

SKCET



27th July - 02nd August 2024



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HAPPY 
READING



INSTITUTIONAL EVENTS



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SKCET | MOU WITH NITTTR



SKCET has formalized an MOU with **NITTTR** Chennai to promote academic and research collaboration. This strategic partnership is aimed to improve the quality of technical education and research, thereby benefiting the technical education landscape in the country. The MoU was signed on July 19th, 2024 by **Dr. Usha Natesan, Director, NITTTR Chennai** and **Chairperson of SKCET** in the presence of **Dr. K. Porkumaran, Principal, SKCET** and the faculty members of NITTTR Chennai.

SKCET | SWAYAM PRABHA TECHNOLOGY CHANNEL



**SRI KRISHNA COLLEGE OF
ENGINEERING AND TECHNOLOGY**

An Autonomous Institution, Kuniamuthur, Coimbatore



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION

SKCET has established

Swayam Prabha Technology Channel



Live stream @ **Vankatram Learning Centre**



The **SWAYAM PRABHA** channels under Ministry of Education offered by IITs, IISc, IIMs are streamed in Audio Visual Theatre 2 at **Vankatram Learning Centre of SKCET** which are bouquet of Technology channels dedicated to provide high-quality educational knowledge contents.

SKCET | RESOURCE CENTRE FOR IIT BOMBAY'S SPOKEN TUTORIAL



**SRI KRISHNA COLLEGE OF
ENGINEERING AND TECHNOLOGY**
An Autonomous Institution, Kuniyamuthur, Coimbatore



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION

SKCET becomes NODAL RESOURCE CENTER for



SPOKEN TUTORIAL
IIT BOMBAY

The institution will organize workshops, training sessions, and awareness programs to equip students and faculty with digital skills.

It will support other educational institutions in adopting the Spoken Tutorial initiative.



skcet.ac.in



[srikrishnainstitutions](https://www.linkedin.com/company/srikrishnainstitutions)

SKCET has proudly become the official Nodal Resource Center for **IIT Bombay's Spoken Tutorial** initiative. This prestigious role empowers SKCET to host dynamic workshops and cutting-edge training sessions designed to equip both students and faculty members with essential digital skills. By leading this initiative, SKCET will not only elevate its own academic community but also extend its impact by supporting other Institutions in embracing the transformative power of the Spoken Tutorial program.



HACKATHON



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COMPUTING | WOOD INDIA HACKATHON



SKCET students participated in the **WOOD INDIA HACKATHON** organized by the wood. plc company, Chennai on 25th and 26th July. Our students is one among the top 9 teams participated in this hackathon.

Team Members:

Sandhya Barathi K - IV year CSBS,
Dhanush M - III year CSBS,
Brinda P V - III year AI&DS,
Dinesh Kumar S - III year M.TECH CSE

Team Name: GREEN HORIZON

Mentors:

Dr.P.Shanthi (Professor and Head CSBS)

Dr.S.Venkata Lakshmi (Professor and Head AI & DS)

CSBS | HACKATHON PARTICIPATION



Risha R, student of Third year **CSBS** has participated in a National Level Hackathon - iTech HackFest 2024 conducted at PSG Institute of Technology and Applied Research in association with SAP from 25.07.2024 to 26.07.2024.



STUDENTS PROGRESSION



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AI & DS | INTERNSHIP @ EMGLITZ TECHNOLOGIES



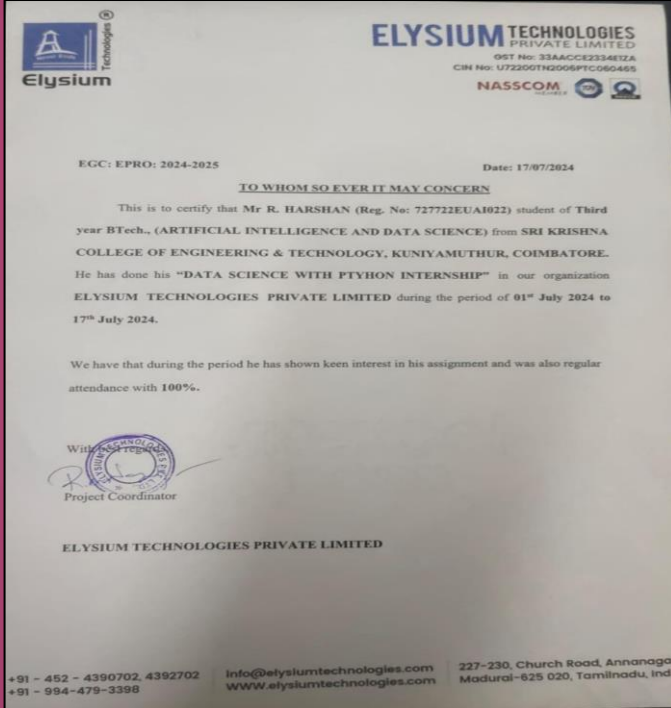
Naveen L.M, student of **Second** year **AI&DS B** has successfully completed his internship on “**Data Science**”, at “**Emglitz Technologies**” from 15.06.2024 to 16.07.2024.

