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VOL 25 - ISSUE 09
FEB 23 - MAR 01, 2025

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ISBN NUMBER



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The engineer has been,
and is, a maker of history
-James Kip Finch

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Coimbatore - 641 042.



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Band 151-200
Engineering 2024



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GRADUATION DAY GLIMPSE





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SKCT DIGEST

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GRADUATION DAY GLIMPSE



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

STUDENT PLACEMENT



Mr Kishore S , Student of Final year B.Tech AI&DS, successfully secured Placement offer from **IBM Technology Experts Lab, Kochi.**



KISHORE S

727821TUAD027

Batch 2021-25/ADS

for getting Placement offer with



IBM Technology Experts Lab, Kochi

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

STUDENT ACHIEVEMENT



Ms Acshaya Sri, Student of Final year B.Tech. AI&DS, received the **Best Outgoing Student Award** during the 40th SKCT Annual Day Celebration – KEERTHI'25 for the Academic Year 2024-2025.



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

STUDENT ACHIEVEMENT



Ms Harismita R, Ms Monisha K, and Mr Dinesh R, Students of Final Year B.Tech. AI&DS, received the **Academic Topper Award** during the **40th SKCT Annual Day Celebration – KEERTHI'25** for the Academic Year 2024-25.



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

STUDENT ACHIEVEMENT



Ms Kavya S, Ms Madhumitha, and Ms Pavanikha, Students of Third Year B.Tech. AI&DS, received the **Academic Topper Award** during the **40th SKCT Annual Day Celebration – KEERTHI'25** for the Academic Year 2024-25.



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

STUDENT ACHIEVEMENT



Ms Anushalakshmi S, Ms Shamyuktha U T, and Ms Susmiha Bavya, Students of Second Year B.Tech. AI&DS, received the **Academic Topper Award** during the **40th SKCT Annual Day Celebration – KEERTHI'25** for the Academic Year 2024-25.

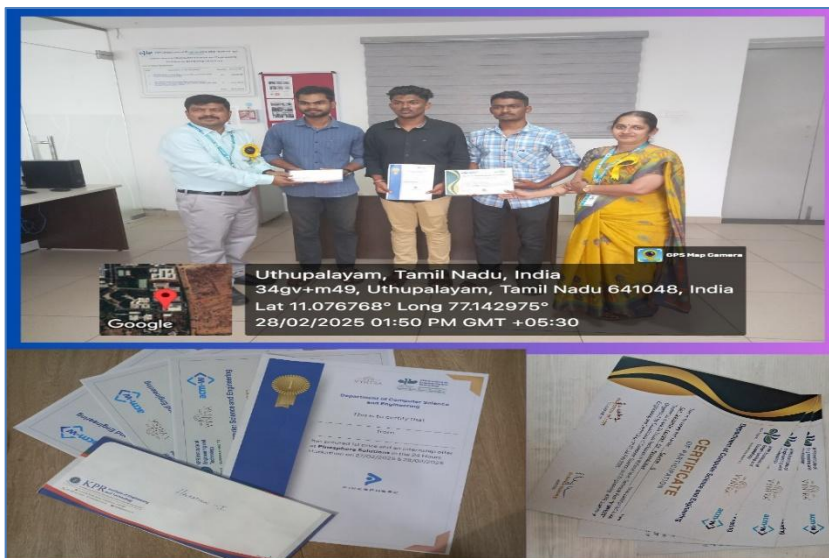


DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

STUDENT PARTICIPATION



Mr Sakthi S, Mr Mugesh Kumar M, and Mr Vasantha Raj M, Students of Second Year B.Tech. AI&DS, secured **1st Place** in the **24-Hour Hackathon** at the National Level Technical Fest "**VYNFEST**", organized by the Department of Computer Science and Engineering, KPR Institute of Engineering and Technology, on 27th and 28th February 2025. They were awarded a **cash prize of ₹3,000** and an **internship offer at Pinesphere Solution**.



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

STUDENT PARTICIPATION



Ms Kiruthi Swetha S, Student of Second Year B.Tech. AI&DS, represented Sri Krishna College of Technology in the **Anna University Inter-Zonal Selection Trials for Roll Ball Women Category** at SDAT Nehru Park, Chennai, organized by Easwari Engineering College on 28 February 2025.



DEPARTMENT OF CSE(AIML)

STUDENT PARTICIPATION



Mr Haresh Sainath S, Student of First Year B.E. CSE(AIML), secured a **cash prize** in the “**Extended Reality Workshop**” offered by Sri Eshwar College of Engineering on **20th–22th February 2025**.



DEPARTMENT OF CSE(CYS)

STUDENTS' ACHIEVEMENT



Mr Mughil Syam, Student of First Year B.E. CSE(CYS), secured the **Third Position** in the **Football Inter-House Match** on 22nd February 2025.



DEPARTMENT OF CSE(IOT)

STUDENT PARTICIPATION



Mr Ponmadhan, Student of Second Year B.E. CSE(IOT), participated in the **Pitch & Present Challenge** at “**IoT InnovateX**” on 18th February 2025, organized by the Department of CSE (IoT).



DEPARTMENT OF CSE(AIML)

STUDENT PARTICIPATION



Mr Shyam Prasath S and Ms Navika G, Students of First Year B.E.CSE(AIML), participated in the “**Science Expo**” organized by KPR Institute of Technology on 21th February 2025.

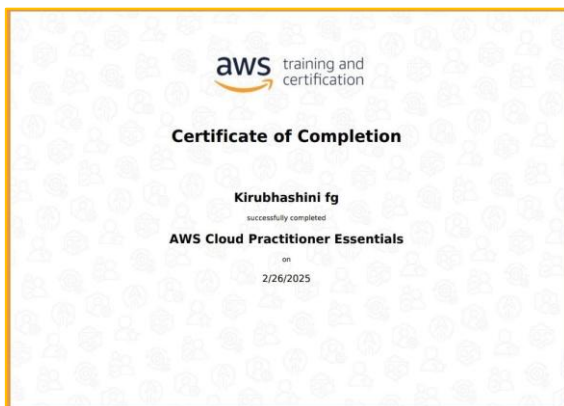


DEPARTMENT OF CSE(CYS)

STUDENTS' PARTICIPATION



Mr Mohamed Anwar Basha M, Ms Vilashini V, Ms Kirubhashini F G, and Ms Joselin Jennilia A, Students of Second Year B.E. CSE(CYS), successfully completed the online course **“AWS Cloud Practitioner Essentials”** offered by AWS on 21st February 2025.



DEPARTMENT OF CSE(IOT & CYS)

STUDENTS' PARTICIPATION



The following Students of First Year B.E. CSE(IOT, CYS) participated in the “**Pitch & Present Challenge**” organized by the Department of CSE (Internet of Things) on 18th February 2025:

- Mr Chandru M
- Mr Prasanna K
- Mr Rakshith R
- Mr Ponmadhan
- Mr Kishore K



DEPARTMENT OF CSE(CYS)

FACULTY PARTICIPATION



Ms Sugitha A, Asst. Professor/CYS, successfully completed the online FDP **“Cybersecurity 25”** organized by National Cyber Security Standards (NCSS) on 30th January 2025.



DEPARTMENT OF CSE(AIML)

FACULTY PARTICIPATION



Dr Naveenbalaji G, Assoc.Professor/AIML, successfully completed the AICTE-ATAL Online FDP on **“Quantum Computing”** organized by the Karunya Institute of Technology and Sciences during 10th–15th February 2025.



DEPARTMENT OF CSE(AIML)

FACULTY PARTICIPATION



Dr Naveenbalaji G, Assoc.Professor/AIML, successfully completed the One-Day Workshop on “**Mastering Research Database and Metrics: Navigating Scopus, Web of Science & Academic Impact**” organized by the Karunya Institute of Technology and Sciences on **19 February 2025**.



DEPARTMENT OF CSE(AIML)

FACULTY ACHIEVEMENT



The **Department of CSE (AIML)** secured the title of **Overall Intramural Champion** among **Women's Teams**.



