

**SKCET**

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**03<sup>rd</sup> - 09<sup>th</sup> February 2024**



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## SKI | WORLD RECORD FOR A DRUG-FREE COMMUNITY



**Sri Krishna Institutions** has been honored with a prestigious certificate of appreciation from **The World Record Unions** for their remarkable participation in the **Drug-Free Koval World Record Campaign!** Recognized for achieving the highest number of digital pledges against drug abuse, this achievement is a testament to the commitment in creating a healthier community.

The award was presented in a grand ceremony graced by distinguished guests, **Thiru.V.Balakrishnan**, I.P.S, Commissioner of Police, Coimbatore City, **Thiru.V.Badrinarayanan**, I.P.S, Superintendent of Police (Rural), Coimbatore District, and **Mr. Christopher Taylor Craft**, Representative of World Records Union at Tamilnadu College of Engineering Auditorium, Karumathampatti, Coimbatore.

This remarkable recognition marks a significant milestone in the journey of the Institution towards a brighter, drug-free future.

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## SKCET | CYBER SECURITY UNIVERSITY ACADEMY PROGRAM



SKCET launched **Cyber security University Academy Program** on 05<sup>th</sup> February, 2024, to make students Industry ready. **Principal Madam Dr. J. Janet** welcomed Chief Guest **Mr. Karthikeyan Shanmugam**, Cyber security lead, Bosch Global software and **Dr. Giridharan**, CEO Career TiQ and emphasized the importance of niche technology courses like AI, ML, Data Science and Cyber security offered at SKCET Campus to make students Industry ready from day-1.

## SKCET | CYBER SECURITY UNIVERSITY ACADEMY PROGRAM



### Session Highlights:

- Significance of Cybersecurity Course Certification for Students
- List of companies offering Cyber security profile for fresh graduates
- Overview of Cyber security in Bosch Software Technologies

## SKCET | ACADEMIA INDUSTRY CONNECT



**Dr. Jayasudha Subburaj**, Placement Director, along with the Deans, Heads of various Departments and Faculty members had a fruitful discussion on Embedded Programme of Nasscom ER&D with **Mr Satish D V**, Deputy Director, Nasscom ER&D paving way for an innovative partnership in the field of Embedded Software on 08.02.2024.

### Points Discussed

- Generative AI
- Overview of PCB Software
- Automotive RTOS
- Embedded C Programming
- SDLC models



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## CSBS | KARATE CHAMPIONSHIP



Risha R, student of **Second year Computer Science and Business Systems** has achieved remarkable success in the field of Karate. She has secured first-place in the Female Individual Kata and Female Individual Kumite (fighting) categories, both under 50 kg, during the Karate State Selection and Championship 2024. She also led her team to victory, clinching the first-place position in the Female Team Kata Games.

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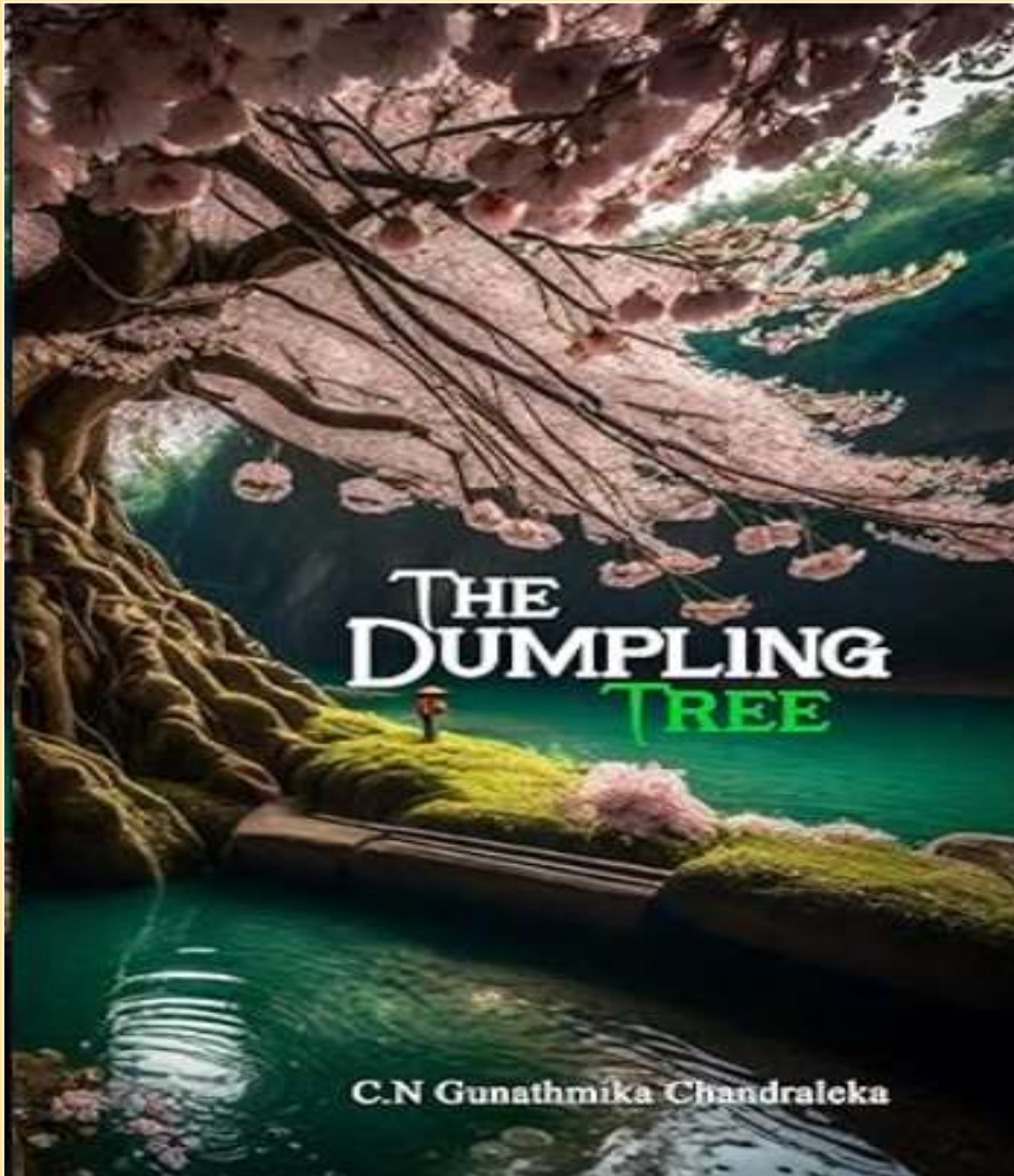
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## M.TECH CSE | BOOK PUBLICATION