AI & DS | INTERNSHIP @ PRODIGY INFOTECH

Mohamed Fazil M, student of **Third** year **Artificial Intelligence and Data Science** has successfully completed his internship from 1st May, 2024 to 31st May, 2024 in “**Machine Learning**” with outstanding remarks at **Prodigy InfoTech**, Mumbai.

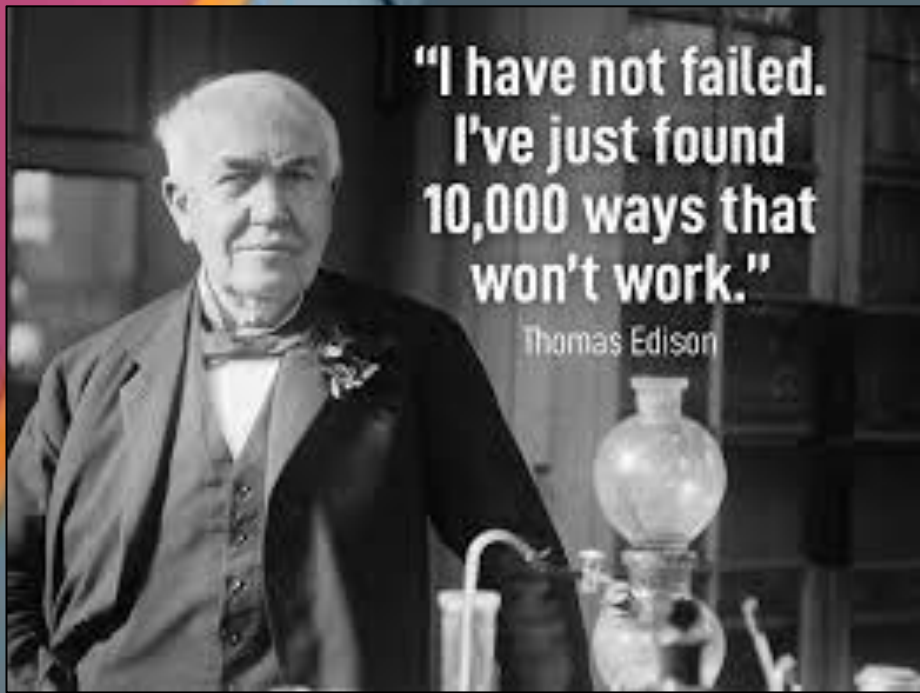


AI & DS | INTERNSHIP @ ELYSIUM TECHNOLOGY



R Harshan, student of **Third year Artificial Intelligence and Data Science** has completed his Internship Program on **“Data Science with Python”** from 01.07.2024 to 17.07.2024 at **Elysium Technology Private Limited, Madurai.**

LEGENDARY INSIGHTS



ECE | INTERNSHIP

NoviTech
the innovation partner

Date: 19.07.2024

COMPLETION CERTIFICATE

This is to inform you that Mr. SUDHARSHAN K (Reg. No: 727722EUEC185) doing B.E. ELECTRONICS AND COMMUNICATION ENGINEERING in Sri Krishna College of Engineering and Technology, Coimbatore is successfully completed his internship on "INTERNET OF THINGS" in our concern from 25th June 2024 to 19th July 2024.

During this period, we found him to be sincere in work and regular in his attendance 100%. We are certifying that his conduct and character has been found to be good.

FOR NOVITECH R&D PVT LTD

AUTHORITY SIGNATURE

NoviTech R&D Pvt. Ltd.
7 Floor, Sri Krishna Complex, Ramoji Film Street, Ram Nagar, Coimbatore - 641 001 Tamilnadu, INDIA

☎ 0422 - 444101
✉ www.novitechindia.com
✉ support@novitechindia.com

PINESPHERE

18-July-2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Tharanya S** (Roll No: 727722EUEC196) of B.E ECE student of Sri Krishna College of Engineering and Technology, has successfully completed her internship training on Python at our esteemed concern.

Internship Duration: 25-Jun-2024 to 18-July-2024

For Pinesphere Solutions

Surendran S
Director

PINESPHERE SOLUTIONS PVT. LTD.,
No. 22, Kalappalli Main Rd,
Thiruvannamalai Nagar, Saravanampatti,
Coimbatore, Tamilnadu - 641 035

+91 9994434264
surendran@pinesphere.com
www.pinesphere.com
No.22,KalappattiMain Road,Thiruvannamalai Nagar,Saravanampatti,Cbe-641035

एम.एस.एम.ई.- प्रौद्योगिकी विकास केन्द्र
MSME-TECHNOLOGY DEVELOPMENT CENTRE (PDCC)
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
Ministry of Micro, Small and Medium Enterprises
Government of India Society
खण्डाजी नगर, आगरा-202 006 (उ.प्र.)
Foundry Nagar, Agra-202 006 (U.P.)