DEPARTMENT OF CSE(AIML)

FACULTY ACHIEVEMENT



Dr Naveenbalaji G, Assoc. Professor/AIML, secured the **Top MYKLASSROOM Contributor** award organized by Sri Krishna College of Technology – Keerthi 2025.



DEPARTMENT OF CSE(IOT)

FACULTY ACHIEVEMENT



Mr Shanmuga Raju S, Asst. Professor/IOT, secured the NPTEL Topper & Wipro Certification in Python for Data Science organized by Sri Krishna College of Technology – Keerthi 2025.



CIVIL ENGINEERING

FACULTY ACHIEVEMENTS



Faculties of the Department of Civil Engineering were honored for undergoing **Consultancy Works worth Rs. 6.5 Lakhs** during the 40th SKCT Annual Day Celebration – KEERTHI'25 for the Academic Year 2024-25.



CIVIL ENGINEERING

FACULTY ACHIEVEMENTS



Faculties of the Department of Civil Engineering were honored for their **Article Publications** during the 40th SKCT Annual Day Celebration – KEERTHI'25 for the Academic Year 2024-25.



CIVIL ENGINEERING

FACULTY ACHIEVEMENTS



Dr G Selina Ruby, Asst.Professor, was honored for her **NPTEL Achievement** during the 40th SKCT Annual Day Celebration – KEERTHI'25 for the Academic Year 2024-25.



CIVIL ENGINEERING

FACULTY ACHIEVEMENTS



Dr G Selina Ruby, Asst.Professor, delivered a lecture on **“Significance of Education”** to the students of **Corporation High School, Anuppar Palayam, Coimbatore**, organized by Bharathiar University.

**DEPARTMENT OF SOCIAL WORK
BHARATHIAR UNIVERSITY
COIMBATORE - 46**

**Cordially invites you for the Community Organization Program
on Importance of education**

"SECRET TO GET SUCCESS"

RESOURCE PERSON
Dr.G.Selina Ruby
Assistant professor
Department of Civil Engineering
Sri Krishna College of Technology

UNDER THE HEADSHIP OF
Dr.F.X.Lovelina Little Flower
Professor and Head
Department of Social Work
Bharathiar University

FELICITATION
Mrs.C.Velumani
Head Mistress
Corporation High School
Anupparpalayam

UNDER THE GUIDANCE OF
Dr.N.Shanmughavadiyu
Assistant Professor
Department of Social Work
Bharathiar University

ORGANISED BY
S.Devanandhan
I-MSW

Corporation High School,
Anupparpalayam,
Dr.Nanjappa Road,
Coimbatore - 18

27/02/2025
11:15AM - 12:15PM



CIVIL ENGINEERING

FACULTY PARTICIPATIONS



Dr V Sathish Kumar, Assoc.Professor, successfully completed the ATAL FDP on “Impact of Urban Green Spaces in Alleviating Micro-Climate Change Using Geo-Spatial Techniques”.

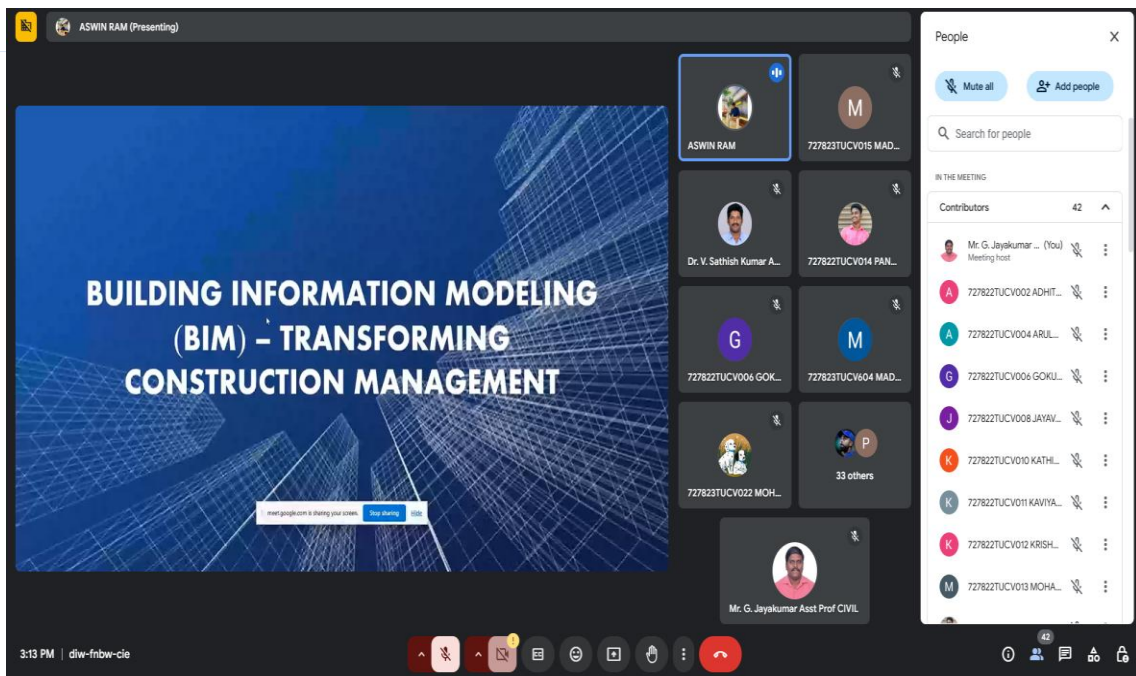


CIVIL ENGINEERING

EVENTS ORGANIZED



The Department of Civil Engineering, in association with the **Alumni Cell**, organized an **Online Alumni Lecture** on **“Building Information Modeling (BIM) - Transforming Construction Management”**.



CIVIL ENGINEERING

STUDENT ACHIEVEMENTS



“Graduation is not the end; it’s the beginning of your journey as a civil engineer—creating, building, and improving the world around us.” **Batch 2020-2024** students received their degree certificates on the **36th Graduation Day**.



COMPUTER SCIENCE AND ENGINEERING

EVENT ORGANIZED



Academic Toppers of the Department were honored during the **36th Graduation Day** at Sri Krishna College of Technology, Coimbatore, which witnessed the recognition of outstanding academic achievements. **148 graduands** received their **degree certificates** during the ceremony.



COMPUTER SCIENCE AND ENGINEERING

FACULTY PARTICIPATION



Ms Abinaya K, Ms Harini S, and Ms Brindha S, Students of Third Year B.E. CSE , participated in the events **Treasure Hunt** and **Paper Presentation** organized by Kongu Engineering College, Erode, and secured **Second Place**.



COMPUTER SCIENCE AND ENGINEERING

STUDENT PARTICIPATION



Y S Ajay Daniel, Student of Second Year CSE A, participated in the **Clash of Chords - Band Battle** event organized by Sri Eshwar College of Engineering - Thiran'25 and secured **First Place**.



COMPUTER SCIENCE AND ENGINEERING

STUDENT PARTICIPATION



Mr Siddhanth T A, Student of Second Year B.E.CSE , participated in the **Technical Quiz** event organized by Karpagam Academy of Higher Education, Coimbatore - XENVIRON 2K25' and secured **First Place**.



COMPUTER SCIENCE AND ENGINEERING

STUDENT PARTICIPATION



Ms Darshini Y, Student of Second Year B.E.CSE , participated in the **Fun Mania** event organized by Sri Eshwar College of Engineering - Thiran'25 and secured **Second Place**. She also participated in the **AI Art Biennale** event and secured a **Special Prize**.