**C.N.Gunathmika Chandraleka**, student of **First year M.Tech CSE** has published her first fiction book titled '**The Dumpling Tree**' for children under the age group of six and above.

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## EEE | E-KART CLUB ACTIVITY



**Mr.M.Mukesh**, Senior Engineer, Bosch Global Software Technologies, Bengaluru visited the EV lab in the Department of **Electrical and Electronics** on 31.01.2024 and provided valuable insights to enhance the fabricated vehicle performance. With a focus on innovation, he emphasized optimizing battery efficiency and incorporating smart technologies for improved speed and energy efficiency. His inspirational journey and career guidance further motivated the students' team to set a new benchmark in the electric vehicle landscape.



## MCT | PREPARING THE NEXT GENERATION OF INNOVATORS & CREATORS IN IMMERSIVE TECHNOLOGIES (AR & VR)



Department of MCT organized a workshop entitled “Preparing the Next Generation of Innovators & Creators in Immersive Technologies (AR & VR)”

**Resource Person:** Visweswaran J, Country Manager, ARK Infosolutions Bangaluru.

### Session Takeaways:

- Introduction to Immersive technologies
- AR/VR/MR/ XR
- Various applications of AR/VR
- Current and future needs of AR/VR
- Industry Needs
- Demo of VR

# MCT | STP ON DIGITAL TWINNING OF MATERIAL PROCESSING TECHNOLOGIES – DAY 1



**SKCET- MCT** as Remote center, NITTTR Chandigarh organizes a Short Term course on “**Digital Twinning of Material Processing Technologies**” from 05.02.2024 to 09.02.2024. The STC drew enthusiastic participation from the faculty members.

## Session 1 :

**Resource Person:** Prof. Rupinder Singh, NITTTR, Chandigarh

**Topic: Overview & Need for Digital twinning in Manufacturing**

### Session Highlights:

- Digital twinning and its importance.
- Challenges in implementing Digital twinning.
- Application in Material Elemental mapping.

## Session 2

**Resource Person:** Prof. Suniti Dutt, NITTTR, Chandigarh

**Topic: Basics of VR for Manufacturing Applications**

### Session Highlights:

- Industries benefitting from AR/VR.
- AR/VR in various stages of product development.