Reg. No. : 199416

प्रमाण-पत्र
Certificate

This is to certify that
Mr. Ranjith Kumar P
S/o Mr. Prakash K
has successfully completed the internship
in
EMBEDDED SYSTEM
from 25.06.2024 to 06.07.2024 (16 hrs.)
at MSME-TDC, EC-Coimbatore (TN)

PLACE : AGRA
DATE : July 6, 2024

(BALAGURU D)
EXTR. CENTRE INCHARGE/
PROGRAMME COORDINATOR

(SACHIN RAJPAL)
PRINCIPAL DIRECTOR

No. PDCC/Tp/MS/2024-25/8059

salzer

SALZER ELECTRONICS LTD., Unit - II
Chinnamangalam,
Coimbatore - 641019, INDIA
Tel : +91 4254 - 277200
+91 98946 81110
E-mail : salzer2@salzergroup.com
Web : www.salzergroup.com
CIN : L32110TZ1989PLC001535

PER/ INTERSHIP /2024-2025
20.07.2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. ROHITHAN .P.D ROLL NO: 727722EUEC149** student of **SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY** studying in Third year B.E. Electronics and Communication Engineering has successfully completed his Internship Training for a period 08.07.2024 To 20.07.2024 on all working days.

During this period Of his Internship Training with us, we found his conduct and character to be good. We wish him a successful future.

For SALZER ELECTRONICS LIMITED - UNIT II,

S.SARTHIK
ASST. MANAGER - HR.

LUKER
LUKER ELECTRIC TECHNOLOGIES

Ref: HRD/INT/014
Date: 22.07.2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. M. VIGNESH (REG NO: 727722EUEC203)** B.E. ELECTRONICS AND COMMUNICATION ENGINEERING, student of **SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE**, has successfully completed his internship under the guidance of **Mr. KALYAPPAN K.,** Head of R&D (Fan), at the Factory in Chetipalayam, Coimbatore, during the period from 1st July 2024 to 22nd July 2024.

Mr. M. VIGNESH, has evinced keen interest in his works and tasks allotted and the exposure he had in the internship shall stand here in good stead in his future career.

For **LUKER ELECTRIC TECHNOLOGIES PRIVATE LIMITED.**

Authorized Signature

Luker Electric Technologies Pvt. Ltd.
Factory - 84, Old Coimbatore Road, Chetipalayam, Coimbatore - 641 001, Tamilnadu, India.
Tel : +91 9279777666, +91 98422 22222, +91 98422 22222
Corporate Office - 2nd Floor, Jain Temple, 99/117, New Park, Near Lulu Mall, Coimbatore, Tamil Nadu, India. Mobile: +91 98321 44108

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Tamil Nadu Newsprint and Papers Limited

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Phone: 04262 241200 to 241205, Fax: 04262 241206 to 241207

CERTIFICATE

HR/3123/INT/EC/2024/07/06 July 25, 2024

Name : B. YUVASHRI
Department : B.E. (ECE)
Name of the Institution : Sri Krishna College of Technology, Coimbatore
Departments in Which Undergone Internship Training : Paper Machine, Pulp Mill, Energy Soda Recovery and Information Technology
Internship Training Duration : From: 08.07.2024 To: 19.07.2024. (Excluding Weekly Off)

S. VENKATESAN
Sr. Manager - HR
Tamil Nadu Newsprint and Papers Ltd
Kagithapuram - 639 136
Karur District.

TNPPL Corporate Office
25, Minerva Road, Chennai, TN, India - 600 052.
Phone: 0422 2224410 to 2224415, 22 2224416 to 22 2224418
E-Mail: hr@tnpppl.com, hr@tnpppl.com
Corporate HR No: T-22222 29 22222 29 22222 29

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Karur District.

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BHARAT SANCHAR NIGAM LIMITED
(A Government of India Enterprises)

MADURAI SECONDARY SWITCHING AREA

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Sri / K_{um} V. Shikhiraj**
Student of **BE-ECE** from **Sri Krishna College of Engg & Tech**
has undergone Project / In House / Special training **Inplant Training**
for **one week** in **BSNL MADURAI SSA**
for a period from **15.07.2024** to **21.07.2024**

His / Her Commitment and involvement in the assignment is **GOOD**.

F. Manoj Kumar
ASSISTANT GENERAL MANAGER (H.R)
D/O GENERAL MANAGER, BSNL
MADURAI - 625 002

Madurai - 625 002
20.07.2024
SL.No. : 69

FREHNIG INSTRUMENTS AND CONTROLS **FREHNIG**

47, TEXTCO BALASUBRAHAM ROAD, AVARAHMULAYAM, COIMBATORE - 641 006. TEL : +91-422-2567747, FAX: +91-422-2561402
web : www.frehnig.com

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Sudhakar Raja N P** (Reg No: 727722EUEC184), a third-year student of B.E. Electronics and Communication Engineering at Sri Krishna College of Engineering and Technology, Coimbatore, has successfully completed his Internship Training in "Embedded System, PCB Design, testing and IoT" from our esteemed organization from 25.06.2024 to 18.07.2024.

His performance and conduct were found to be very good.

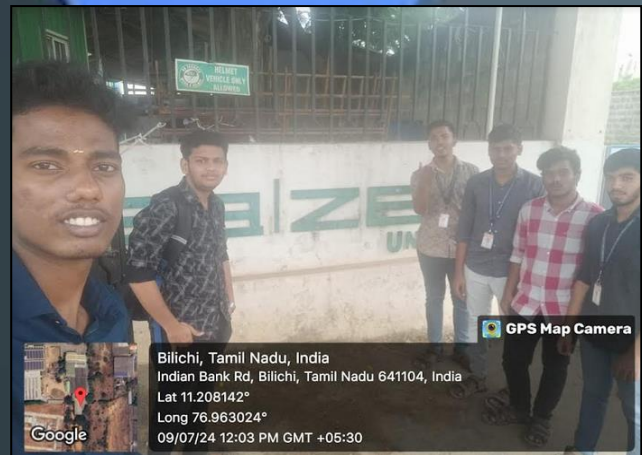
During this period, he was sincere and regular in attending all phases of the Internship Training Program.