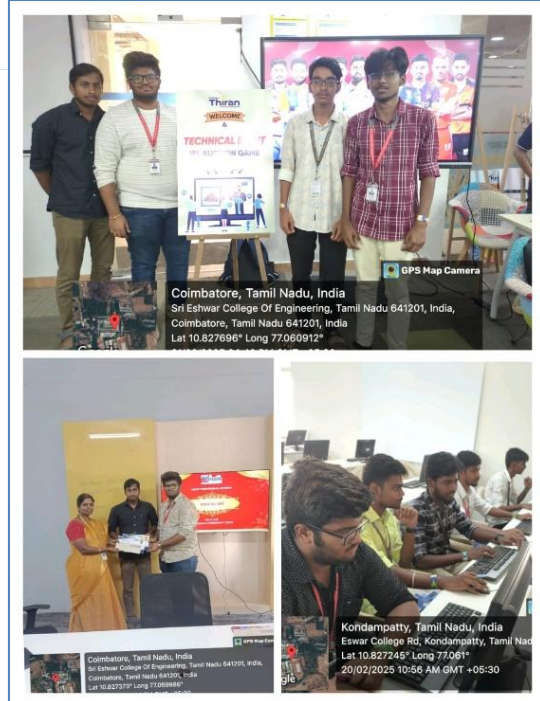


COMPUTER SCIENCE AND ENGINEERING

STUDENT PARTICIPATION



Mr Hamsavardhan S, Student of Second Year B.E.CSE , participated in the **Code Masala** event organized by Sri Eshwar College of Engineering - Thiran'25 and secured a **Special Prize** as **Best Coder**.



COMPUTER SCIENCE AND ENGINEERING

STUDENT PARTICIPATION



Mr Durgesh S V and Mr Dhiyanesh S, Students of Second Year CSE A, secured **Second Place** in the **Digital Art** event organized by Sri Eshwar College of Engineering.



COMPUTER SCIENCE AND ENGINEERING

STUDENT PARTICIPATION



Ms T Shanmuhapriya, Student of Second Year B.E.CSE , participated in **Metaverse**, an event held as part of the **National Level Tech Fest - METAVERSE 2K25** at Karpagam Academy of Higher Education, Coimbatore.



COMPUTER SCIENCE AND ENGINEERING

STUDENT PARTICIPATION



Ms Shalini K, Student of Second Year B.E.CSE, participated in the event **XENVIRON** conducted by Karpagam Academy of Higher Education.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENT INTERNSHIP



Ms P Yuvasri, Student of Third B.E. ECE, completed an internship with “**Centre for Air Borne System, Defence Research and Development Organization (DRDO)**”, Bangalore.



YUVASRI P

727822TUEC263

Batch 2022-26/ECE

for completing internship with
CENTRE FOR AIR BORNE SYSTEM



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENT ACHIEVEMENT



Ms A Kavina, Student of Final B.E. ECE, received the **Best Outgoing Student Award** during the 40th SKCT Annual Day Celebration – KEERTHI'25 for the Academic Year 2024-25.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENTS' ACHIEVEMENT



Ms S Abarna, Ms R Roopa Thangam, and Ms R Kiran Vishali, Students of Final B.E. ECE, received the **Academic Topper Award** during the 40th SKCT Annual Day Celebration – KEERTHI'25 for the Academic Year 2024-25.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENTS' ACHIEVEMENT



Mr K S Santhosh Krishna, Ms P G Keerthana, and Mr S Deo Williams, Students of Third B.E. ECE, received the **Academic Topper Award** during the 40th SKCT Annual Day Celebration – KEERTHI'25 for the Academic Year 2024-25.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENTS' ACHIEVEMENT



Ms A S Shanju Vigasini, Ms M Pavithra, and Mr K R Dharaneshwaran, Students of Second B.E. ECE, received the **Academic Topper Award** during the 40th SKCT Annual Day Celebration – KEERTHI'25 for the Academic Year 2024-25.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENTS' ACHIEVEMENT



Ms J Jayasrivaruni, Mr M Pradeep, and Ms T Selva Nikilaa, Students of First B.E. ECE, received the **Academic Topper Award** during the 40th SKCT Annual Day Celebration – KEERTHI'25 for the Academic Year 2024-25.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENTS' PARTICIPATION



Mr K Aswath Hari, Mr Ajay Adhithya, and Mr Deepak Sanjay, Students of First B.E. ECE, participated and secured a Second Place with a cash award of ₹ 7,500/- in the event of “National-Level Automation and Robotics Challenge 2025” organized by SRM University, Chennai on 27-28 February 2024.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENT PARTICIPATION



Mr N Sakthivel, Student of Second B.E. ECE, participated and secured a special prize in the event of “**Tamil Speech Competition (Thiran 25)**” organized by Sri Eshwar College of Engineering, Coimbatore on 22 February 2024.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENTS' PARTICIPATION



Mr Vivash, Mr Yogheswar, Mr Yogesh, Mr Vimal, Ms K Sastika, Ms S Sasmita, Ms M Ramya, and Ms M Sangamithra, Students of First B.E. ECE, attended a workshop on “**Python Programming**” organized by National Institute of Technology, Trichy during 22-23 February 2024.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENTS' PARTICIPATION



Mr S Kowshik, Mr G Mukundan, Ms M Poobana, Mr M Rithick Roshan, and Mr Thangaprasath, Students of B.E. ECE, attended a SERB Sponsored Seminar on “**Hybrid Quantum - Classical Computing**” organized by Sri Krishna College of Technology, Coimbatore during 17-21 February 2024.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENTS' PARTICIPATION



Mr M M Ragavarma, and Mr M Rathish, Students of Second B.E. ECE, participated and secured a Third Place in the event of “**ScriptHack (Coding Competition) (Thiran 25)**” organized by Sri Eshwar College of Engineering, Coimbatore on 22 February 2024.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENTS' PARTICIPATION



Mr V P Prithiv Raaj, and Mr J Prince, Students of Second B.E. ECE, participated and secured a Fifth Place in the event of “**ScriptHack (Coding Competition) (Thiran 25)**” organized by Sri Eshwar College of Engineering, Coimbatore on 22 February 2024.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENTS' PARTICIPATION



Mr M Nithishkumar, Mr M Paal Praveen M, and Mr S Herbert Sagaya Thilsan, Students of Second B.E. ECE, participated and secured a Fourth Place in the event of “**Quiz Bowl Competition (Thiran 25)**” organized by Sri Eshwar College of Engineering, Coimbatore on 22 February 2024.

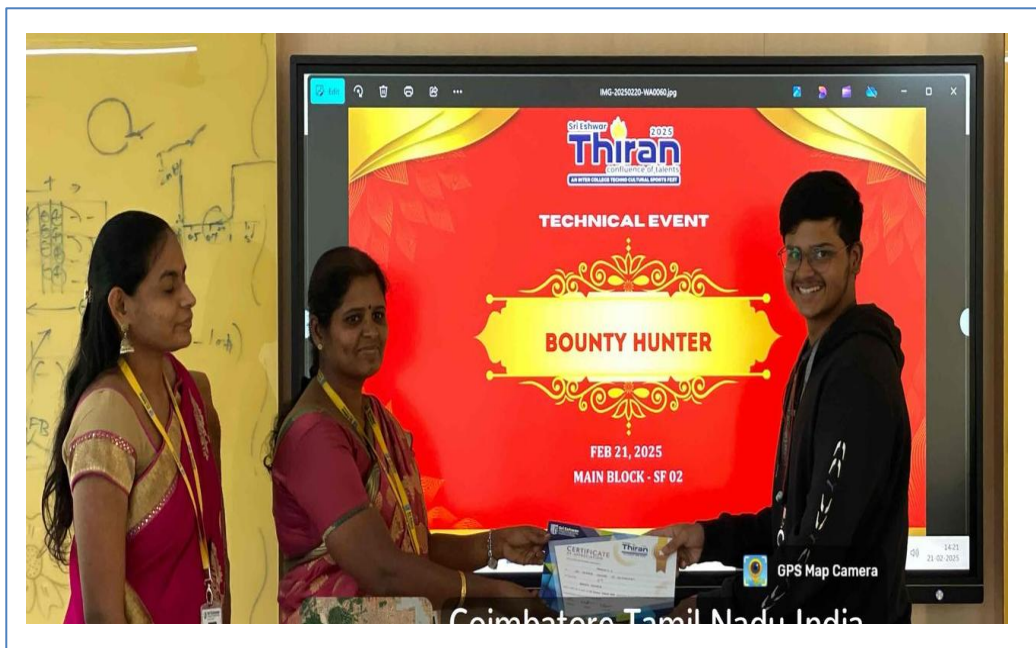


DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENT PARTICIPATION



Mr S Prakash, Student of Second B.E. ECE, participated and secured a Fourth Place in the event of “**Bounty Hunt Competition (Thiran 25)**” organized by Sri Eshwar College of Engineering, Coimbatore on 21 February 2024.

