

SKCET



03rd - 09th August 2024



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Happy Reading!

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SKCET | CAREERS 360 RATING



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



Rated **AAAA+**

★★★★★ 4.6 / 5

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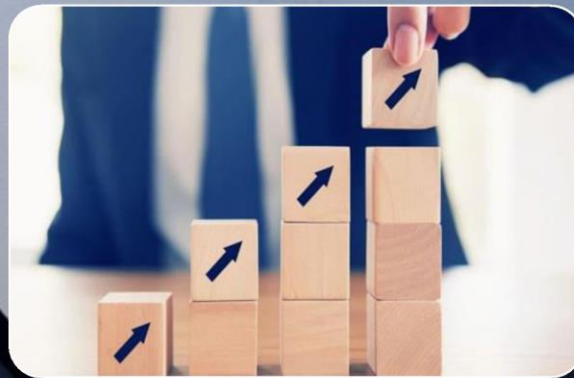
[srikrishnainstitutions](https://www.linkedin.com/company/srikrishnainstitutions)

Sri Krishna College of Engineering and Technology has achieved an outstanding **AAAA+** rating in **Careers 360's 2024 ranking** of India's Best Engineering Institutions. This acknowledgment highlights SKCET's dedication in delivering high-quality education and fostering a dynamic campus environment, celebrating the Institution's commitment to excellence.

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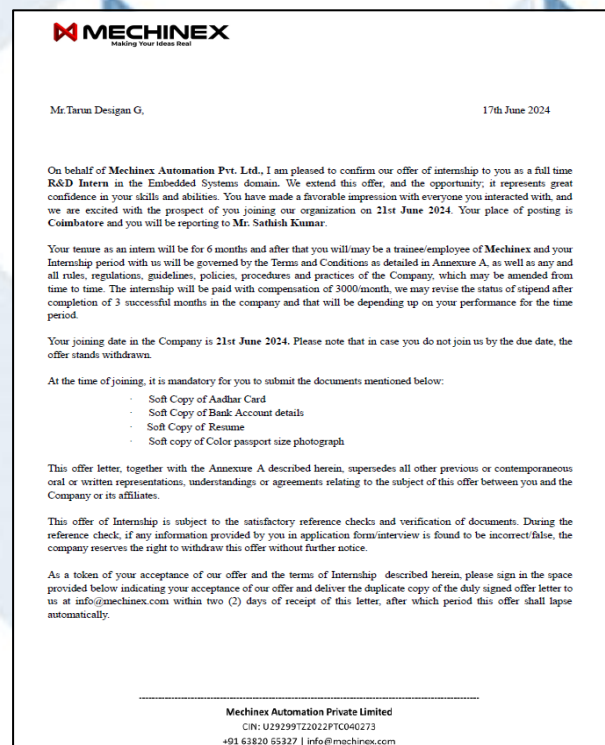
MCT | INTERNSHIP @ NOVITECH



Mr.M.Naveenraj, student of Third year MCT has successfully completed one month internship in “Full Stack Development” from 19th to 21st July 2024 at NoviTech R&D Private Limited.

EEE | INTERNSHIP @ MECHINEX AUTOMATION

Tarun Desigan.G student of Final year EEE B has been a Full Time R&D Intern in Embedded System Domain at MechInex Automation Pvt Ltd, Coimbatore from 21.06.2024 to 21.12.2024.