We wish him all the best in his future endeavours.

For **FREHNIG INSTRUMENTS AND CONTROLS**

G. Kumaravel
Manager - EC production

ECE | INTERNSHIP



Following students of Third year **ECE** have attended the summer Implant training /Internship in various organizations.

S.No	Name of The Student	Organization
1	Ranjith Kumar P	MSME – TDC, EC - Coimbatore
2	Rohithan P D	SALZER Electronics Limited, Unit-II, Coimbatore
3	Shibhiraj V	BSNL, Madurai
4	Sudhakar Raja N P	Frehngig instruments and Controls, Coimbatore
5	Sudharshan K	Novitech R&D Private Limited, Coimbatore
6	Tharanya S	Pinesphere Solutions Private Limited, Coimbatore.
7	Vignesh M	Luker Electric Technologies Private Limited, Coimbatore.
8	Yuvashri B	Tamil Nadu Newsprint and Papers Limited, Karur.



STUDENTS CERTIFICATION



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CSY | AWS CERTIFICATION

aws  certified

Subram M

AWS Certified Cloud Practitioner

VALIDATION NUMBER: 2d93143ce50a49c6bdde2358f96a073b

VALIDATE AT: <https://aws.amazon.com/verification>

Issue Date: June 6, 2024

Expiration Date: June 6, 2027

Subram M, student of Third year **Computer Science and Engineering (Cyber Security)**, has successfully completed Cloud Practitioner Certification from Amazon Web Services on June 6, 2024.



EVENTS



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CSBS | AWARENESS PROGRAMME



Department of **Computer Science and Business Systems**, in collaboration with the **National Service Scheme (NSS)**, organized an awareness program titled “**Green Seeds Initiative: Bottles Transformed**” under the theme "Youth for My Bharat" on 23.07.2024. The event took place at **Kurichi Lake Ramp, Coimbatore**, with an aim to educate the youth on the importance of recycling and fostering a greener environment.

Mr. R. Vetriselvan, Deputy Mayor and **Mr. Babu**, Councilor was the chief guests who provided valuable insights and support for this significant initiative.

CSE | CYBER SECURITY WORKSHOP



Department of **Computer Science and Engineering** organized two-day Cyber Security Workshop on “Ethical Hacking and CTF (Capture the Flag) Challenge!” Resource Persons: Tamil CTF Team

Day 1 - Session takeaways:

Introduction to ethical hacking, About CTF, Job opportunities in cyber security, Need of cyber security engineers, Reverse Engineering, OSINT

Day 2 - Session highlights:

CTF Challenge Event, Q&A session on CTF

CTF Challenge Prize winners

First Prize

1. Abhishek M D- III M.Tech CSE
2. Bhavaneeshwaran S- III M.Tech CSE

Second Prize

1. Navadin Nehru- III CSE B
2. Naveenya- III CSE B

Third Prize

1. Maginesh U T- III CSE B
2. Mark Felix- III CSE B

IT | ONE DAY WORKSHOP



Department of **Information Technology** organised a One-day Workshop on **“Data Analytics with Power BI”*** for Second year IT students on 26.07.2024.

Resource Person Dr. Deepak Keynes, Team Leader, Cognizant Technology Solutions, Coimbatore.

Key take aways:

- Installation of Power BI
- Features of Power BI
- Shaping the Data Set
- Modelling of Data Set
- Data Analytics Technique
- Decision making based on Data Analytics.



TUTOR WARD MEETING



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AI&DS | TUTOR WARD MEETING



Mr.S.Senthil Kumar, Assistant Professor, Department of **Artificial Intelligence and Data Science** conducted Tutor Ward Meeting for the **Third** year students on 30.07.2024. The pointers of discussion were: Industrial Training, Participation in hackathon, workshop, Curriculum of the upcoming semester, motivated students to effectively participate in events and placement activities.