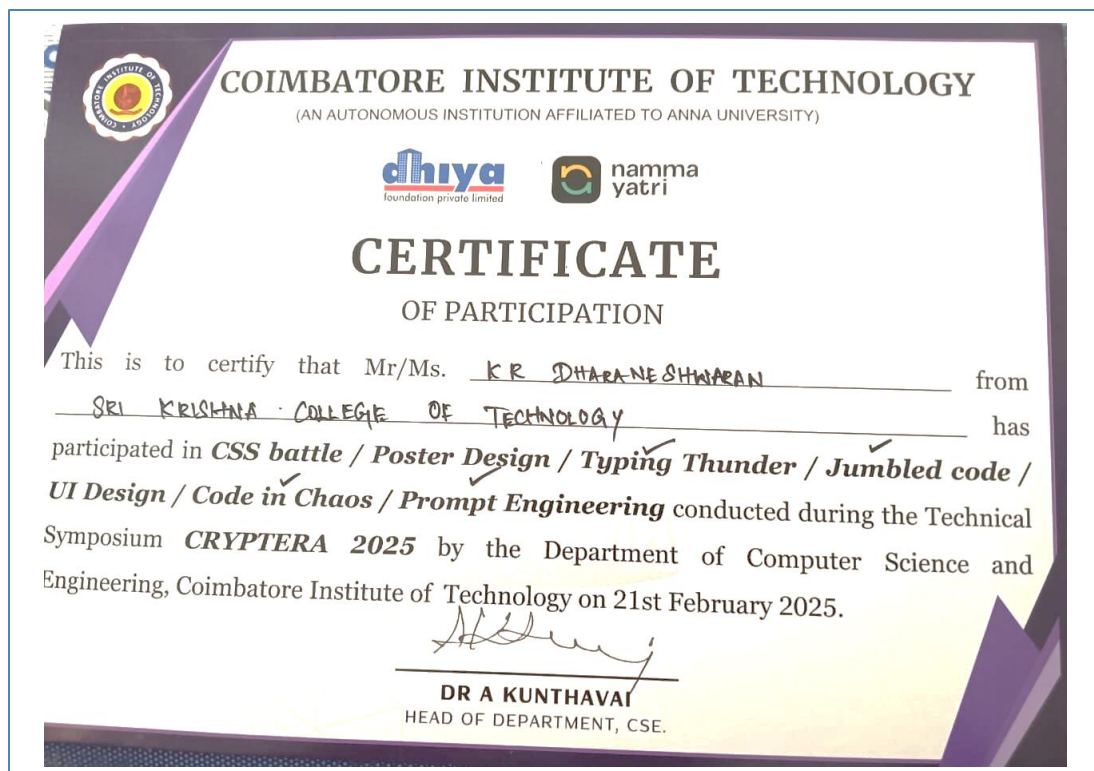


DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENT PARTICIPATION



Mr K R Dharaneshwaran, Student of Second B.E. ECE, participated in the events of “**Typing Thunder, Jumbled Code, Code in Chaos, and Prompt Engineering (CRYPTERA 2025)**” organized by Coimbatore Institute of Technology, Coimbatore on 21 February 2024.

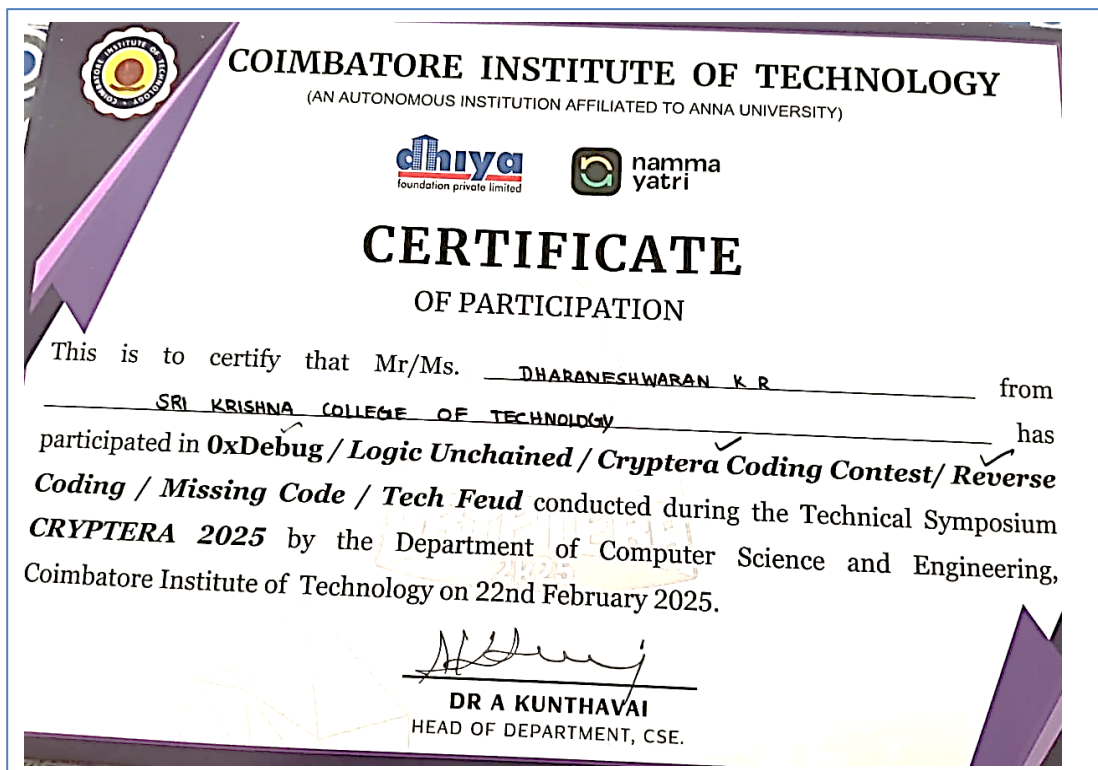


DEPARTMENT OF ELECTRONICS AND COMMUNICATION

STUDENT PARTICIPATION



Mr K R Dharaneshwaran, Student of Second B.E. ECE, participated in the events of “**OXDebug, Cryptera Coding Contest, and Reverse Coding (CRYPTERA 2025)**” organized by Coimbatore Institute of Technology, Coimbatore on 22 February 2024.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

FACULTY PARTICIPATION



Dr P Rajasekar, Professor, attended the AICTE-ATAL FDP on “**Quantum Computing**” organized by Karunya Institute of Technology and Sciences, Coimbatore during 10 - 15 February 2025.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

FACULTY PARTICIPATION



Dr K Bagyalakshmi, Asst. Professor, attended the AICTE-ATAL FDP on “**Sensors and their Applications**” organized by St. Mother Theresa Engineering College during 17 - 22 February 2025.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

FACULTY PARTICIPATION



Dr K Bagyalakshmi, Asst. Professor, attended the FDP on “AI Tools” organized by St. Joseph's College of Engineering, Chennai during 17 - 21 February 2025.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION

GRADUATION GROUP PHOTOS



The momentous occasion celebrated the hard work and dedication of the graduates marking the culmination of their academic journey.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PUBLICATION



Dr S Dilip Kumar, Asst. Professor/EEE, along with **Ms Madhusree K**, **Mr Dyanesh**, and **Mr Madhram M**, Students of EEE Department, successfully presented an article titled **“Multimodal Fault Analysis of AC Motors Using Multi-Sensor Data and ML Algorithms”** at the 2nd International Conference on Multi-Strategy Learning Environment (ICMSLE-2025) held at Graphic Era Hill University, Haldwani, India, on 26th–27th February 2025.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PUBLICATION



Dr Abinaya N S, Asst. Professor/EEE, along with **Mr Bharath S**, **Ms Surekha S S**, **Ms Swarnalakshmi D M**, and **Mr Nithish Balaji A S**, Students of ICE Department, presented an article titled **“Smart Monitoring and Prediction of Industrial Pollution Using IoT and ANN”** at the International Conference on Recent Advancement and Modernization in Sustainable Intelligent Technologies & Applications (RAMSITA 2025), hosted by CSIT, AITR, on 7th–8th February 2025.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PUBLICATION



Dr Suresh K P, Asst. Professor/EEE, published an article titled **“Voice Recognition-Based Energy Efficient Control and Monitoring of Home Appliances Through Android Mobile App Using IoT”** in IEEE Explore (Scopus Indexed) on 27th February 2025.

