

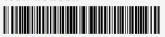


## College of Technology

An Autonomous Institution Affiliated to Anna University and Approved by AICTE Accredited by NAAC with 'A' Grade KOVAIPUDUR CAMPUS, COIMBATORE - 641 042.

**VOL 24 - ISSUE 22** 10 NOV - 17 NOV 2024





978-93-5895-815-7

"Successful people begin where failures leave off. Never settle for 'just getting the job done.' Excel!" - Tom Hopkins

#### **Contact Us**

0422-2984567 - 68 Kovaipudur,

Coimbatore - 641 042.















#### **CII-EDU-TECH EXPO 2024**

The Secretary of the Higher Education Department, **Mr K Gopal** presented the first copy of the joint CII-KPMG report on **"Emerging Trends in Higher Education"** to **Smt S Malarvizhi**, the Chairperson and Managing Trustee, Sri Krishna Institutions during the inaugural session of CII-Edu-Tech Expo 2024.



Tamil Nadu Leads in Higher Education with CM's Research Grant and Industry-Ready Focus at CII Edu-Tech Expo 2024

At CII Edu-Tech Expo 2024 in Coimbatore, Tamil Nadu's Additional Chief Secretary highlighted the state's initiatives in higher education, including the CM's Research Grant and focus on industry-ready graduates, reflecting the state's commitment to educational excellence.



# www.thehindu.com

# Research Parks planned in State universities to bridge industry-academia gap

T.N. is in the forefront of higher education with 50% gross enrolment ratio; real-world projects can be undertaken through the research park, says K. Gopal, Secretary of Higher Education Dept.

#### The Hindu Bureau COIMBATORE

xpressing the commitment of the State Government to implement outcome-based learning, Secretary Higher Education Department K. Gopal informed in Coimbatore on Friday that research parks would be established in State universities to foster academia-industry collaboration.

Real-world projects could be undertaken through the research parks, Mr. Gopal said, while highlighting the integration of technology into education to equip students for industry requirements, and tracking of their progress.

Addressing the inaugural session of the maiden CII Edu-Tech Expo 2024 of the Confederation of Indian Industry Southern Region, and the eighth edition of its National Higher Education Conclave, the Higher Education Secretary said Tamil Nadu was in the forefront of higher education with 50 % Gross Enrolment Ratio.

Tamil Nadu, he said, has partnered with technology leaders to impart expertise



Secretary of Higher Education Department K. Gopal hands over first copy of the joint report by CII-KPMG on Emerging Trends in Higher Education to S. Malarvizhi, Chairperson and Managing Trustee, Sri Krishna Institutions, during the inaugural session of CII Edu-Tech Expo 2024 in the city on Friday. M. PERIASAMY

in Industry 4.0, Artificial Intelligence, Robotics, Cloud Computing and Soft Skills, to develop digitallyempowered workforce, Mr. Gopal said.

Rajesh Varrier, Executive Vice-President, Global Head of Operations, and Chairman and Managing Director, Cognizant India, emphasised on bridging the industry-academia gap by involving industry experts in framing curricula, train the trainers programme for faculty, and internship programmes for students. The industry looks for skills than degrees. Institutions could consider opening up opportunities for life-long learning for alumni, Mr. Rajesh suggested.

The Higher Education Secretary handed over the first copy of the joint report by CII-KPMG on **Emerging Trends in Higher** Education to S. Malarvizhi, Chairperson and Managing Trustee, Sri Krishna Institutions.

Providing insights into the report earlier, Narayanan Ramasamy, Partner, KPMG, explained how Artificial Intelligence has brought about a change in the education landscape through personalised approach and breaking language barriers.

The report underscores the utility of Immersive Learning Experience, Augmented Reality, Virtual Reality, Block Chain Network, and Gamification in bridging the industry-academia gap, Mr. Narayanan said.

R. Nandhini, Chairperson, CII Edu-Tech Expo 2024, CII Southern Region and Founder Trustee, GRG Trust; Shankar Vanavaravar, Past Chairman, CII Tamil Nadu and President, Kumaraguru Institutions; and K. Senthil Ganesh, Immediate Past Chairman. CII Coimbatore Zone and Managing Trustee, RVS Group of Institutions, also addressed the inaugural session, which was followed by four technical sessions on future of higher education, emerging trends, nurturing industryreadiness, and commercialisation of intellectual properties.