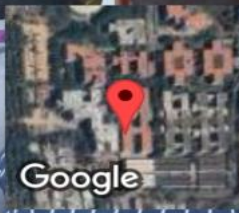
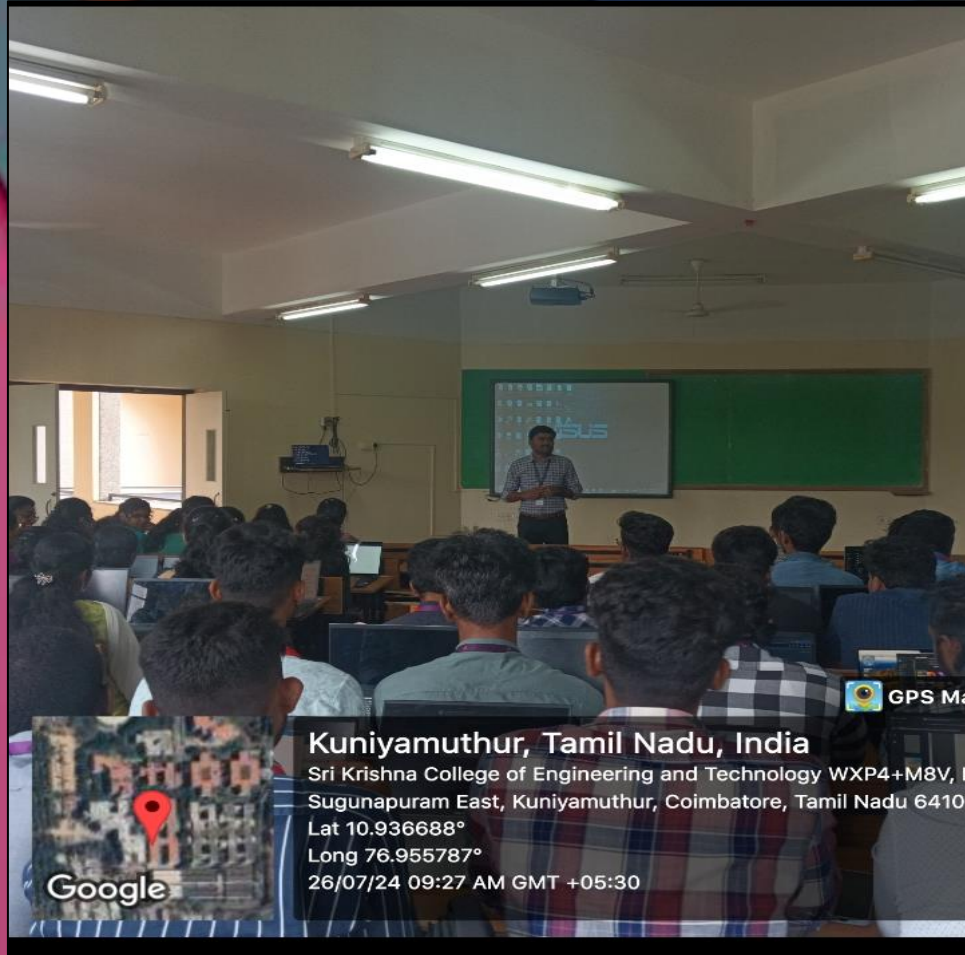
CSBS | CLASS COMMITTEE MEETING



Department of **Computer Science and Business Systems** conducted Class Committee Meeting for the Final year students on 26.07.2024.

Dr. V. Anandkumar, professor, IT chaired the meeting. The Meetings revolved around the key points like: Preparation for Continuous Internal Assessment Test, Portion Completion, Subject Study Materials, Outcome of Industry Courses, Participation of Extracurricular Events, Hackathon Participation.

AI&DS | TUTOR WARD MEETING



Kuniamuthur, Tamil Nadu, India

Sri Krishna College of Engineering and Technology WXP4+M8V, E
Sugunapuram East, Kuniamuthur, Coimbatore, Tamil Nadu 64100

Lat 10.936688°

Long 76.955787°

26/07/24 09:27 AM GMT +05:30

Mr.A.Wasim Raja, Assistant Professor, Department of **Artificial Intelligence and Data Science** have conducted **Tutor Ward Meeting** for the **Second** year students on 26.07.2024. The pointers of discussion were: Industry Training, Participation in hackathons, workshops, Curriculum of the upcoming semester, motivated the students to effectively participate in events and placement activities.



PLACEMENT AND TRAINING



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SKCET | SLB STUDENT TECHNICAL CONNECT SESSION



Final-year students of **SKCET** attended a pre-placement talk and student technical connect session on 24.7.2024, hosted by **Mr. Ravichandran Durairajan**, Head of Coimbatore Center at SLB, along with **Ms. Divya**, Cloud Computing Lead, **Mr. Abdul**, Cyber Security Lead, **Mr. Dinesh Prabhu Viswanathan**, BI Application Manager and **Mr. Vardhaman V**, Data Scientist. The session focused on the latest trends in their respective domains.

Dr. K. Porkumaran, Principal, welcomed and engaged in discussions with **Mr. Ravichandran Durairajan**, Coimbatore Centre Head at SLB. The key highlights of their interaction includes:

- Project collaboration and the establishment of niche skills labs in AI & DS, IoT, and cybersecurity at SKCET.
- Enhancement of the curriculum through industry-driven design.
- Establishment of a Center of Excellence.
- Encouraging student participation in industry projects.
- Organizing student hackathons in collaboration with SLB.

PLACEMENT | TCS WORKSHOP



SKCET- TCS Workshop-Learn in a day Final year student of SKCET attended TATA Consultancy Services Technical Workshop [Learn in a Day] on NodeJS, GenAI, React JS and Robotics on 29.07.24 & 30.07.24.

Dr.K.Porkumaran, Principal welcomed and interacted with **Mr.Ganesh Thirunavukkarasu M**, Regional Head of Academic Alliances at TCS.

Resource Persons

Mr.Navin Murugaiyan, Fullstack Developer,
Mr.Balaji R, Backend Developer,
Mr. Diliphan K, Technology Lead at the Hyperinnovation COE
Mr. Yogesh Kumbhar, Robotics Developer,
TATA Consultancy Services.

Highlights:

GenAI -Highly realistic and complex content, React JavaScript Library for Web applications, Robotics- Interdisciplinary study and use of robots, Nodejs - open-source, cross-platform JavaScript runtime environment.