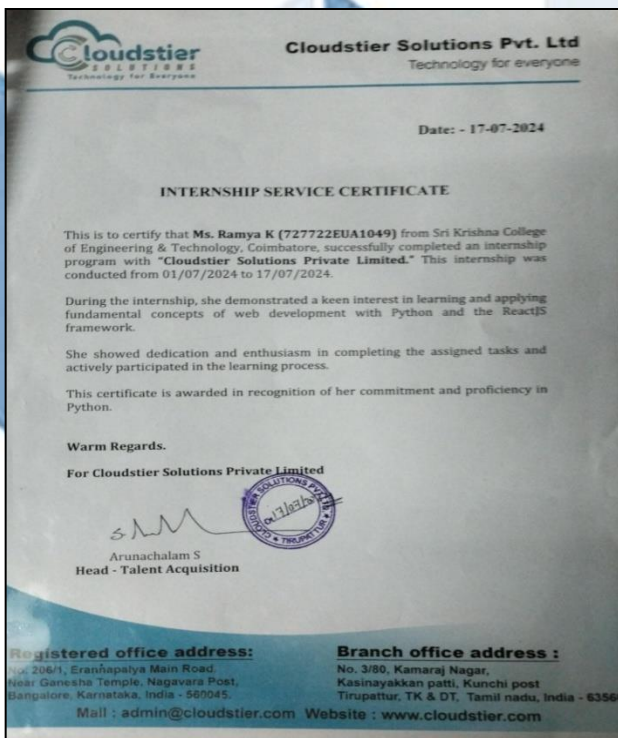


AI&DS | INTERNSHIP

Lipeka D III year Artificial Intelligence and Data Science has successfully completed internship from 11th July, 2024 to 15th July, 2024 in “**Artificial Intelligence & Machine Learning**” with outstanding remarks at **CodeBind Technologies, Coimbatore.**



AI&DS | INTERNSHIP @ CLOUDSTIER SOLUTIONS



Ramya K III year Artificial Intelligence and Data Science have successfully completed his internship from 10th July, 2024 to 17th July, 2024 in “**Web Development with Python**” with outstanding remarks at **Cloudstier Solutions Pvt.Ltd, Tirupathur.**

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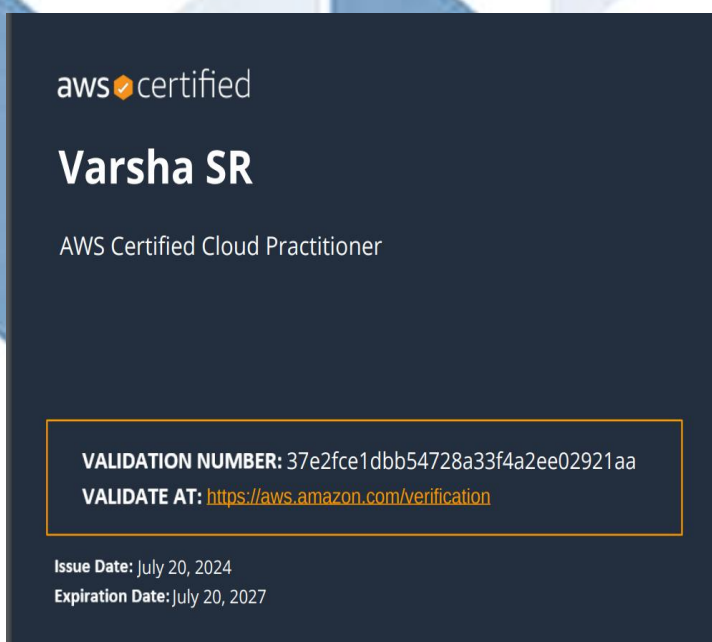
AI&DS | INFOSYS CERTIFICATION



Following students from the Department of **AI&DS** have successfully completed Infosys Springboard Certification.

- Magilavan M – II year – Introduction to Python
- Akash M – II year – ML Algorithms
- Suriya G – III year – Computer Vision 101

IT | AWS CERTIFICATION



Varsha S R, student of
Third year IT C has
successfully completed
“**AWA Certified Cloud
Practitioner**” by AWS.