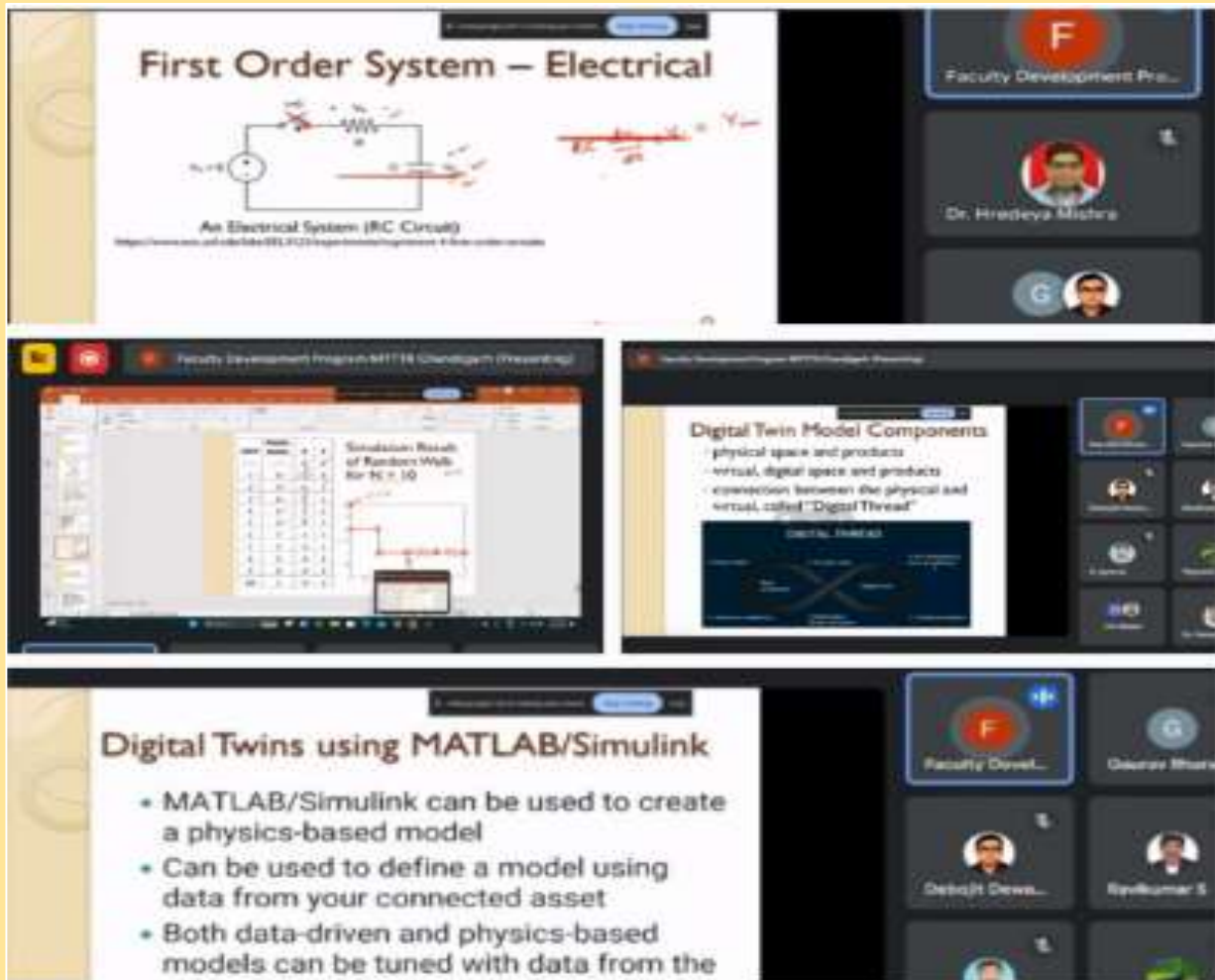
## ECE | NSS - USVA OUTREACH ACTIVITY



In honor of **Elder's Day Celebration**, the Department of **Electronics and Communication Engineering** conducted NSS Outreach activity at Sevalayam Old Age Home located in Dhaliyur Village, within the Thondamuthur Panchayat of Coimbatore South, on February 5<sup>th</sup>, 2024. As part of this initiative, collected clothes were distributed to the residents of the old age home. The gesture was met with joy and appreciation from the recipients, who expressed their gratitude.



# MCT | STP ON DIGITAL TWINNING OF MATERIAL PROCESSING TECHNOLOGIES – DAY 1



## Session 3

**Resource Person:** Prof. S.S. Dhami, NITTTR, Chandigarh

**Topic:** MATLAB for Material Processing

**Session take-aways:**

- Introduction to Digital twin & MATLAB.
- Connectivity in various industries using Digital twin.
- Problem solving & simulation using MATLAB.
- Simulation using Random walk.