Voice Recognition based Energy Efficient Control and Monitoring of Home Appliances through Android Mobile App using IoT

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

Sathish Kumar D ; Pazhanimuthu C ; Saravanan G ; Suresh K P ; Chandran G ; Malukannan M [All Authors](#)



Abstract

Document Sections

- I. Introduction
- II. SYSTEM DESCRIPTION
- III. FUNCTION OF THE PROPOSED SYSTEM
- IV. HARDWARE DESCRIPTION
- V. SIMULATION DESCRIPTION AND RESULTS

[Show Full Outline](#)

[Authors](#)

[Figures](#)

Abstract:
The suggested system aims to provide wireless control and monitoring of household equipment using a mobile application. Bluetooth-enabled home appliance monitoring and control is a reliable, low-cost, and simple technique; however, it is limited to a range of ten meters. The Internet of Things (IoT) provides an efficient home automation solution, allowing users to remotely manage household appliances and monitor sensor data via internet connectivity. The system is managed via an Android application created using MIT App Inventor 2, an open-source development tool. This app allows users to control home appliances like lights and fans by utilizing a Firebase web server. The implemented system can be operated via manual switches, the mobile app, or Google Assistant-based voice commands. Validation and verification of the system's functionality were tested using Proteus 8.9 software. The proposed system simplifies wiring structures, reduces implementation costs and security risks, and enhances energy efficiency.

Published in: 2024 International Conference on Emerging Research in Computational Science (ICERCS)

Date of Conference: 12-14 December 2024 **DOI:** 10.1109/ICERCS63125.2024.10895518

Date Added to IEEE Xplore: 27 February 2025 **Publisher:** IEEE

ISBN Information: **Conference Location:** Coimbatore, India

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IEEE Internet of Things Journal
Published: 2019

[An Internet of Things Based Mobile Application for Remote Monitoring and Management of Aquariums](#)
2024 1st International Conference on Trends in Engineering Systems and Technologies (ICTEST)
Published: 2024

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PUBLICATION



Dr Magdalin Mary D, Asst. Professor/EEE, published an article titled “An Innovative IoT-Oriented Dry and Wet Waste Segregation of Municipal Solid Waste Using ARDUINO” in IEEE Explore (Scopus Indexed) on 27th February 2025.

An Innovative IoT-Oriented Dry and Wet Waste Segregation of Municipal Solid Waste using ARDUINO

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

C. Kumar ; Magdalin Mary D [All Authors](#)



Abstract

Document Sections

- I. Introduction
- II. METHODOLOGY
- III. IMPLEMENTATION
- IV. Explanation
- VI. SIMULATION

Show Full Outline ▾

Authors

Figures

References

Keywords

Abstract:

Dynamic increase in municipal waste and disgusting waste disposal has become a matter of concern given the risk of climate change. This paper presents the techniques of segregation of removal of solid waste from the urban city and to lessen the issue of reusing. At present no such system for the detachment of metals, dry and wet so far. This capacity proposes an organized disperse division unit that gives the solution to this issue. The wet and dry limit sensor is utilized to isolate metal trash and make an alarm for finding any noxious gases. Once the container is filled the notification will be sent to the person to collect. The excellence of this work is that the waste recuperation rate is high and the phrasing related with the gamble of confining individual specialists is likewise decreased. A nonexistent approach to changing the landfill the executive's framework by this we are making a stride towards clean India.

Published in: 2024 International Conference on Emerging Research in Computational Science (ICERCS)

Date of Conference: 12-14 December 2024

DOI: 10.1109/ICERCS63125.2024.10895065

Date Added to IEEE Xplore: 27 February 2025

Publisher: IEEE

► ISBN Information:

Conference Location: Coimbatore, India

I. Introduction

The dangers presented by a traditional garbage removal methodology the waste characterization program plans to survive, IR sensor is utilized to

BACK TO RESULTS

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Modeling of Metal-Fill Parasitic Capacitance and Application to On-Chip Slow-Wave Structures

IEEE Transactions on Microwave Theory and Techniques
Published: 2017

Efficient modeling of metal fill parasitic capacitance in on-chip transmission lines

2012 IEEE/MTT-S International Microwave Symposium Digest
Published: 2012

Show More

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PUBLICATION



Mr Harish R, Dr Jaisiva S, and Dr Jeevitha K, Asst.Professors/EEE, published an article titled “Solar Photovoltaic-Based Reduced Multilevel Inverter Using Digital Logic Controller-Based ANN Technique for Reduction of Harmonics” in IEEE Explore (Scopus Indexed) on 25th February 2025.

Solar Photovoltaic Based Reduced Multilevel Inverter Using Digital Logic Controller Based ANN Technique for Reduction of Harmonics

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

R. Harish ; S. Sharmila ; Jaisiva S ; Jeevitha Kandasamy ; D. Sarathkumar ; C. Sakthi Gokul Rajan **All Authors**



Abstract

Document Sections

- I. Introduction
- II. Proposed Model Design
- III. Simulation of multilevel inverter
- IV. Results and Discussions
- V. Conclusion

Authors

Figures

References

Keywords

Abstract:
This article pioneers the solar supplied cascaded multilevel inverter, a cascaded multilevel inverter (MLI) that blends digital logic control with various level control techniques. These days, cascading multilevel are employed in a variety of application domains, including smart grid, grid-tied inverters, industrial driver applications, and charging stations for electric vehicles. The multilayer inverter's fewer switches will aid in lowering the harmonics that arise in the system when a load is connected. The Total Harmonics Distortion (THD) consequently affects the benefits of MLI by the output voltage. Topologically advance control technique is required for the MLI to satisfactory output voltage control. In this work, a different kind of DC source is fed to the Cascaded MLI from the battery source. Here the THD is compared with two methods one is conventional PWM method with 9 level and 7 level with source voltage of 48V, 96V, 196V and the output reduced THD is achieved. The overall simulation is done in MATLAB/ SIMULINK model of the proposed scheme. In the future Neural network techniques can be used for improvement of power quality.

Published in: 2024 5th International Conference on Communication, Computing & Industry 6.0 (C2I6)

Date of Conference: 06-07 December 2024

DOI: 10.1109/C2I663243.2024.10895605

Date Added to IEEE Xplore: 25 February 2025

Publisher: IEEE

► ISBN Information:

Conference Location: Bengaluru, India

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[Total Harmonic Distortion \(THD\) Analysis of 5-Level and 7-Level Cascaded Multilevel Inverters at Different Switching Frequencies](#)
2024 25th International Middle East Power System Conference (MEPCON)
Published: 2024

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PARTICIIPATION



Dr Jaisiva S, Asst. Professor/EEE, successfully completed the one-week ATAL Faculty Development Program on **“The Future of Smart Mobility: Integrating AI and IoT in Electric Vehicle Ecosystems”** organized by Sree Sakthi Engineering College, Coimbatore, from 27th January to 1st February 2025.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PARTICIPIATION



Dr Dhanaselvam J, Asst. Professor/EEE, successfully completed the **one-week Faculty Development Program** on **“AI Tools”** organized by Brainovision Solutions India Pvt. Ltd, from 17th to 21st February 2025.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY ACHIEVEMENT



Dr Sophia Jasmine G, Assoc. Professor/EEE, reviewed articles in the “**International Journal of Applied Power Engineering**”, indexed by Scopus, on 15th February 2025.