MCT | MACHINE LEARNING APPLICATIONS IN MANUFACTURING



Deepak kumar G, Ashifahamed .B, Kevin Soman, Dharun.R, Mohammed Zahid.B, Henry.A.E, Kaleeshwaran.S, Kaamesh . KJ, students of Final year MCT have participated in a Six – Day SPARC Workshop on “**Machine Learning Applications in Manufacturing**” sponsored by Scheme for promotion of Academic and Research Collaboration (SPARC), MHRD, GOI in collaboration with Clemson University, USA and University at Buffalo, Suny, NY and organized by the Department of Mechanical Engineering, **National Institute of Technology, Warangal** from 15th to 20th July, 2024.

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EVENTS



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CIVIL | CONSTRUCTIVE STRUCTURAL DESIGN OF RCC BUILDINGS



Higher Education Cell of **Civil Engineering Department** organized a seminar on “**Constructive Structural Design of RCC Buildings**” on 23.7.2024. The resource person for the event was **Er. B. Kamaraj**, Structwell Consulting Structural Engineer.

Key Takeaways:

- Design fundamentals such as load calculations, structural behavior and material properties.
- Practical knowledge on applying design codes to ensure compliance and safety.
- Introduction to software tools for structural analysis and design verification.
- Strategies for risk assessment and mitigation in RCC design and construction.

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TUTOR WARD MEETING



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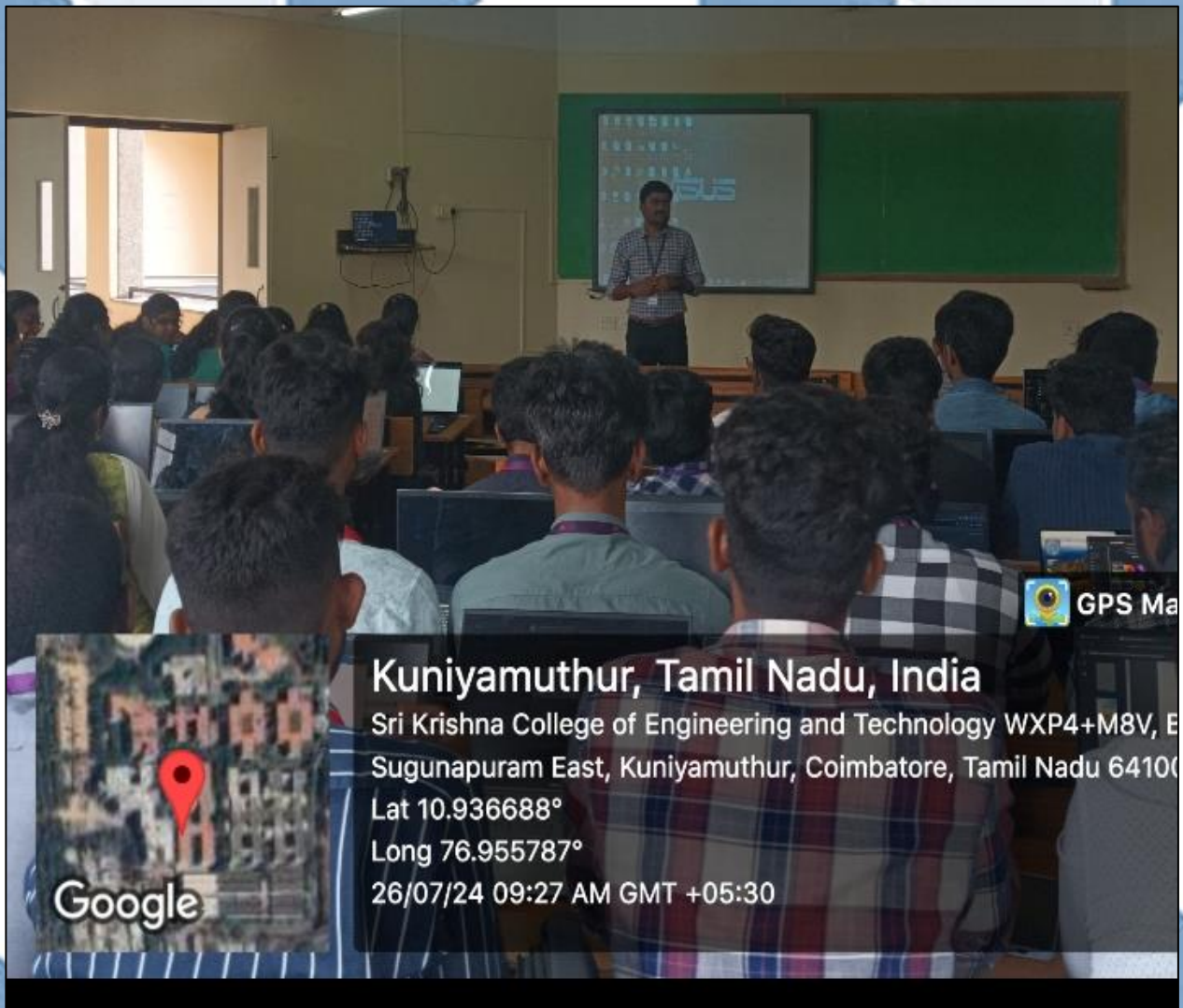