## MECH | ROAD SAFETY AWARENESS PROGRAM

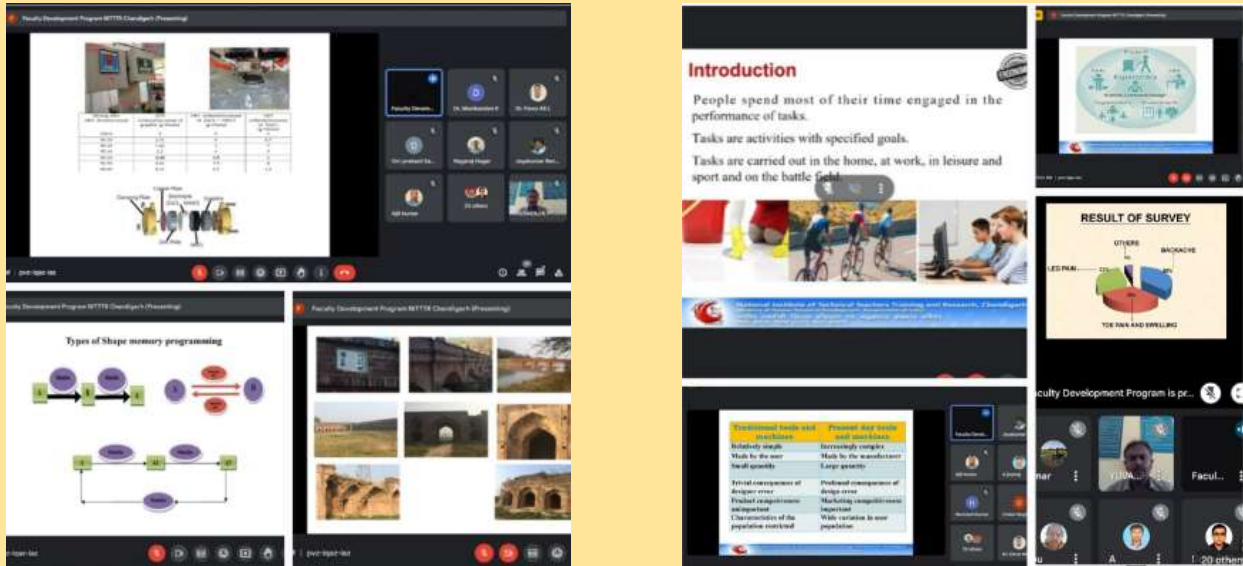


Department of **Mechanical Engineering** organized a **Road Safety Awareness program** to the drivers and non-teaching faculty of SKCET on 08.02.2024. **Dr. P Ashoka Varthanan**, HoD, **Mechanical Engineering** Department, extended a warm welcome to the guest speakers **Mr. K B Sibimon**, AGM of the Skill Center & MSDS, and **Mr. R Rajkumar**, the Branch Manager of MSDS.

### Key take aways:

- Road accident statistics to create awareness
- Road Engineering and Vehicle Engineering Development in reducing accidents

# MCT | STP ON DIGITAL TWINNING OF MATERIAL PROCESSING TECHNOLOGIES – Day 2



## Session 1

**Resource Person:** Prof. Rupinder Singh, NITTTR, Chandigarh

**Topic:** Digital twinning Applications in Manufacturing

### Session take-aways:

- Application of Regression Modeling in Digital Twinning
- Virtual restoration of damaged architecture
- Modeling of Rapid Prototyping process
- Shape memory programming

## Session 2

**Resource Person:** Prof. S.S.Banwait, NITTTR, Chandigarh

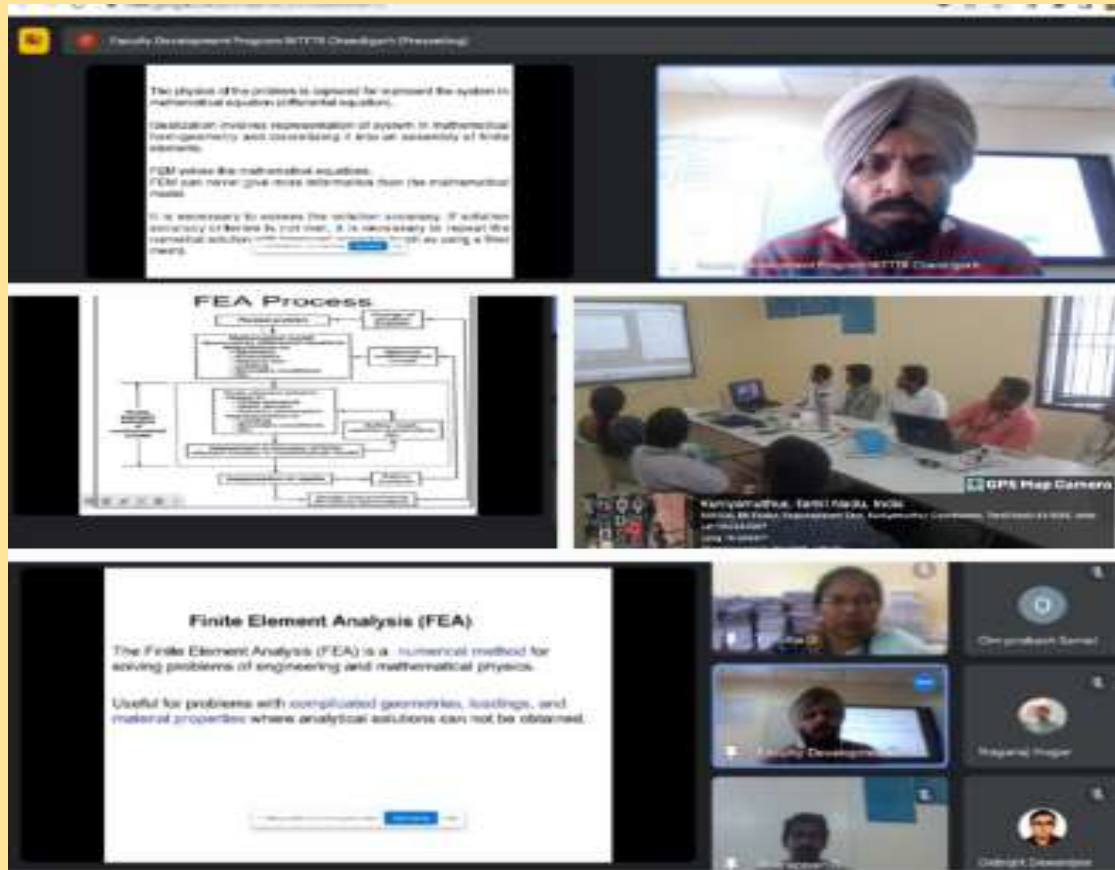
**Topic:** Ergonomic Aspects in Manufacturing