SKCT DIGEST

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## INSTITUTION OF HAPPINESS BY QS I - GAUGE 2024-2025

\*! Spreading Smiles, Shaping Futures! \*
Sri Krishna College of Technology is proud to be recognized as an *Institution of Happiness* by QS I-GAUGE for 2024-2025.





# SRI KRISHNA COLLEGE OF TECHNOLOGY

is recognised as



Institution Of Happiness

by



for the year 2024-2025

#### Moment to rejoice!





"Our Sincere Thanks to all Stakeholders"

14.11.2024 | Bengaluru















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#### **NPTEL OCTOBER 2024 RESULTS**





Status	Count
Successfully Completed	16
Elite	26
Elite + Silver	8
Topper	2

Category	Details
Total No. of Learners Registered	1,679
No. of Students Placed in the Block List	5
No. of Absentees	185
Total No. of Learners Appeared (September)	1,489
Total No. of Courses Appeared	64
No. of Courses with Results Published	10
No. of Courses with Results Pending	54
No. of Learners with Published Results	65
No. of Learners Who Failed	15
No. of Learners Who Completed Courses	50











#### **INDIA'S YOUNG POTENTIAL LEADER**

Mr Dyanesh S, Student of Final B.E. EEE, has been honored as the "India's Young Potential Leader" by International Connector, USA and the Hague. His exceptional journey, vision and leadership qualities have earned him a place in the global spotlight. Mr Dyanesh's inspiring story on Make it Sustainable, has been featured in Your Big Year article on Medium, highlighting his commitment to meaningful and sustainable change. He has been selected as the representative of India and a distinguished leader by the International Connector organization.



















#### **SKCT – TRAFFIC REGULATION AWARD**

Sri Krishna College of Technology received a Certificate of Appreciation for "Diwali Traffic Regulation" from Coimbatore City Police in collaboration with the Uyir Club. Mr K Mohan, Asst. Professor and Coordinator of Uyir Club, along with the Student Team have been recognized for their outstanding contribution.















#### **NATIONAL HIGHER EDUCATION CONCLAVE 2024**

#### **Faculty Participation**

Dr Jeen Robert R B, Dr J Jency Joseph, Dr S Dilip Kumar and Dr V Sathish Kumar, the Members of Faculty, participated in the "National Higher Education Conclave 2024 – 8th Edition" organised at the CODISSIA Complex, Coimbatore on 15 November 2024.





























#### ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

#### **Students' Participation**

Mr Deepak R and Mr Ragunath, Students of Third B.Tech. ADS, participated in a Three-day workshop on "Mastering the Art of React and Redux."























SKCT DIGEST

**VOL 24 - ISSUE 22** 10 NOV - 17 NOV 2024

#### ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

#### **Student Participation**

Mr Adish A, Student of Third B.Tech. published a journal paper on Analysis" the International Journal in Multidisciplinary Research.



#### International Journal for Multidisciplinary Research (IJFMR)

E-ISSN: 2582-2160 • Website: www.ijfmr.com Email: editor@ijfmr.com

#### AI in Data Analysis

#### Adish A

Student, Artificial Intelligence and Data Science, Sri Krishna College of Technology

#### Abstract

Welcome to the inaugural issue of AI Insights, a groundbreaking journal at the forefront of exploring the symbiotic relationship between artificial intelligence (AI) and data analysis. In this inaugural edition, we embark on a journey to unravel the transformative potential of AI-driven approaches in extracting actionable insights from complex datasets. Through a combination of theoretical discussions, practical applications, and visionary outlooks, this journal aims to chart a new course in the field of data analysis.

#### Introduction

Welcome to the inaugural issue of AI Insights: A New Frontier in Data Analysis. In this groundbreaking journal, we embark on a journey to explore the transformative potential of artificial intelligence (AI) in revolutionizing the landscape of data analysis. As AI continues to permeate every aspect of our lives, its integration with data analysis heralds a new era of innovation, discovery, and insight extraction. Through a multidisciplinary lens, we aim to unravel the complexities, opportunities, and challenges at the intersection of AI and data analysis, charting a course toward a future where data-driven decision-making is more intelligent, efficient, and impactful than ever before.