Intellectual Pustaka Media Utama

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Institute of Advanced Engineering and Science

CERTIFICATE

No.: 21621/IJAPE/1-R2/II/2025

International Journal of Applied Power Engineering
is hereby awarded this certificate to

Sophia Jasmine

in recognition of his/her contribution as a **Reviewer** of paper ID
21621
in this scientific journal

15 February 2025



Indexed by
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ISSN 2252-8792
<https://ijape.iaescore.com/>



Prof. Dr. Chandima Gomes
Editor in Chief

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY ACHIEVEMENT



Dr Jaisiva S, Asst. Professor/EEE, has been selected as a reviewer for the “**Advances in Science, Technology and Engineering Systems Journal**”, indexed by Scopus, on 24th February 2025.



Advances in Science, Technology and Engineering Systems Journal (ASTESJ)

(ISSN: 2415-6698)

This certificate is awarded to

Jaisiva Selvaraj

jaisiva1990@gmail.com

**Sri Krishna College of
Technology, Coimbatore**

Reviewer Code: **AJR02051**

Issued Date: **24/02/2025**

I am pleased to inform you that you are selected as a Reviewer for Advances in Science, Technology and Engineering Systems Journal that is a well-reputed Journal. The decision has been taken after a keen evaluation of your research experience and scientific vision. Your name is successfully registered under subject codes EEE.

Hope you will be a great asset for us in the future and will work hard with us to promote the Journal. Wish you the best of Luck in your life endeavors.

Regards,



Prof. Passerini Kazmerski
Editor-in-Chief
ASTES Journal
www.astesj.com
editor@astesj.com

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT PARTICIPATION



Mr Vashishdsdh T R, Mr Mohana Sundaram S, Ms Shwetha M, Ms Siva Shankari R, Mr Ravi Raaghav P, and Mr Sri Hari Durgas of Team HEXA HUSTLES, Students of Third Year B.E.EEE, participated in the “2nd Edition of Innovation Design & Entrepreneurship (IDE) Bootcamp 2025” at Jai Bharath College, Ernakulam, from 17th to 21st February 2025.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT PARTICIPATION



Mr Mohamed Aslam H and Ms Meenapriya, Students of Second Year B.E.EEE, participated in the event **“Smart Security: Intrusion Detection in Surveillance”** at National Institute of Technology, Trichy, on 22nd February 2025.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT PARTICIPATION



Mr Dhillip Kumar, Ms Divagini, Mr Harshavardhan, and Ms Libika, Students of Second Year B.E.EEE, participated in a workshop on “AI Networking and Networking for AI” at National Institute of Technology, Trichy, on 22nd February 2025.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT ACIEVEMENT



Batch 2023-27
EEE



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Congratulates



SUDHARSANA S
727823TUEE145

CGPA 9.34



DEEPIKA S J
727823TUEE015

CGPA 8.84



KAVINYATHANYA R
727823TUEE048

CGPA 8.81

for being
ACADEMIC TOPPER OF THE BATCH 2023-27
(till Third Semester)





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VOL 25 - ISSUE 05
JAN 26 - FEB 01, 2025

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT ACIEVEMENT



Batch 2022-26
EEE

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Congratulates



KIRUTHIKA A
727822TUEE049

CGPA 9.08



NISHANTHI R
727822TUEE113

CGPA 9.05



ADITHYA SHARAN S
727822TUEE004

CGPA 8.64

for being
ACADEMIC TOPPER OF THE BATCH 2022-26
(till Fifth Semester)





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SKCT DIGEST
VOL 25 - ISSUE 05
JAN 26 - FEB 01, 2025

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT ACIEVEMENT



Batch
2024-28

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Congratulates



MAHALAKSHMY S
727824TUEE105

CGPA 9.22



PRIYAA DHARSINI S V
727824TUEE123

CGPA 9.17



AJAY KUMAR T
727824TUEE009

CGPA 8.91

for being
ACADEMIC TOPPER OF THE BATCH 2024-28
(in First Semester)





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nirf Band 151-200 Engineering 2024



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SKCT DIGEST
VOL 25 - ISSUE 05
JAN 26 - FEB 01, 2025

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT ACIEVEMENT

Batch 2021-25
EEE



SUSTAINABLE DEVELOPMENT GOALS



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Congratulates



PAVITHRA G
727821TUEE112

CGPA 8.88



APARNA M K
727821TUEE004

CGPA 8.75



LAVANYA S
727821TUEE044

CGPA 8.72

for being
ACADEMIC TOPPER OF THE BATCH 2021-25
(till Seventh Semester)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT PARTICIPATION



The students of the **2020–2024 Batch ICE and EEE** graduated successfully on **1st March 2025**.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT INDUSTRY VISIT



The students of second EEE B, accompanied by **Dr Priyadharshini J** and **Mr Bharaniprakash T**, Asst. Professors/EEE, visited the “**230 kV/110 kV Tamil Nadu Electricity Board Substation**” at **Othakalmandapam**, Coimbatore, on 25th February 2025.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

EVENT ORGANIZED



The Department of EEE conducted a **Guest Lecture** on “**Opportunities in Overseas Education and Employment**” organized by **Mr Arun Sudhakaran**, General Manager, Aham Global Business Pvt. Ltd., Coimbatore, on 24th February 2025.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Organises
A GUEST LECTURE
on
Opportunities in overseas education and employment

Resource Person
Mr. Arun Sudhakaran
General Manager

24-February-2025 | 03:00 PM

Presided by
Dr. Sumithra M G
Principal



DEPARTMENT OF INFORMATION TECHNOLOGY

STUDENT ACHEIVEMENT



Ms Kabila B S, Student of Final Year B.Tech Information Technology, received the **Best Outgoing Student Award** during the **40th SKCT Annual Day Celebration – KEERTHI'25** for the Academic Year **2024–2025**.



DEPARTMENT OF INFORMATION TECHNOLOGY

STUDENT ACHEIVEMENT



Ms Sowndammal R G, Ms Vishmaya, and Ms Sharon Reshma, Students of Third Year, were awarded the Academic Toppers Award during the 40th SKCT Annual Day Celebration – KEERTHI'25 for the Academic Year 2024–2025.



DEPARTMENT OF INFORMATION TECHNOLOGY

STUDENT ACHEIVEMENT



Ms Vishnu Priya G, Mr Jaisuryah K P, Mr Kesav Kumar J, Mr Ram Sundar R, Mr Mahudesh M, and Mr K M Dhayananath were honored for securing **top positions in the NPTEL Examination** during the **40th SKCT Annual Day Celebration – KEERTHI'25** for the Academic Year **2024–2025**.



DEPARTMENT OF INFORMATION TECHNOLOGY

STUDENT ACHEIVEMENT



Mr Navaneethraj K A, Student of Second Year B.Tech IT , won **Third Prize** with a **cash award of ₹1,000** for **“Paper Presentation”** in **“SYNECTICS’25”** organized by Nandha Engineering College, Erode, on 28th February 2025.



