecture	Feb 3 rd week
Outreach program for School Students/ Technical	Out Reach Program	Feb 2nd week
Paper Presentation for department students	Co- Curricular Activity	Feb 4th week
Inter departmental Cultural Activity	Extra Curricular Activity	March 1st week
Project Expo	Co- Curricular Activity	March 2nd week
Hackathon / Project Expo for poly /HSC students	Out Reach Program	
Symposium	Extra Curricular Activity	March 3 rd week
International Conference		April 4 th week
Industrial visit	Co- Curricular Activity	March 4 th week
STTP/FDP/Workshop for outside participants	FDP	
Industrial Training	Co- Curricular Activity	April 4 th week
Guest lecture series	Guest lecture( 2 Per Subjects)	Two Per Subject
Gate/Higher studies/Govement exam Coachings/ Technical	Extra Curricular Activity	All Saturdays