SKCET | PLACEMENT TESTIMONIALS

As a Mechanical Engineering graduate of Sri Krishna College of Engineering and Technology, I can confidently say that the institution played a pivotal role in shaping my career trajectory. My journey from college to the corporate world has been nothing short of amazing, thanks to the solid foundation and support I received from the college. The personalized attention from my faculty members coupled with placement training and networking opportunities, empowered me to pursue my career aspirations with confidence. I would like to specially thank the placement team and the placement training team for helping me to train myself getting into various companies comprised of various roles. Finally, I would like to thank my parents for believing me all through this period of time, The Principal, The entire Placement team and all my management faculty during this course of 4 years.

**ASWINN L - MECH,
HYUNDAI MOTORS INDIA LTD**



SKCET | PLACEMENT TESTIMONIALS

Sri Krishna College of Engineering and Technology is a place of learning, fun, culture, lore, literature and many such life preaching activities. Studying at SKCET brought an added value to my life. It gave me an opportunity to meet different kind of people and learn a number of things. I have received a great support from faculties & placement office. I am thankful to Training & Placement cell for providing a platform to enhance my skills and an opportunity to showcase them. Due to the efforts made by the faculty and placement cell at SKCET, I got placed in a very good company that I applied for. They always provided me with the assistance that I required for my overall development and to improve my technical knowledge. I will always be grateful to them for providing me a platform of practical learning and preparing me for the corporate life. I am incredibly grateful for the professors and staffs of my department for their rigorous training, which played a pivotal role in helping me secure a covered position at Mu Sigma Private Limited.

HARRISH V- EEE
MU SIGMA





RESEARCH AND DEVELOPMENT



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R&D | BOOK CHAPTER PUBLICATION | MECH



Dr.R.Soundararajan and **Dr.A.Sathishkumar**, Assistant Professors of **MECH** has published a book chapter titled **“Enhancing Resistance: Friction Stir Processing for Wear and Corrosion in Hybrid Composites”** in the book **“Utilizing Friction Stir Techniques for Composite Hybridization”** published by IGI

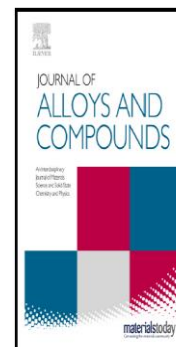
R&D | ARTICLE PUBLICATION | MECH

Dr.R.Soundararajan, Associate Professor, **MECH** department has published research article titled **“A Comparison Study on Detailed Strengthening mechanism analysis on micro structure and mechanical properties of 3 phases FGM Material with vibrational behavior analysis is fabricated using WAAM process and traditional method”**, in the Journal of Alloys and Compounds (Elsevier Publication). It is indexed in Scopus, Science Citation Index Expanded (SCIE) with an Impact Factor of 5.8. This Journal also listed in the Anna University Annexure list.

Journal Pre-proof

A Comparison Study on Detailed Strengthening mechanism analysis on micro structure and mechanical properties of 3 phases FGM Material with vibrational behavior analysis is fabricated using WAAM process and traditional method

K Sainath., S Prabakaran., R. Soundararajan



PII: S0925-8388(24)02130-3

DOI: <https://doi.org/10.1016/j.jallcom.2024.175543>

R&D | PAPER PUBLICATION | EEE

J. Electrical Systems 20-3 (2024):3723-3731

1.R.Kavin
2.J.Nirsh
3.B. Nandhini
4.P. Sureshkumar
5.S. Selvam

Towards Sustainability: The Self-Charging Electric Bike - Harnessing Energy for Eco-Friendly Transportation

Journal of Electrical Systems

Abstract: - The quest for sustainable transportation solutions has intensified with the growing concerns over environmental degradation and energy consumption. In response, the self-charging electric bike emerges as a promising innovation, offering an eco-friendly alternative for urban commuting. By integrating regenerative braking and solar power technologies, this self-sustaining vehicle can harness kinetic and solar energy to charge its batteries, thereby extending its range and reducing reliance on grid electricity. This paper explores the design, functionality, and potential environmental impacts of the self-charging electric bike. Through a comparative analysis with conventional electric bikes and traditional bicycles, its advantages in terms of energy efficiency, cost-effectiveness, and carbon footprint reduction are elucidated. Additionally, considerations regarding infrastructure requirements and user adoption are discussed. The self-charging electric bike represents a significant step towards sustainable transportation, aligning with global efforts to mitigate climate change and promote greener lifestyles.

Keywords: Sustainability, Self-Charging, Electric Bike, Energy, Eco-Friendly, Transportation.

I. INTRODUCTION (HEADING 1)

The exponential growth of the global vehicle fleet since the early 1970s has been staggering, with an annual expansion rate reaching 16 million vehicles [1]. This surge in vehicular presence has been accompanied by a parallel surge in fuel consumption, painting a concerning picture of escalating environmental impact [2]. Projections indicate that if this trajectory remains unchecked, the world's roads will accommodate over one billion vehicles [3] by 2025. However, this rapid proliferation of transportation infrastructure comes at a significant cost to the environment, notably marked by the alarming rise in greenhouse gas emissions [4].