DEPARTMENT OF INFORMATION TECHNOLOGY

STUDENT ACHEIVEMENT



Ms Abikavitha, Ms Sahassri T, and Mr Sharukesh D,
Students of Second Year, were awarded
the **Academic Toppers Award** during the **40th SKCT
Annual Day Celebration – KEERTHI'25** for the
Academic Year **2024–2025**



Ms ABI KAVITHA



Ms SAHASSRI T



Mr SHARUKESH D

DEPARTMENT OF INFORMATION TECHNOLOGY

STUDENT ACHEIVEMENT



The academic toppers of 2021-2025 Batch



Ms KABILA B S
727821TUIT045
CGPA:9.53



Ms THAMARAI
727821TUIT146
CGPA:8.98



Ms J K NANDHINI
727821TUIT106
CGPA: 8.96



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DEPARTMENT OF MECHANICAL ENGINEERING

PLACEMENT



Mr S Badrinath, Student of Final Year Mechanical Engineering, got selected in **Rabwin Industries, Coimbatore.**

PLACEMENT SPOTLIGHT



MECH

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727822TUME603

Batch 2021-25/MECH

for getting Placement offer with

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DEPARTMENT OF MECHANICAL ENGINEERING

PLACEMENT



Mr S K Sabareesh, Student of Final Year Mechanical Engineering, got selected in **JSW Industries, Coimbatore.**

PLACEMENT SPOTLIGHT



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Congratulates



SABAREESH S K
727821TUME128

Batch 2021-25/MECH

for getting Placement offer with



DEPARTMENT OF MECHANICAL ENGINEERING

FACULTY PARTICIPATION



Dr V S Sreenivasan, Assoc.Professor, contributed as a Resource Person in the AICTE ATAL FDP on “Biodegradability and Environmental Impact Assessment of Biofibres and Green Composites”.

|ATAL/2025/1740632591

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Nelson Mandela Marg, Vasant Kunj, New Delhi -110070

[AICTE Training and Learning \(ATAL\) Academy](#)**Certificate**

It is certified that *Dr. V S Sreenivasan, Associate Professor of Sri Krishna College of Technology* contributed as Resource Person in AICTE Training And Learning (ATAL) Academy Faculty Development Program on Biodegradability and environmental impact assessment of biofibres and green composites at *SRI KRISHNA COLLEGE OF TECHNOLOGY* from 19/08/2024 to 24/08/2024.

V S SREENIVASAN
Associate Professor Level (AICTE Institute), Coordinator
SRI KRISHNA COLLEGE OF TECHNOLOGY

Dr. Sunil Luthra
Director & Bureau Head
Training and Learning Bureau, AICTE

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENTS PARTICIPATION



Mr Sanjiv, Student of First Year Mechanical Engineering, participated in the “**Expanding Horizons in Solar Energy: PVsyst Workshop**” organized by the College of Engineering Guindy (CEG), Anna University, Chennai.



DEPARTMENT OF MECHANICAL ENGINEERING

FACULTY PARTICIPATION



Dr R B Jeen Robert, Professor, successfully participated and completed the AICTE ATAL FDP on “**Advancement in Green Composites for Potential Applications**” at Builders Engineering College.



DEPARTMENT OF MECHANICAL ENGINEERING

FACULTY PARTICIPATION



Dr Santhosh S, Assoc.Professor, successfully participated and completed the **1-Week FDP** on **“AI Tools”** at Behara College of Engineering and Technology.

BEHARA
COLLEGE OF ENGINEERING AND TECHNOLOGY
Approved by AICTE NEW DELHI & Affiliated to JNTU-DV, Vizianagaram
88th Division, Narava, GVMC, Visakhapatnam, Andhra Pradesh 530027, India
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CERTIFICATE
of participation
ID: NFDP-BBH070

This certificate is proudly awarded to
DR. SANTHOSH S

has successfully Participated in the
One Week National Level **Faculty Development Program on AI Tools** organized by
Behara College of Engineering and Technology

in association with
Brainovision Solutions India Pvt Ltd
in collaboration with
All India Council For Technical Education (AICTE)
During the period of **17th to 21st February 2025.**
We commend your dedication to enhancing your knowledge with **AI TOOLS.**

Chokkapu Narayana Rao
Mr Chokkapu NarayanaRao
Associate Professor & HOD

V Sridhar Patnaik
Dr V Sridhar Patnaik
Principal

Buddha Chandrasekhar
GANESH MADDODDI
Founder & CEO
Brainovision Solutions
India Pvt. Ltd.

Dr. BUDDHA CHANDRASEKHAR
Chief Coordinating Officer- AICTE
All India Council for Technical
Education

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENTS' ACHIEVEMENT



Students of the Mechanical Department were honored with various awards during the 40th SKCT Annual Day Celebration – KEERTHI'25 for the academic year 2024–2025.



MASTER OF BUSINESS ADMINISTRATION

EVENT ORGANISED



The School of Management organized a **Workshop** on **“Financial Statement Analysis”**, facilitated by **Dr S A Gopalakrishnan**, Partner at **GSN Associates**, on 22nd February 2025 for First MBA Students.



MASTER OF BUSINESS ADMINISTRATION

STUDENT ACHIEVEMENT



Ms Srimathi S, Ms Trishala N, and Ms Pavithrasri S, Students of First MBA, SOM, won **First Prize** along with a **cash award** for **“Best Management Team”** at the National Level Management Meet Arthasasthra’25 organized by SNS College of Engineering, Coimbatore, on 28th February 2025.

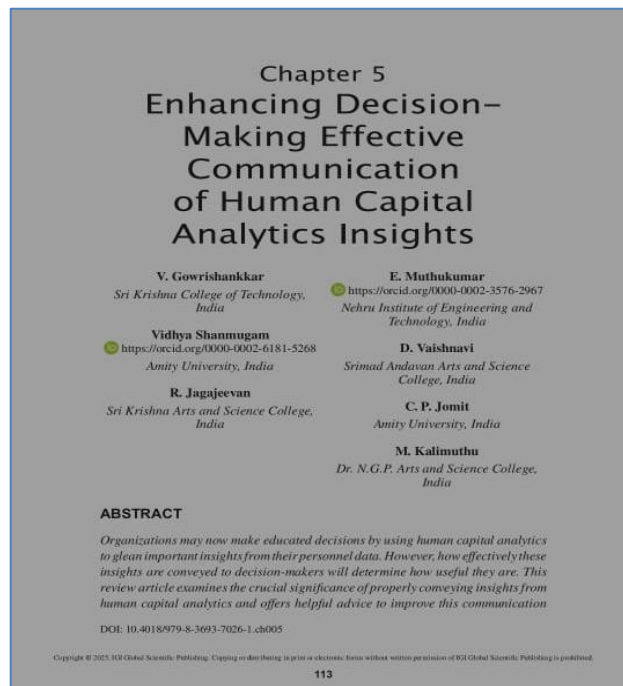


MASTER OF BUSINESS ADMINISTRATION

FACULTY ACHIEVEMENT



Dr Gowrishankkar V, Asst. Professor, SOM, published a **Book Chapter** titled “**Enhancing Decision Making: Effective Communication of Human Capital Analytics Insights**” (Scopus Indexed) with DOI: 10.4018/979-8-3693-7026-1.ch005 in IGI Global Publication.



DEPARTMENT OF SCIENCE AND HUMANITIES

FACULTY PARTICIPATION



Ms S Vishnupriya, Asst.Professor, completed an Online Faculty Development Program on **“Enhancing English Language Teaching through Innovation, Skills Development, and Reflexive Practices”** organized by Excel College for Commerce and Science from 12th to 19th February 2025.



Excel

COLLEGE FOR COMMERCE AND SCIENCE



Approved by Government of TamilNadu & Affiliated with Periyar University, Salem
Pallakkapalayam, Komarapalayam, Namakkal Dt-637 303
Tamilnadu, India



Department of English

CERTIFICATE



This is to certify that Dr/Mr/Ms. Vishnupriya S Assistant Professor of English , Sri Krishna College of Technology , Coimbatore , has participated in the One Week National Level Faculty Development Programme on *“Enhancing English Language Teaching through Innovation, Skill Development and Reflective Practices”* organized by the Department of English, Excel College for Commerce and Science, Komarapalayam from 12.02.2025 to 19.02.2025.