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AI&DS | TUTOR WARD MEETING



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 Class, Participation in hackathon, workshop, Curriculum of the upcoming semester, motivated students to effectively participate in events and placement activities.

CSE(CY) | CLASS COMMITTEE MEETING



Department of **Computer Science and Engineering (Cyber Security)** conducted **Class Committee Meeting** for the **Second-year** students on 07.08.2024. **Dr. G. Edwin Prem Kumar**, Professor - IT, chaired the meeting.

Pointers of Discussion:

Academic schedules, Regulations and syllabus coverage, Teaching learning process, Assessment methods, Importance of Continuous learning and personal growth, Feedback methods and Hackathon Participation.

AI&DS | TUTOR WARD MEETING



Mr.K.Balaji, Assistant Professor, Department of **Artificial Intelligence and Data Science** have conducted **Tutor Ward Meeting** for the **Final** year students on 30.07.2024. The pointers of discussion were: Curriculum of the upcoming semester, motivated students to effectively participate in practice test, internship and placement activities.

EEE | TUTOR WARD MEETING



Ms.G.Mahalakshmi and Mr.S.Karthikeyan, Assistant Professors, Department of Electrical and Electronics Engineering conducted Tutor Ward Meeting for the Second year students on 05.08.2024.

Pointers of discussion:

- Curriculum of the upcoming semester
- NeoCodeathon - July edition prelims completion status
- Importance of daily attendance
- Importance of industrial course sessions
- Motivated students to participate in Hackathons, Events and Placement activities.

CSBS | CLASS COMMITTEE MEETING



Kurichi, Tamil Nadu, India

WXP4+R8W, BK Pudur, Sugunapuram East, Kurichi, Coimbatore, Tamil Nadu

641008, India

Lat 10.937294°

Long 76.955799°

07/08/24 12:50 PM GMT +05:30

Department of **Computer Science and Business Systems** conducted **Class Committee Meeting** for the **Second year** students on 07.08.2024.

Dr. T. Sujatha, Associate Professor , AI&DS, chaired the meeting.

Pointers of Discussion:

- Learning objectives, curriculum, lesson plans, teaching methods and resources.
- Assessment strategies including CIA exams and presentations.
- Methods for providing and receiving feedback, participation in hackathons
- Information was shared about upcoming guest lectures, workshops, technical events, training opportunities and placement activities.

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SKCET | PLACEMENT TESTIMONIALS

My name is Dhivakaran, from the 2024 batch of Artificial Intelligence and Data Science. I am writing to express my sincere gratitude for the invaluable guidance and support provided throughout my placement journey at SKCET. Your dedication and commitment to helping students like me secure placements are truly commendable. As a result, I secured an internship at Securonix and am now working full-time as a Product Management Analyst.

The placement classes, frequent tests, and sessions conducted by the AI&DS department were instrumental in enhancing my skills and boosting my confidence. I am particularly impressed by the department staff's tireless efforts in imparting knowledge and skills, making the entire process smooth and enriching. Your expert advice and mentorship have been invaluable in shaping my career path.