The editorial of this issue delves into the significance of AI-driven data analysis, outlining the rationale behind launching AI Insights and setting the tone for the articles to follow. It highlights the growing importance of AI in addressing the challenges of big data, the emergence of novel AI techniques, and the need for ethical considerations in AI adoption. The editorial also introduces the themes and topics covered in this issue, inviting readers to explore the diverse perspectives and insights shared by leading experts















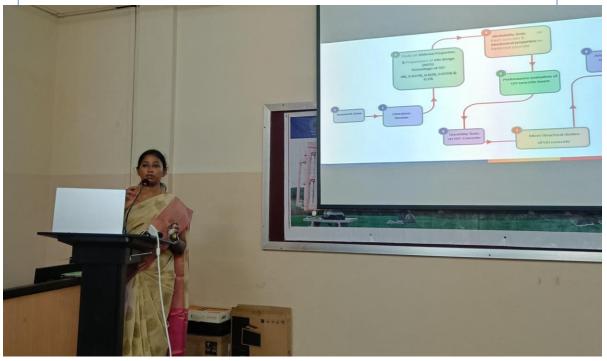
#### **CIVIL ENGINEERING**

## **Faculty Achievement**

Ms G Selina Ruby, Asst. Professor, defended her thesis on "Effect of Graphene Oxide on the Performance of Concrete."



#### Dr G Selina Ruby













#### **CIVIL ENGINEERING**

#### **Faculty Achievement**

Dr V Sreevidya, Professor and Head, published an article on "Drought Vulnerability Assessment Using GIS and Remote Sensing Technique: A Case Study in Part of Coimbatore, Tamil Nadu, India" in the Journal of the Indian Society of Remote Sensing (Q2, SCI Journal), published by Springer.



Dr V Sreevidya

Drought Vulnerability Assessment Using GIS and Remote Sensing Techniques: A Case Study in Part of Coimbatore, Tamil Nadu, India

S. Krishnakumar 10 · V. Sreevidhya 2 · S. Vivek 3 · V. Priya 3

Received: 18 April 2023 / Accepted: 16 October 2024 © Indian Society of Remote Sensing 2024

#### **Abstract**

This study used integrated GIS and remote sensing data to forecast the spatiotemporal drought risk regions facing agriculture and meteorology in part of Coimbatore. The Coimbatore region's drought evaluation was divided into two categories: agricultural drought and meteorological drought. Normalized Difference Vegetation Index (NDVI) and Vegetation Condition Index (VCI) were used to measure drought in agriculture. Due to yearly rainfall patterns and the standard precipitation index (SPI), resultant meteorological drought assessment. In addition to the standardized precipitation indicator, which is based on meteorology and is used as a meteorological drought index, For Agriculture drought risk has been assessed using Landsat 8 OLI/TIRS and 7 ETM+temporal images based on Normalized Difference Vegetation Index and Vegetation Condition Index for the years 2000 and 2020. Finally, utilizing NDVI, VCI, seasonal rainfall, and SPI values together with a weighted overlay approach, maps of the spatial-temporal drought risk were created. Land use and land cover changes were also carried out in this study. Comparing the drought changes depending on the patterns of land use and cover between 2000 and 2020. The comparison findings show that terrain modification rapidly, which leads to drought in that region, develops when land is being developed like built-up areas, Industries and other human made activities by deformation of Crop Land, Plantation, Water body, and Forest. As a result, the drought risk can be precisely calculated by integrating a number of parameters shows where the areas are most severely impacted by the drought in 2000 were Sultanpet, Singanallur, Thalakkarai, Sethumadai, Kariyambalayam, Koolarpatti, and Kuniyamuthur, Some regions like Karumathampatti, Sulur, Singanallur, Sultanpet, Sulur, Singanallur, Sultanpet, Sulur, Singanallur, Sultanpet, Sulur, Singanallur, Sultanpet, Sulur, Singanallur, Sulur, Singanallur, Sulur, Sulur amuthur, Kinathukadavu, Periya Negamam, Pollachi, Anaimalai, Kottur, and Aliyar are affected by drought in the year of 2020. Overall, the Coimbatore region's land use and land cover patterns have changed, which has increased the region's vulnerability to drought from 2000 to 2020.











#### **CIVIL ENGINEERING**

## **Faculty Certification**

Mr Manoj K M, Asst. Professor, has been awarded with the ELITE Certification for the course on "Indoor Air Pollutants: Sources, Effects, Monitoring, Control, and Modelling" offered by IIT Hyderabad.

