M. Suresh
Mr.M.Suresh
Convenor
HoD - English

K. Manjula
Dr.K.Manjula
Programme Head
School of Arts and Science

R. Vimal Nishant
Dr.R.Vimal Nishant
Principal

Certificate ID E2K9KM-CE000061

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nirf Band 151-200 Engineering 2024



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DEPARTMENT OF SCIENCE AND HUMANITIES

FACULTY PARTICIPATION

Ms V Tharakeswari, Asst.Professor, completed an online course on “Probability Distributions: Uniform, Binomial, & Poisson Distributions” through Infosys Springboard.



||| COURSE COMPLETION CERTIFICATE |||

The certificate is awarded to

Tharakeswari V

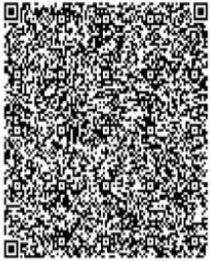
for successfully completing the course

Probability Distributions: Uniform, Binomial, & Poisson Distributions

on February 13, 2025



Congratulations! You make us proud!



Issued on: Friday, February 14, 2025
To verify, scan the QR code at <https://verify.onwingspan.com>

Thirumala Arohi
Executive Vice President and Global
Education, Training & Assessment (I)
Infosys Limited

DEPARTMENT OF SCIENCE AND HUMANITIES

FACULTY ACHEIVEMENT



Ms H Shubajoythi, Assistant Professor, presented a paper titled **“Fuzzy Lamax Distribution-Based Reliability Sampling Plan: A Moral Approach for Uncertainty Modelling”** at the CSIR & TNSCST Sponsored International Conference held at Kongu Engineering College on 21st–22nd February 2025.



DEPARTMENT OF SCIENCE AND HUMANITIES

FACULTY ACHEIVEMENT



Dr N Nalini, Asst.Professor, acted as a **Doctoral Committee Member** at Kumaraguru College of Technology on 26th February 2025.



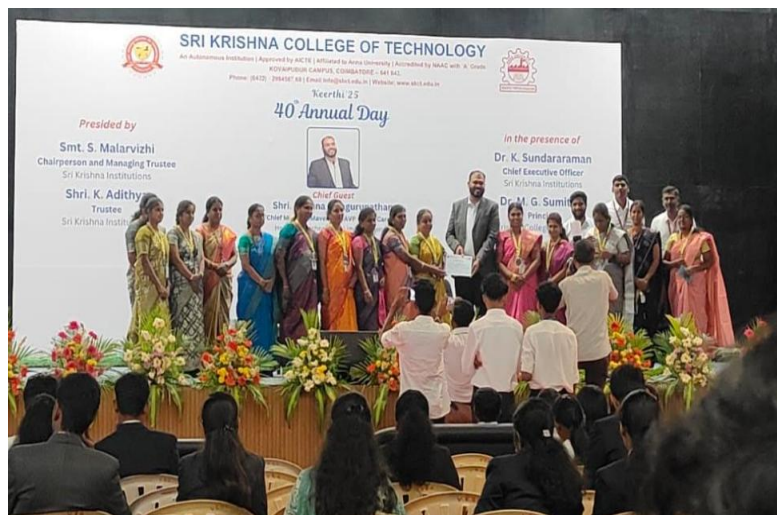
DEPARTMENT OF SCIENCE AND HUMANITIES

FACULTY ACHEIVEMENT

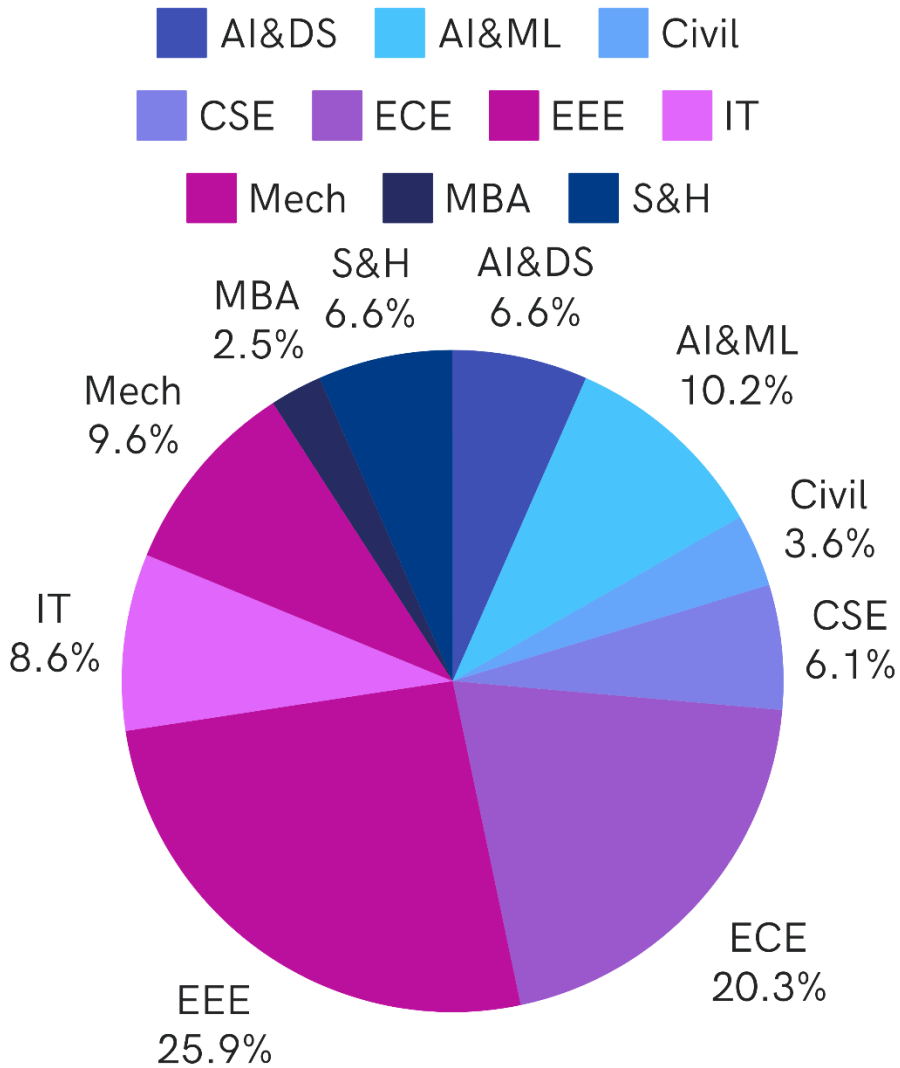


The Department of Science and Humanities won an **award in Throw Ball** and received **a medals in Sports Day 2025**. The following faculties contributed to this achievement:

- **Ms H Shubajoythi**
- **Dr T Bhavani**
- **Dr Roselyn Besi**
- **Dr N Nalini**
- **Ms Tarageshwari**



CONTENT CONTRIBUTIONS BY THE DEPARTMENTS



CHIEF EDITOR

Dr M G Sumithra
Principal

DESIGN & CONTENT EDITORS

Mr M K Prabhu
Assistant Professor
Mechanical Engineering

Ms B Pavithra
Assistant Professor
English

DEPARTMENT COORDINATORS

- Ms P Deepa, AP/ADS
- Ms S Priyadharsini AP/IoT
- Ms A Gomathy, AP/CSE
- Ms K Mythili, AP/IT
- Mr K M Manoj, AP/Civil

- Mr G Santhakumar, AP/ECE
- Mr Ajith B Singh, AP/EEE
- Mr K Senthil Kumar, AP/Mech
- Ms S Jaya Preethi, AP/MBA
- Dr B Kogilavani, AP/English

STUDENT EDITORS

Mr Mathan Raj S
I B.E. CSE (CYS)

Ms Aparna Sulochana N
I B.Tech. (ADS)

Mr Riyash D
I B.E. CSE (CYS)

Mr Nithin S
I B.E. CSE (CyS)

Mr R Yashwanthraja
III B.E. Mechanical Engineering

Mr T Lokesh
IV B.Tech. ADS



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