I am truly grateful for the opportunities you have provided and for believing in my potential. I will always cherish the knowledge and experiences gained during my time at SKCET.



**DHIVAKARAN
AIDS (2020-2024)
SECURONIX**

SKCET | PLACEMENT TESTIMONIALS

I am Geethaprabha K, a 2024 graduate of the Information Technology program. My experience at SKCET was truly remarkable, with numerous opportunities for growth in a positive and inspiring environment. Through research projects and internships, SKCET provided a comprehensive platform for success in both extracurricular and academic activities. The knowledge and experiences I've gained have not only equipped me for success in my chosen field but also enhanced my technical, leadership, and communication skills, all of which are essential for a successful career.

The supportive atmosphere at SKCET has been instrumental in my personal and professional development. I would like to express my sincere gratitude to the placement cell for their excellent guidance, which helped me secure an opportunity at FORD. With continuous support and a wonderful platform for both professional and personal growth, I am incredibly grateful to my parents, SKCET Management, the Principal, and the entire SKCET family.

GEETHAPRABHA K
IT (2020-2024)
FORD



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R&D | JOURNAL PUBLICATION | MECH



IMPROVING MECHANICAL AND TRIBOLOGICAL CHARACTERISTICS OF CAST ELEKTRON 21 ALLOY BY REINFORCING ITS SURFACE WITH $Al_{0.3}Cu_{0.3}Ni_{0.1}Si_{0.1}W_{0.2}$ HIGH ENTROPY ALLOY VIA FRICTION STIR PROCESSING ROUTE

R. Soundararajan¹ and A. Sathishkumar²

¹Department of Mechanical Engineering, Sri Krishna College of Engineering and Technology, Coimbatore, India

²S. Sivasankaran³

³Department of Mechanical Engineering, College of Engineering, Qassim University, 51452 Buraydah, Saudi Arabia

Abdullah Alhomidan

⁴Department of Mechanical Engineering, College of Engineering, University of Akron, Akron, OH 44325-3903, USA

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<https://doi.org/10.1007/s40962-024-01415-4>

Abstract

The primary objective of this investigation is to strengthen the mechanical and tribological properties of the cast Elektron 21 alloy (UNS M12310) by reinforcing its surface with a high entropy alloy (HEA) consisting of 0.3 wt% aluminum, 0.3 wt% copper, 0.1 wt% nickel, 0.1 wt% silicon, and 0.2 wt% tungsten fabricated by friction stir processing (FSP). The resulting Elektron 21/HEA surface composites (SCs) processed through casting followed by FSP were compared to the cast followed by FSP Elektron 21 alloy, exhibiting significant enhancements in mechanical properties and wear resistance. The surface of the Elektron 21 matrix, which underwent casting followed by FSP, showed a homogeneous dispersion of HEA particles. These particles served as precipitates, creating geometrically necessary dislocations that hindered movement under applied force. The bonding between the HEA and the Elektron 21 alloy at the interface was excellent, and differential thermal contraction resulted in a strain misfit. Consequently, the microhardness, yield stress, and ultimate tensile stress of the FSPed Elektron 21/HEA SCs improved by 38%, 37%, and 32%, respectively, compared to the FSPed Elektron 21 alloy, although ductility decreased by 33%. Furthermore, the FSPed Elektron 21/HEA SCs showed a 33% enhancement in wear resistance and a 27% reduction in frictional force generation compared to the FSPed Elektron 21 alloy. The worn surfaces of the FSPed specimens showed that the FSPed Elektron 21 alloy revealed deep grooves, pits, micro-cutting, micro-grooving, and ploughing, while these features were absent in the FSPed Elektron 21/HEA SCs. These outcomes make it better suited for use in the aviation and automotive sectors.