### Session take-aways:

- Consequences of not using Ergonomics
- Area of study in Ergonomics
- Criteria in assessing Ergonomics problems and solutions
- Human characteristics relevant to Ergonomics



# MCT | STP ON DIGITAL TWINNING OF MATERIAL PROCESSING TECHNOLOGIES - DAY 2



## Session 3

**Resource Person:** Prof. Amrinder Pal Singh, Punjab University.

**Topic:** FEA for Manufacturing

### Session take-aways:

- Magic of Discretization.
- General steps of Finite Element Analysis.
- Pre - Processing stage.
- Solving stage.
- Post - Processing stage.

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# TUTOR WARD MEETING



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## EEE | TUTOR WARD MEETING



**Dr.K.Muthukumar and Ms.K.Subhalakshmi**, faculty members of **EEE** Department conducted **Tutor Ward Meeting** for the Third year EEE B section students on 30-01-2024. The Pointers of discussion were;

- Participation in the project expo and hackathon.
- Importance of placement training.
- Punctuality and general discipline inside the campus.



## EEE | TUTOR WARD MEETING



**Mr.R.Kavin and Ms.T.Malini** Assistant Professors, **EEE** have conducted Tutor Ward Meeting for the **Third** year EEE A section students on 30-01-2024. The Pointers of discussion were:

- Participation in the project expo, hackathon.
- Importance of placement training and regular class.
- Punctuality and general discipline inside the campus.

## EEE | CLASS COMMITTEE MEETING



Department of **EEE** conducted Class Committee Meeting for the **First** year **EEE** students on 19.01.2024. **Dr.V.Nandalal** Professor, Department of **Electronics and Communication Engineering** chaired the meeting. The Pointers of discussion were: Syllabus Coverage on Theory and Lab Courses.

## ECE | TUTOR WARD MEETING



Tutor Ward Meeting was conducted for **Third year ECE B** Section on 06.02.2024 by **Dr Rejina Parvin**, Assistant Professor, **ECE**. The following points were discussed in this tutor ward meeting: Placement classes and regular attendance, Daily and weekly placement Test performance, Mini Project works, Publishing of papers in conferences and journals, Participating in Hackathons and Preparation of resumes.



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## PLACEMENT | TESTIMONIAL BY PLACED STUDENTS

My name is Adhira M, and I graduated from Mechatronics Engineering in 2023. Being a part of SKCET has been an incredible stroke of luck and fortune for me. During my time here, I've not only honed my leadership, interpersonal, and team skills but also elevated myself to new levels of personal and professional growth.

The four years spent at SKCET were filled with invaluable learning experiences and opportunities for self-improvement. I had the privilege of interacting with diverse individuals and creating lasting memories along the way. The supportive environment fostered by the faculty-student relationship allowed me to explore my areas of interest freely.

I am particularly grateful for the guidance provided by the placement cell, which played a significant role in preparing me for interviews and equipping me with the necessary skills for the future. I owe a debt of gratitude to the management, Principal, and the entire SKCET family for their unwavering support and for continuously providing me with various opportunities to grow and succeed. They have instilled in me a sense of confidence to tackle life's challenges and uncertainties head-on.



**ADHIRA M**  
**MCT 2023 Batch**  
**L&T INFOTECH**

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# R&D | JOURNAL PUBLICATION | EEE



**Ms.C.Pavithra**, Assistant Professor, Department of **EEE** has published a paper entitled **“A Novel Comparative Analysis of Solar P&O, ANN-based MPPT Controller under Different Irradiance Condition”** in **EAI Endorsed Transactions on Energy Web**. It is indexed in Scopus journal with an impact factor of 0.211.