In light of the mounting concerns over transportation-related emissions, governments and policymakers worldwide are urgently seeking strategies to reverse this unsettling trend [5]. The imperative to curb emissions and mitigate the environmental fallout of transportation has ignited a wave of innovation aimed at fostering sustainable alternatives [6]. Within this landscape of urgency and innovation, the concept of self-charging electric bikes emerges as a promising solution, offering a glimpse of hope for eco-friendly urban mobility [7].

Against the backdrop of burgeoning vehicle numbers and escalating fuel consumption, the self-charging electric bike stands out as a beacon of sustainable transportation technology [8]. By leveraging renewable energy sources and incorporating regenerative technologies, this innovative mode of transport has the potential to usher in a paradigm shift in urban mobility [9]. Its ability to harness energy from the environment, coupled with its eco-friendly operation, positions it as a viable solution for reducing the environmental footprint of transportation [10].

This paper aims to delve into the design, functionality, and environmental implications of the self-charging electric bike. By examining its transformative potential within the context of mounting transportation challenges and the urgent need for sustainable solutions, we seek to shed light on its role in shaping the future of urban

3723

Mr.R.Kavin, Assistant Professor, EEE Department has published a paper entitled “Towards Sustainability: The Self-Charging Electric Bike - Harnessing Energy for Eco-Friendly Transportation” in the Journal of Electrical Systems. It is a Scopus indexed journal.

R&D | JOURNAL PUBLICATION | EEE

Dr.J.Karthika, Professor, EEE Department has published a paper entitled “Investigation on compressed air energy storage system for efficient utilization of renewable power sources” in International Journal of Power and Energy Conversion. It is a Scopus indexed journal.

The screenshot shows the article page on the IJPEC website. The article title is "Investigation on compressed air energy storage system for efficient utilization of renewable power sources" by J. Karthika, V. Anandharaj, P. Veera Saranya Kumar, P. Venkatesh Chandra and N. Gunitha Rao. The page includes an abstract, keywords, and access options. The price for the article is listed as \$1,171.00. The website also features a list of collections including Computing and Mathematics, Economics and Finance, Education, Technology and Learning, Energy and Environment, Healthcare and Biotechnology, Management and Business, Public Policy and Administration, and Arts, Policy and Organizational Management.

R&D | PAPER PUBLICATION | ECE

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Conferences > 2024 International Conference...

IoT Based Animal Detection and Alert System for Farm Fields

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

T. Manikandan; S. Joshua Kumaresan; A. Muruganandham; V. Nandalal; R. Babuji **All Authors**

Abstract:
The main objective of this work is to alert the farmer when an animal enters into their farm field and prevent the animal entering into the farm field. The animals suddenly entering to the field is the major issue that farm owners frequently deal with. The traditional farming techniques need to be replaced with smart farming methods in order to prevent the entry of animals. The proposed system uses the sensors, arduino and Internet of Things (IoT). This developed system also enables the farm owner to get the Short Message Service (SMS) through Global System for Mobile (GSM). In addition, it provides the access to the farm owner to control the entry of the animal to farm field automatically or manually from the home. As the developed system transmits the real time pictures of the animal to the farm owner through telegram bot, he/she will be well prepared to protect the animals. Further, the developed system makes use of speaker to play the same detected animal sound as a way to repel the animal. It also produces the fog and lights to prevent the immediate entry of animals. Thus, this work facilitates the smart way to control the wild animals entering to the farmland.

Published in: 2024 International Conference on Communication, Computing and Internet of Things (IC3IoT)

Date of Conference: 17-18 April 2024 **DOI:** 10.1109/IC3IoT60841.2024.10550250

Date Added to IEEE Xplore: 11 June 2024 **Publisher:** IEEE

Conference Location: Chennai, India

Electronic ISBN: 979-9-3503-5268-9

Dr.V.Nandalal, Professor, **ECE** has presented and published a conference paper entitled **“IoT Based Animal Detection and Alert System for Farm Fields”** in the International Conference on Communication, Computing and Internet of Things (IC3IoT). It is a Scopus Indexed Conference.

R&D | BOOK PUBLICATION | IT

Dr.T.Keerthika - IT Associate Professor has successfully Published a book Titled **“Unbreakable : The Foundations of Impregnable Cyber Security”** by **LAMBERT Publishers**.





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EEE | FDP ON ML & STATISTICAL DATA ANALYSIS USING MATLAB



Dr.J.Karthika, Associate Professor, EEE Department has participated in One Week Online Faculty Development Program on “**Machine Learning And Statistical Data Analysis Using Matlab**” under Malaviya Mission Teacher Training Programme (MM-TTP), organized by UGC-MMTTC, Shri Mata Vaishno Devi University, Katra, J&K from 08-07-2024 to 13-07-2024.

ECE | FACULTY CERTIFICATION

Mr.R.Sarath Kumar, Assistant Professor from the department of **ECE** has successfully completed NPTEL Course on “**Teaching and Learning**” offered by Indira Gandhi National Open University, New Delhi.



CSE | CERTIFICATE OF RECOGNITION



Dr. Reshma V.K, Associate Professor, **CSE** has been awarded with certificate of recognition for an outstanding contribution as an Editor for the edited book titled "**Futuristic Trends in Artificial Intelligence**" Volume 3, Book 12. E-ISBN:978-93-6252-541-3, Print -ISBN:978-93-6252-463-8, Publication Date:25 February 2024.