Dr.R.Soundararajan, Associate Professor and Dr.A.Sathishkumar, Assistant Professor, Department of Mech has published a research article entitled “Improving mechanical and tribological characteristics of cast elektron 21 alloy by reinforcing its surface with $Al_{0.3}Cu_{0.3}Ni_{0.1}Si_{0.1}W_{0.2}$ high entropy alloy via friction stir processing route” in the International Journal of Metalcasting (Springer). It is indexed in Scopus & Science Citation Index Expanded (Q2) with an impact factor of 2.6.

R&D | JOURNAL PUBLICATION | CIVIL

Ms. R. Hemavathi, Assistant Professor, Department of Civil Engineering, has published a research article titled “Evaluation of concrete performance incorporated with amine group corrosion inhibitor” in Revista Materia. It is indexed in Scopus and WoS.

REVISTAMATĒRIA

V.29 N.3

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Evaluation of concrete performance incorporated with amine group corrosion inhibitor

Yuvaraj Subramanian¹, Nirmalkumar Krishnaswami², Rajeshkumar Viswanathan¹, Hemavathi Ramasamy³

¹KPR Institute of Engineering and Technology, Department of Civil Engineering, 641407, Coimbatore, India.

²PGP College of Engineering and Technology, Department of Civil Engineering, 638052, Namakkal, India.

³Sri Krishna College of Engineering and Technology, Department of Civil Engineering, 641008, Coimbatore, India.
 e-mail: yuvarajsbecivil@gmail.com, nirmalkavi1979@gmail.com, rajeshcit16@gmail.com, hemavathir@skcet.ac.in

ABSTRACT

The current investigation concentrates on evaluating the performance of inhibitors added to concrete to resist corrosion. Specimens were cast with different mix proportions involving various combinations of inhibitors of M30 grade prepared as per Indian standards. For investigating the performance of inhibitors added in the concrete of M30 grade various tests such as pH measurement, Weight loss measurement, OCP otherwise known as rest potential measurement, impressed voltage, Rapid Chloride Penetration test and determination of chloride diffusion coefficient were conducted. To evaluate the strength parameters tests were conducted on the casted specimens of concrete. The tests include compression strength test, flexural and strength test. Results indicated that amine compound-based inhibitor has a more pore-clogging impact which blocks chloride ingress. The polarization and impedance behavior of steel in concrete after the electrochemical injection process exhibited a considerable reduction in the occurrence of the rate of corrosion in steel reinforcement despite the severe chloride ions. IR spectra observations recorded the existence of inhibitor molecules on the embedded steel surface.

Keywords: Corrosion inhibitor; Corrosion efficiency; Concrete strength; Chloride diffusion coefficient; IR spectroscopy.