# R&D | JOURNAL PUBLICATION | EEE

**Mr.R.Kavin**, Assistant Professor, Department of **EEE** has published a paper entitled **“Enhancing Computer Science: Exploring the Power of Decentralized Blockchain Techniques in IoT Security and Privacy”** in the **International Journal of Intelligent Systems and Applications in Engineering**. It is indexed in Scopus journal with an impact factor of 1.74.



# R&D | PAPER PUBLICATION | ECE

**Dr.R.Senthil Ganesh**, Associate Professor, Department of **ECE**, has published SCI and Scopus indexed Journal titled **“Integration of Artificial Intelligence in Micro-patch Antenna Design for AMCA Aircraft”** in the International Journal of Intelligent Systems and Applications in Engineering. Vol 12, Issue 5s, pp. 301–308.



# ECE | STUDENTS PUBLICATION



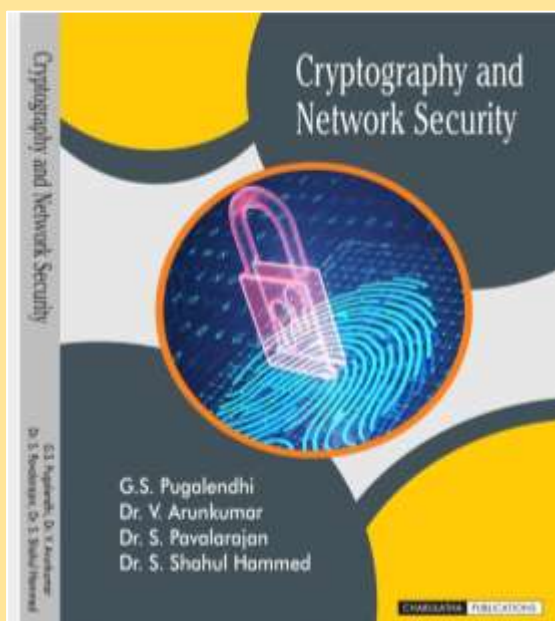
**Dr Jayanthi Sree**, Associate Professor, Department of **ECE** along with Final year ECE students **Mokaan Raam E, Lingamoorthy S and Jaya Harshan S** has published a paper titled **“Design And Implementation Of Moving Object Detection Using RCNN”** in the International Conference on Computer and Informatics (ICCCI) ” held on 29<sup>th</sup> to 31<sup>st</sup> Jan 2024.

## R&D | PAPER PUBLICATION | MCT & IT

**Dr. M. Lydia**, Professor, Department of **Mechatronics Engineering** and **Dr. G. Edwin Prem Kumar**, Professor, Department of **Information Technology** have published a paper titled **“Wind speed and Wind power forecasting models”** in **Energy and Environment (Sage Journals)** with an Impact Factor – 4.2. It is a Scopus and WoS indexed Journal.



## R&D | BOOK PUBLICATION | AI&DS



**Mr. G.S. Pugalendhi**, Assistant Professor, **AI&DS** has published a Book titled **“Cryptography and Network Security”** in the **Charulatha Publications** on December 2023, **ISBN No: 978-93-5577-763-8**.

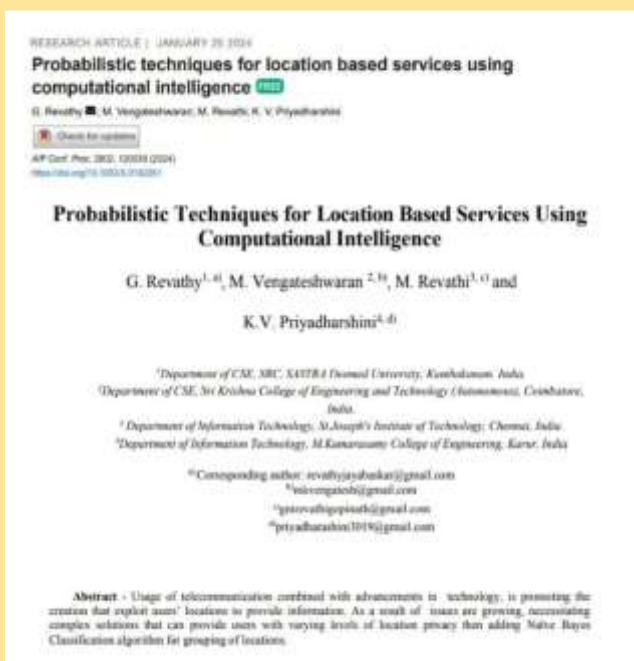


## R&D | PATENT PUBLICATION | CSBS

**Dr.G.Ignisha Rajathi**, Associate Professor, **Computer Science and Business Systems** along with the **Second** year students **V.Priyadharshini** and **S.Rajeswar** from CSBS and **N.Susma** and **C.Sumitha** from Information Technology, has published a patent titled **“Speedy Care (Ambulance Video Calling System)”**, in the Patent Office, Government of India on 29.12.2023 with the Application No.202341081114 A.