INFOGRAPHICS

11 Safety and healthy tips for the Rainy Season

- Boost your immunity**
Intake Vitamin C rich foods to increase your immunity.
- Drink clean and boiled water**
Monsoon gives birth to various water-borne diseases, so drinking boiled or filtered water is essential.
- Consume more probiotics**
People are prone to affect by various stomach infections. Increase the consumption of probiotic foods like curds, yoghurt, buttermilk etc.
- Say no to street foods**
The food items sold on the road are exposed to the open air, and they may transmit viral infections.
- Keep your hands clean**
Maintaining hand hygiene is important as germs in the hand multiply more quickly during cold weather. Wash your hands regularly.
- Maintain Social Distance**
Maintain a safe distance from sick people, so that you don't come in contact with the infected droplets.
- Get adequate sleep**
Unhealthy sleeping patterns disrupt your immunity and make you prone to contracting diseases like flu and cold during monsoons. Sleep for 6 to 8 hours everyday to stay healthy.
- Get rid of stagnant water**
Remove the visible source of stagnant water as it is the hub of disease-spreading insects.
- Avoid getting drenched in rain**
Carry an umbrella or raincoat if you are heading out. Avoid commuting during heavy rains.
- Prevent mosquito bites**
Use mosquito repellents and mosquito nets to prevent mosquito bites.
- Exercise regularly**
Exercising is the most beneficial physical activity that can be performed indoors. It not only helps you to lose weight but also boosts your immunity.



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MBA | ALUMNI MESSAGE



At **SKCET**, dreams truly can come true. I'm proud to say that our college is among the best in Coimbatore. Life here offers a blend of deep learning and skill enhancement, ensuring you reach your goals. Thanks to the enriching experiences at SKCET, I landed my dream job through campus placement in 2018.

Name: Praveen R

Role: Business Development Manager

Company: Cloud Assert

MBA-2017-2019 Batch



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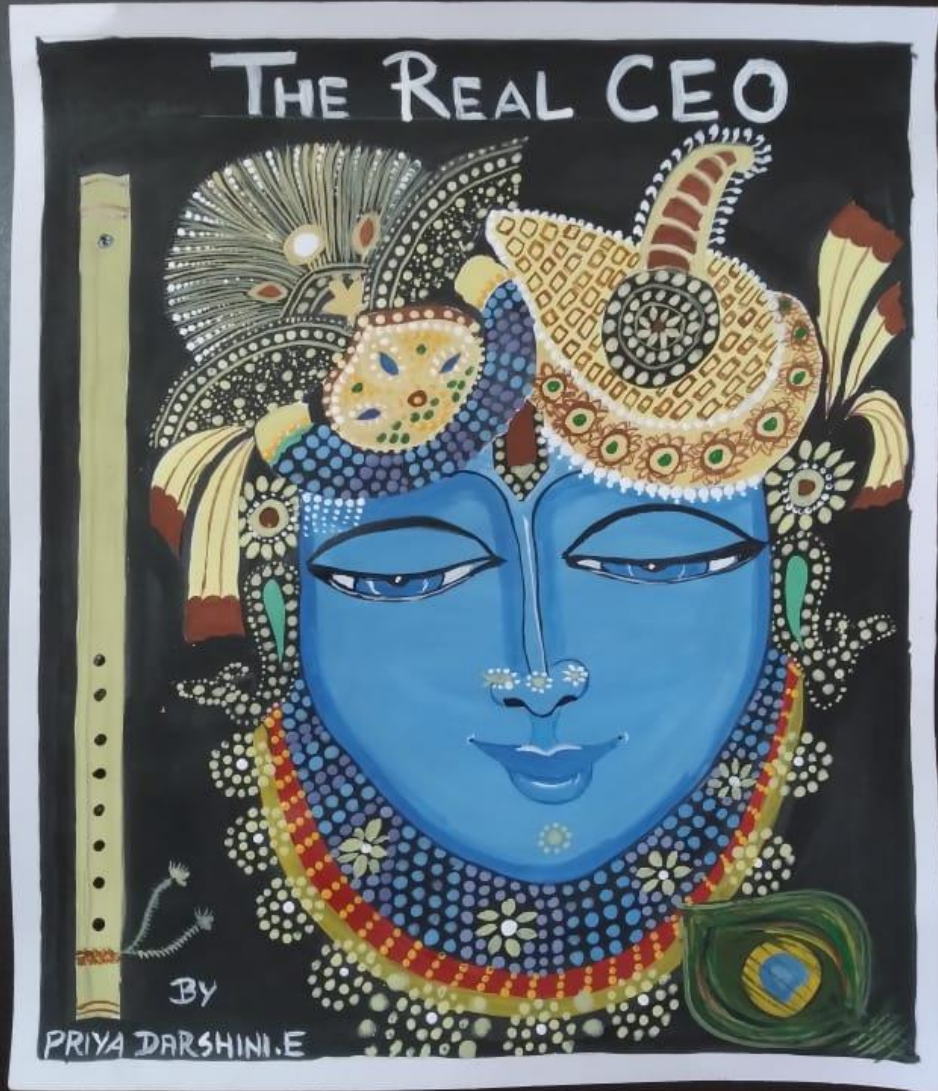


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Ms.Priya Dharshni E
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