#### **CIVIL ENGINEERING**

## **Student Achievement**

Mr Mugesh S, Student of Final B.E. Civil Engineering, has been selected for the position of "Engineering Management Services Trainee (EMS)" at SPIC/Greenstar, Tuticorin.



Mr Mugesh S











#### **CIVIL ENGINEERING**

#### Students' Achievement

Mr Gokul Raj R and Mr Karthikeyan K, Students of Final B.E. Civil Engineering, has been selected for an Internship in Wet Shield Waterproofing Solution, Bangalore with a stipend of Rs. 1.8 LPA.















#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **Placement**

Ms K S Subhashini and Ms S Aishwarya, Students of Final B.E. ECE, received the placement offer from "Cognizant."



SUBHASHINI K S 727821TUEC232 Batch 2021-25/ECE



AISHWARYA S 727821TUEC008 Batch 2021-25/ECE

for getting placement offer with













#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **Faculty Online Certification**

**Dr M Thillai Rani,** Assoc. Professor, completed a 12-week course on "**Digital VLSI Testing with Elite Certification (Top 5% Topper)**" offered through NPTEL.















## **ELECTRONICS AND COMMUNICATION ENGINEERING**

## **Faculty Online Certification**

**Mr G Santhakumar,** Asst. Professor, completed a 4-week course on "Introduction to Generative AI" offered through Coursera.















#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **Guest Lecture**

Mr V Suresh Babu, Asst. Professor, delivered a guest lecture on "Signals and Systems" for the Students of ECE, United Institute of Technology, Coimbatore on 08 November 2024.















## **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **Faculty Publication**

Dr P Divya, Asst. Professor, published a research article on "Hybrid Machine Learning Approach for Early Stroke Prediction in Elderly People" in the of Communication on Applied Nonlinear iournal Analysis, Vol. 32, Issue 2, 2024.

1 of 9 pplied Nonlinear Analysis

Vol 32 No. 2s (2025)

Hybrid Machine Learning Approach for Early Stroke Prediction in **Elderly People** 

 $Dr.P.Divya^1, Dr.K.Lakshmi\ Prabha^2, Dr.B.Aruna\ Devi^3, V.Vinoth\ Kumar^4, K.Balaji^5, Dr.$ 

pr.P.Divya<sup>1</sup>, Dr.K.Lakshmi Prabha<sup>2</sup>, Dr.B.Aruna Devi<sup>3</sup>, V.Vinoth Kumar<sup>4</sup>, K.Balaji<sup>5</sup>, Dr.C.Ezhliazhagan<sup>6</sup>, Dr.R.Senthil Ganesh<sup>7</sup>

<sup>1</sup>Assistant Professor, ECE, 87 Krishna College of Technology, Coimbatore, Email: p.divya@sket.edu.in

<sup>2</sup>Head & Associate professor, Department of ECE (ACS), Chennai institute of technology, Kundraduar,

<sup>2</sup>Professor, Department of ECE, Vol Tech Rangarajan Dr. Sagunshala R&D Institute of Science and

Technology, Chennai, Email:ecivinoth@gmail.com

<sup>3</sup>Assistant professor, Department of ECE, Vol Tech Rangarajan Dr. Sagunshala R&D Institute of Science and

Technology, Chennai, Email:ecivinoth@gmail.com

<sup>4</sup>Assistant professor, Department of AIADS, Sit Krishna College of Engineering and Technology, Coimbatore

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\*Assistant Professor, Department of ECE, Vol Tech Rangarajan Dr. Sagunshala R&D Institute of Science and

Technology, Chennai, Email:ecihisang20@gmail.com

<sup>3</sup>Associate Professor, Department of ECE, Vol Technain College of Engineering and Technology, Coimbatore

drsenthilganesh@gmail.com

Received: 11-09-2024 Accepted: 28-10-2024

Abstract:

Stroke represents a significant global health challenge, often leading to severe disabili mortality. The timely prediction and intervention of stroke are paramount in enh patient outcomes and reducing healthcare burdens. This project proposes a me learning-based approach to predict stroke risk using multi-modal biosignals, speci electrocardiogram (ECG) data. By leveraging advanced algorithms, me Convolutional Neural Networks (CNNs) and Long Short-Term Memory (LSTM) net Convolutional Neural Networks (CNNs) and Long Short-Term Memory (LSTM) net Abnormal, Eschenic, and Hemorrhagic. The study utilizes a comprehensive consisting of ECG signals and incorporates techniques for data preprocessing, salancing, and feature extraction. The predictive model is trained and vulidated using evaluation metrics, including accuracy, precision, recall, and F1-score. The funderscore the efficacy of the proposed system in providing real-time strok assessments, offering a cost-effective alternative to traditional diagnostic me learning, highlighting its potential for continuous patient monitoring and early detect stroke symptoms. By creating a user-friendly interface for healthcare professiona patients, the system aims to facilitate prompt decision-making and intervention, utili improving the overall quality of care for individuals at risk of stroke