## R&D | JOURNAL PUBLICATION | CSE



**Mr.M.Vengateshwaran**, Assistant Professor, **CSE** has published a paper entitled **"Probabilistic Techniques for Location Based Services Using Computational Intelligence"** in the AIP Journal Publisher. It is in Indexed in Scopus.  
**DOI:https://doi.org/10.1063/5.018**

## R&D | BOOK CHAPTER PUBLICATION | IT



**Dr.M.Rajkumar**, Professor Department of IT has published a book chapter titled **“Internet of Things (IoT)-Integrated Technologies in the Agriculture Sector”** in the book Agriculture and Aquaculture Applications of Biosensors and Bioelectronics (pp. 196-212). It is Scopus Indexed (IGI Global).  
<https://doi.org/10.4018/979-8-3693-2069-3.ch010>

## R&D | JOURNAL PUBLICATION | MECH

**Dr. KP Yuvaraj**, Assistant Professor, Department of **Mechanical Engineering**, has published a research article titled **“An experimental method for choosing the tool pin profile and shoulder size to join dissimilar aluminum alloys AA7075-T651 and AA6061-T6 joints”** in Materials Research Express. It is indexed in Scopus and WoS with an Impact Factor 2.3.





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## CSBS | COFERENCE SESSION CHAIR

**Dr. S. Balakrishnan**, Professor and Head, Department of **Computer Science and Business Systems**, has received a **Certificate of Appreciation** for serving as a **Session Chair** for the International Conference on Computer Communication and Informatics organized by Sri Shakthi Institute of Engineering and Technology, Coimbatore, which was held from January 29<sup>th</sup> to 31<sup>st</sup>, 2024.



## CSBS & MECH | FACULTY SPORTS ACCOLADES



**Mr. S. Palani**, Assistant Professor, **Computer Science and Engineering (Cyber Security)**, and **Dr. A. Satishkumar**, Assistant Professor, **Mechanical Engineering**, have secured **First Position in Badminton—Doubles** in the State Level SKASC Teacher's Trophy held at Sri Krishna Arts and Science College, Coimbatore, on February 3, 2024.

## CIVIL | MENTOR APPRECIATION

Dr. R. Chandra Devi and Mr. R. Vighnesh, faculty members of Civil Engineering have been appreciated for mentoring the student teams to participate in the National Cube Contest organized by the ICI Students Chapter, Department of Civil Engineering, PSG College of Technology, Coimbatore.



## CSE | DOMAIN SCHOLAR CERTIFICATION

Ms. V.R. Azhaguramyaa, Assistant Professor, CSE has achieved the esteemed Domain Scholar Certification in the Systems Domain of Computer Science and Engineering from NPTEL. At the NPTEL Star Event on January 20, 2024, hosted at IIT Madras, she shared her enriching journey and insights as a recognized Domain Scholar and also had the privilege of providing valuable suggestions to the NPTEL team during the event and has garnered recognition by being featured on the official NPTEL page.



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# MCT | FDP ON RECENT TRENDS IN ARTIFICIAL INTELLIGENCE



Ms. S. Nithyapriya, Ms. S. Kannaki and Mr. S. Madhan Kumar Assistant Professors of MCT have participated and successfully completed one week (Online Mode) Faculty Development Program on “Recent Trends in Artificial Intelligence” organized by the Department of Computer Science and Application, Faculty of Science Bhupal Nobel’s University, Udaipur with Pantech e - Learning conducted from 22nd January - 27th January 2024.



## AI&DS | FDP ON EMERGING TECHNOLOGIES IN COMPUTER SCIENCE



**Dr.S.Venkata Lakshmi** Professor of **AI&DS** has participated in the International Faculty Development Programme on “**Emerging Technologies in Computer Science**” during 22.01.2024 and 27.01.2024.

## CSE | GEN AI 360

**Dr.Rohini M** , Assistant Professor, CSE has completed **Gen AI 360 Certification**, developed in collaboration with **ActiveLoop, Towards AI, & Intel Disruptor** initiative course successfully.



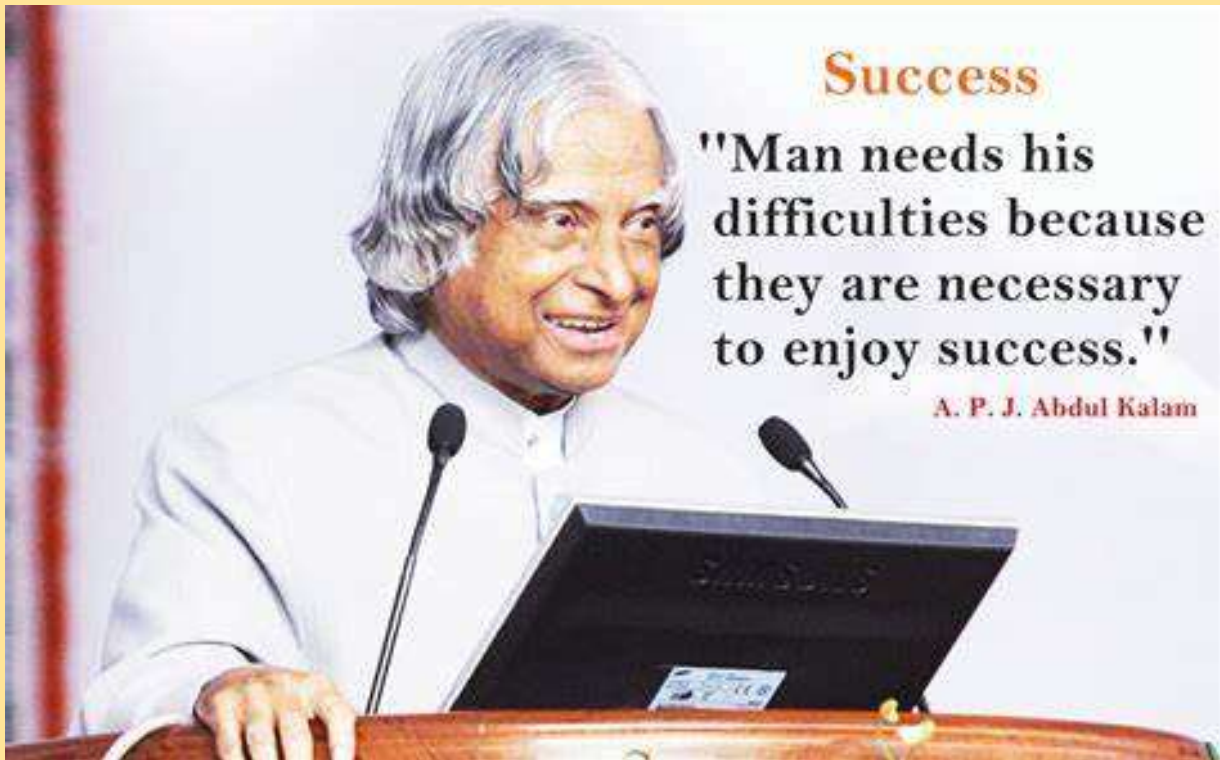


## IT | INFOSYS CERTIFICATION



Dr. S. Durga, Associate Professor, IT Department has successfully completed the course on **“MicroPython Board”** on January 30<sup>th</sup> 2024 certified by Infosys Springboard.

## LEGENDARY INSIGHTS



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## EEE | ALUMNI GRATITUDE MEETING



**Ms.T.S. Arundhathy**, prominent alumna of **EEE** Department (Batch:2017-2021) met our Principal Madam, Dean of Placement and Dr.Ramya, HoD, EEE on 5.2.2024 and shared her joy and gratitude. She is currently pursuing her MBA in Symbiosis Institute of Business Management, Pune. Before starting her MBA journey, she held the position of Marketing Executive at Soliton Technologies.



## ECE | ALUMNI RECOGNITION



### SKCET ICON AWARD

**Mr. Richmond Johnson**  
2012-2016 Batch  
Software Engineer,  
Microsoft,  
Washington, US



### OUTSTANDING CONTRIBUTOR AWARD

**Mr. A. Suryah**  
2014-2018 Batch  
Senior Engineer,  
Hella India Automotive Pvt Ltd.



### OUTSTANDING CONTRIBUTOR AWARD

**Mr. Bharath Raj Kumar**  
2015-2019 Batch  
Software Engineer,  
Booking Holdings & Founder,  
Incend Digital Pvt Ltd



### Office Bearer – Coimbatore Chapter

**Mr. Karthik Ponnusamy**  
1999-2003 Batch  
Senior Manager  
CTS Coimbatore

## EEE | ALUMNI GUEST SEMINAR



Department of **Electrical and Electronics Engineering** organized alumni Guest Seminar on the topic “**Building Blocks of Silicon: Small Size, Big Impact**” for Third year **EEE** students on 05.02.2024.

**Resource Person:**

**Ms.T.S.Arundhathy** (2017-2021 Batch Alumna), Marketing Executive, Soliton Technologies, Coimbatore

**Session take-aways:**

- Importance of core company (soliton) and IC industry through mentimeter platform
- Silicon chips, Manufacturing, Processing, building blocks application
- Important role in innovation of aero plane.
- Testing and validation process in semiconductor industry
- Knowledge about Texas instruments manufacture and validate the processor for the Apple iPhones
- Importance of IC and its role in AI and ML, autonomous vehicles
- Innovation opportunity and growth