Kwyworks: Extoke, electrocardiogram (ECG), convolutional Neural Networks (C

Keywords: Stroke, electrocardiogram (ECG), Convolutional Neural Networks (CNNs) Convolutional Neural Networks (CNNs), diagnostic methods.

#### INTRODUCTION

Stroke is a leading cause of death and long-term disability, making timely prediction and intervention crucial for improving patient outcomes. Advances in wearable technology and machine learning provide new opportunities for real-time health monitoring and predictive analytics. By leveraging these innovations, we can enhance the accuracy of stroke risk assessments and empower individuals to take proactive health measures. This project aims to develop a machine learning-based system for stroke prediction using ECG data from wearable devices, ultimately facilitating early detection and intervention [1]. The early prediction and intervention of stroke are essential for enhancing patient













#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **Faculty Online Certification**

Dr M Thillai Rani, Assoc. Professor, completed a 12-week course on "Electronic Systems Design: Hands-On Circuits and PCB with Elite + Silver Certification" offered through NPTEL.















#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **Faculty Online Certification**

Mr M Arunkumar, Asst. Professor, completed the courses on "Cybersecurity (CC): Core Security Principles and Risk Management" and "Certified in Cybersecurity (CC): Incident Response" offered through Infosys Springboard.

















#### **ELECTRICAL AND ELECTRONICS ENGINEERING**

#### **Faculty Publication**

Magdalin Mary, Asst. Professor, published research article on "A Modified 2:1 Multiplexer based Ternary ALU for IoT Applications" in the Journal of Engineering Science and Technology Review on 09 November 2024.



Journal of Engineering Science and Technology Review 17 (5) (2024) 104-109

Research Article

JOURNAL OF Engineering Science and Technology Review

A Modified 2:1 Multiplexer-Based Low Power Ternary ALU for IoT Applications

S. Allwin Devaraj<sup>1,\*</sup>, D. Magdalin Mary<sup>2</sup>, P. Kannan<sup>1</sup>, S. Esakki Rajavel<sup>3</sup>, Cynthia Anbuselvi Thangaraj4, K. B. Gurumoorthy5 and Blanie Scrimshaw William6

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"Department of Electronics and Communication Engineering, SEA College of Engineering and Technology, Bengaluru-560049, Karnataka, India

"Department of Electronics and Communication Engineering, KPR Institute of Engineering and Technology, Coimbatore-641407, Tamilnash, India

imminiani, initia.

\*Department of Computer Science and Engineering, Rohini College of Engineering and Technology, Kanyakumari-629401, Tamilna India.

Received 27 March 2024; Accepted 13 October 2024

#### Abstract

The ternary logic has a benefit over the binary logic which provides a secured solution to achieve a trade-off between the area and power of the design. However, from the structure of the ternary Aritmetic Logic Unit (ALU), it is clear that its architecture increases the area, propagation delay, and power consumption. To overcome this drawback, a loopback algorithm is proposed to achieve low power and high throughput Internet of Things (167) processors. The loopback algorithm reduces the number of processing stages in multipliers and adders which can significantly reduce area and power dissipation. The proposed 21 multiplexer-based approach reduces the need for a decoder and results in low power consumption. The proposed design will be implemented in Xilinx ISE 13.0 and simulation will be done in Modelsim. The modified Ternary ALU (TALU) performs finer than the previous TALU method. The number of registers used in this architecture is reduced by up to 25% than the existing system therefore there is a reduction in power dissipation.

Keywords: TALU, OR, EXOR, Multiplexer, Delay, Power Consumption

Digital signal processor plays a significant role in electronic devices, biomedical applications, communication protocols, LTE devices, etc [1-3]. Efficient IC design is a key factor to achieve low power and high throughput IP core development for portable and LPD [4]. Internet of Things plays a ror portation and LTD [4]. Internet of Imings plays a significant role in real-time computing and processing [5-7]. Now that every object can be connected to the internet. These devices range from ordinary household objects to industrial tools but area overhead and power consumption are major drawbacks to achieving efficient design constraints. In modern society, the most important

an earlier paper, based on the pipelined technique the TALU designs are built. It makes the design more complex because of the usage of area and the processing stages. To overcome the drawbacks in the previous works the proposed design uses the loopback algorithm so that there will be a reduction in area and consumption of power and also reduction in the complex designs and the compacting least ILS. reduces the interconnection and the computational costs [15-16] The loopback technique stores the data in the memory and gives it as output when it is needed so there is a reduction in the processing stages than the previous method. It uses a 2:1 multiplexer-based technique so there will be a reduction in the decoder and to make the arithmetic circuit implement effectively [17-18].













## **ELECTRICAL AND ELECTRONICS ENGINEERING**

## **Faculty Certification**

Ms Jeevitha K, Dr Lijo Jacob Varghese and Mr Harish R, the Members of Faculty, completed online certification course on "Fundamentals of Al and ML" through Infosys Springboard.

















#### **ELECTRICAL AND ELECTRONICS ENGINEERING**

## **Faculty Certification**

Dr Jaisiva S, Dr Sophia Jasmine G, Mr Bharaniprakash T, Mr Harish R and Dr Dilipkumar S, the Members of Faculty, completed online certification course on "Deep Learning with PyTorch: Generative Adversarial Network" through Coursera.















#### **ELECTRICAL AND ELECTRONICS ENGINEERING**

## **Faculty Certification**

Mr Harish R, Asst. Professor, completed online certification course on "Tools of the Trade: Linux and SQL" through Coursera.















## **ELECTRICAL AND ELECTRONICS ENGINEERING**

#### **Faculty Participation**

Dr Jency Joseph J and Dr Dilipkumar S, the Members of Faculty, attended "CII National Higher Education Conclave" at Coddissia Trade fair complex, Coimbatore during 15-16 November 2024.











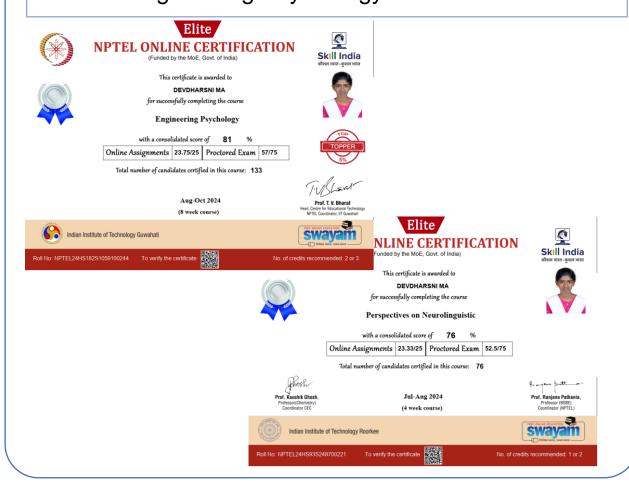




#### **ELECTRICAL AND ELECTRONICS ENGINEERING**

#### **Student Certification**

Ms Devadharshini M A, Student of Final B.E. ICE, completed two online certification courses on "Engineering Psychology" and "Perspectives on Neurolinguistic" through NPTEL and secured Top Rank in Engineering Psychology.















## **INFORMATION TECHNOLOGY**

#### **Placement**

**Ms Kabila B S** and **Mr Harish Kumar AV**, Students of Final B.Tech. IT, placed in "Experian."



Ms Kabila B S



Mr Harish Kumar A V











## **INFORMATION TECHNOLOGY**

#### **Student Online Certification**

Ms Sjeea Begam S, Student of Second B.Tech. IT, completed the following courses through Infosys Springboard:

- Figma Training 2022
- ReactJS
- Programming Fundamentals : Command Line Interface & Operating System Commands

















#### **INFORMATION TECHNOLOGY**

#### **Student Online Certification**

**Mr T P Sudharsan**, Student of Second B.Tech. IT, completed the following courses through Infosys Springboard:

- React Web Developer Certification
- CSS3, C++17 STL Solutions
- C++: Working with Associative Containers & Algorithms
- Java OOPs Concepts
- Java Features

















#### **INFORMATION TECHNOLOGY**

#### **Student Online Certification**

**Mr Vishal Kanna V S,** Student of Second B.Tech., completed the following courses through Coursera:

- Differential Equations for Engineers
- Getting started with Microsoft Excel
- Prepare, Clean, Transform, and Load Data using Power BI
- Using probability distributions for real world problems in R
- Create IT Diagrams with Lucid Chart
- ChatGPT for Beginners: Using AI for Market Research













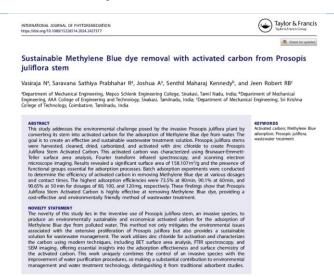




#### **MECHANICAL ENGINEERING**

#### **Faculty Publication**

**Dr R B Jeen Robert, Professor, published an article on** "Sustainable Methylene Blue Dye Removal with Activated Carbon from Prosopis Juliflora Stem" in International Journal of Phytoremediation (Q1, Journal) with an Impact Factor of 3.1 and published by Taylor & Francis Group, IIC.



Introduction

Activated carbon is widely used for the purification of contaminants in both liquid and gaseous phases in a variety of applications, including drinking water treatment (Reza et al. 2020; Wiler at al. 2021; Act is commonly made from carbon-rich materials (Kielbasa et al. 2022; Naji and 1) (2022; Naji and 1) (2022; Naji and 1) (2022; Naji and 1) (2023; Naji and idisrupts biodiversity and infiltrates whildlie results are significant environmental threats to pastoral and 2023; Naji and 2023; Naji and 1) (2023; Naji and 1) (2023;

CONTACT Jeen Robert RB (5) jeenrobert.rb@skct.edu.in (5) Department of Mechanical Engineering, Sri Krishna College of Technology, Coimbatore - 641042, Tamilnadu, India.















SKCT DIGEST

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#### **MECHANICAL ENGINEERING**

#### **Faculty Participation**

Dr R B Jeen Robert Professor, attended a Five-day FDP on "Metal Additive Manufacturing from Advances to Adaptability" organised by St Joseph's Institute of Technology, Chennai.



This certificate is proudly presented to Prof. Dr.R.B.JEEN ROBERT

Professor, Department of Mechanical Engineering,
Sri Krishna College of Technology, Kovaipudur, Coimbatore, 641042
for participating in a Five days online FDP on "METAL ADDITIVE
MANUFACTURING: FROM ADVANCES TO ADAPTABILITY" organized by the
Department of Mechanical Engineering from 4<sup>th</sup> to 8<sup>th</sup>, November 2024.

Dr. S. Arivazhagan, M.E, Ph.D.,



Dr. D. Elil Raja, M.E, Ph.D.,

Professor and Head,
Mechanical Engineering















#### **MASTER OF BUSINESS ADMINISTRATION**

#### **Student Achievement**

**Ms Keerthi S,** Student of Second MBA, completed a course on "**HR Analytics**" offered through NPTEL with a consolidated score of 91%.















#### **MASTER OF BUSINESS ADMINISTRATION**

#### **Student Achievement**

**Mr Libaran N,** Student of Second MBA, completed a course on "**HR Analytics**" offered through NPTEL with a consolidated score of 88%.

















# **MASTER OF BUSINESS ADMINISTRATION**

#### Students' Certification

Mr Sahil B Parikh, Mr Gurunath L and Mr Nishanth Vannan, Students of Second MBA, completed a course on "Strategic Management for Competitive Advantage" through NPTEL.













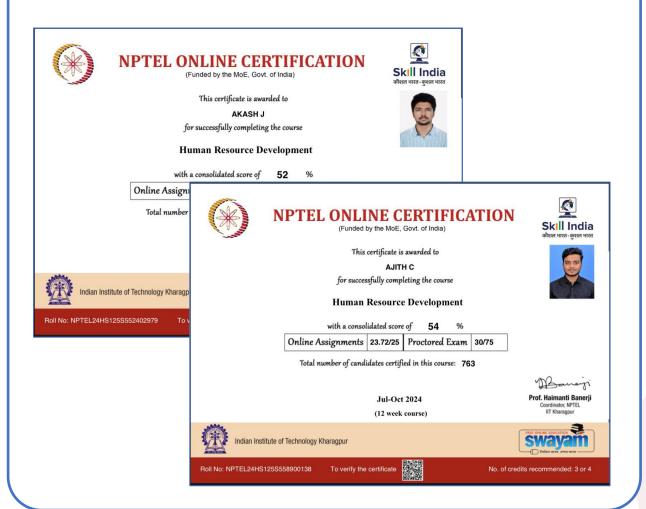




### **MASTER OF BUSINESS ADMINISTRATION**

#### Students' Certification

Mr Akash J and Mr Ajith C, Students of Second MBA, completed a course on "Human Resource Development" through NPTEL.

















## **MASTER OF BUSINESS ADMINISTRATION**

# **Event Organised**

The School of Management organised a event on "Idea to Empire" as a part of the celebration of National Entrepreneurship Day on 09 November 2024.





















### **MASTER OF BUSINESS ADMINISTRATION**

# **Event Organised**

The School of Management organised CEO Talk on "Making Yourself Relevant All the time" facilitated by CA C N Ashok, MD, Autoprint Machinery Manufacturing Pvt. Ltd., Former CII President Coimbatore Zone on 15 November 2024.





















### **SCIENCE AND HUMANITIES**

# **Faculty Participation**

**Dr N Nalini,** Asst. Professor, participated in a Two-day seminar at Arasu Group of Institution, Karur.



Ms P Jinsha, Asst. Professor, completed a course on "Deep Learning with Pytorch: Generative Adversarial Network" on 08 November 2024.















## **SCIENCE AND HUMANITIES**

# **Faculty Achievement**

**Dr N Venugopal**, Assoc. Professor, served as a **Subject Expert - English** in the **Board of Studies Meeting** organised by the Department of Science and Humanities, Sri Ranganathar Institute of Engineering and Technology, Athipalayam, Coimbatore.

















### **SCIENCE AND HUMANITIES**

### **Faculty Achievements**

Dr T Bhavani, Ms N Leelavathy, Ms S Santhiya and Ms V Tharageswari, the Members of Faculty, completed online certification courses on "Descriptive Statistics with R Software" offered through NPTEL.

















## **Faculty Achievements**

Ms L Gomathy, Ms R Sheebha Ranjani and Ms H Shubhajyothi, the Members of Faculty, completed online certification courses on "Descriptive Statistics with R Software" offered through NPTEL.

















## **SCIENCE AND HUMANITIES**

# **Faculty Achievement**

**Ms P Jinsha**, Asst. Professor, completed a course on "Fundamental of Al & ML" offered through Infosys Springboard on 11 November 2024.













## **SCIENCE AND HUMANITIES**

## **Faculty Publication**

Dr N Venugopal, Assoc. Professor, published a paper on "The Impact of Mobile Applications on the **Development of Academic Learning**" Explore. DOI:10.1.109/ICACCS608 74.2024.10717078



#### The Impact of Mobile Applications on the Development of Academic Learning

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re, India. Coimbatore, India. Acquiring them equally capable as computers. Based on the findings of [2], it has been observed that smartphones offer notable advantages compared to pre-smartphone mobile devices, as evidenced by several studies. Fluxesy and mastery of the target by several studies, and the studies of the larget of the studies of the s















# **SCIENCE AND HUMANITIES**

# **Event Organised**

The Dept. of Science and Humanities organised a discussion and brainstorming session on "Generative Al" on 14 November 2024.







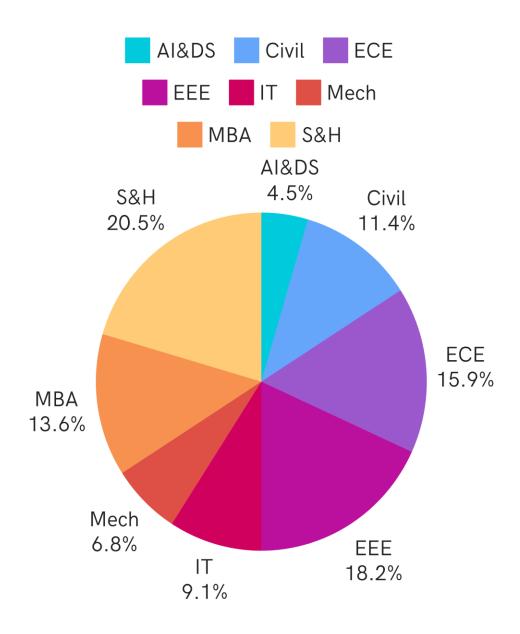








#### **CONTENT CONRIBUTIONS BY THE DEPARTMENTS**





















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