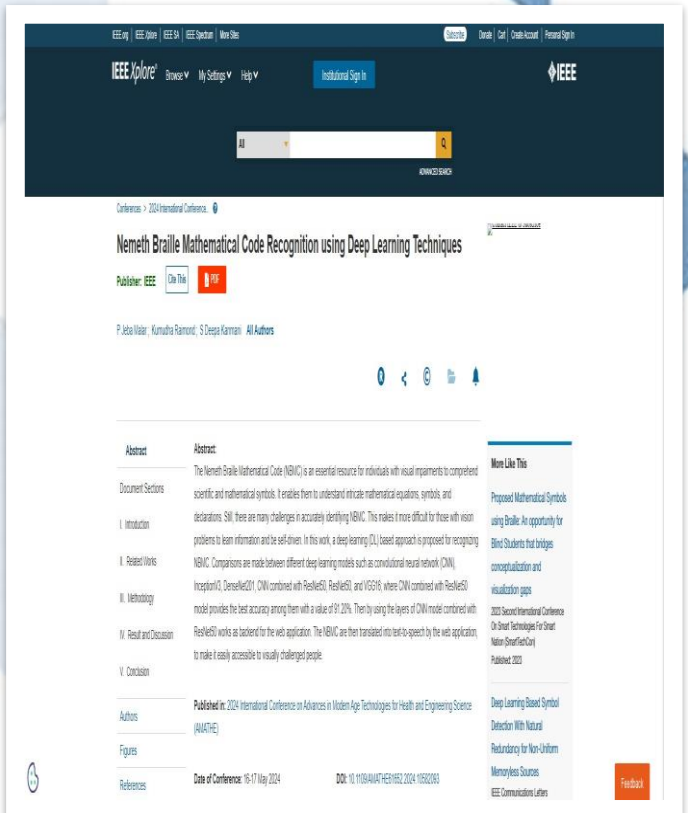
R&D | PATENT PUBLICATION | MCT



Dr. S. Madhankumar, Assistant Professor of **MCT** Engineering has filed a design patent on **“Self Cleaning Bench”**, along with **S. Eric Allan, Akshyan P, S. Abishek** and **C. Clifford Wesley** students of Second year MCT.

R&D | PAPER PUBLICATION | IT

Dr. S. Deepa Kanmani, Associate Professor, IT has published a conference paper titled **“Nemeth Braille Mathematical Code Recognition Using Deep Learning Techniques”** in the IEEE conference 2024 International Conference on Advances in Modern Age Technologies for Health and Engineering Science (AMATHE). It is also indexed in Scopus.



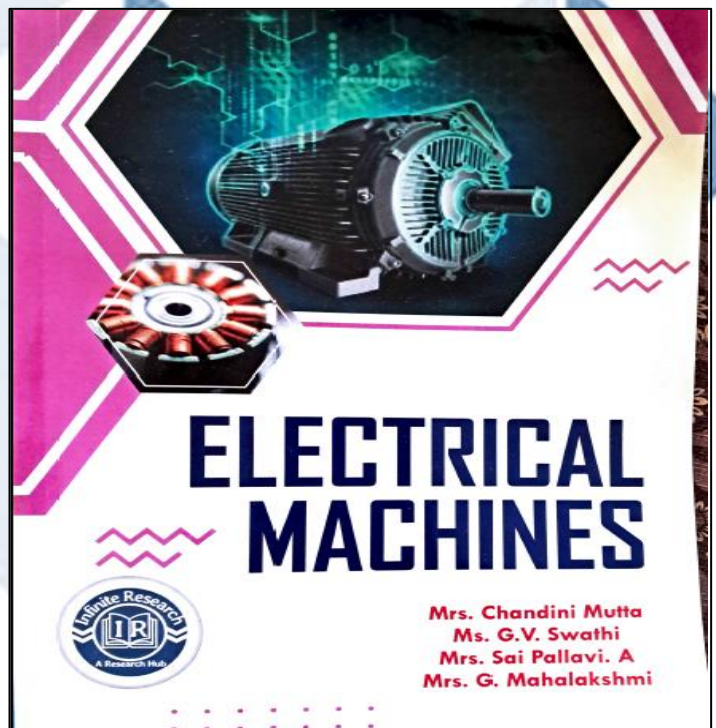
R&D | PATENT PUBLICATION | MCT



Dr. S. Madhankumar,
Assistant Professor of MCT
Engineering has filed a
design patent on “**Vehicle
Silencer**”, along with
Second year students
**K.Vikas, S Shityash,
S. Varun and N.S.Sarath.**

R&D | BOOK PUBLICATION | EEE

Ms. G. Mahalakshmi, Assistant
Professor, **EEE** Department, has
published a book entitled
“**Electrical Machines**” on July
2024 with ISBN Number: 978-
81-975273-5-7 by **Infinite
Research Publications.**



R&D | PATENT PUBLICATION | MCT



Dr. S. Madhankumar, Assistant Professor of MCT Engineering has filed a design patent on **“Piezo Electrically ReGenerative Tyre Rim”**, along with Second year students **M. P. Vishwa, Vishnudev.K.S, Siva Suriyan .M and Shakthi Siddarth S.K and Mr.Rubhavanan.N.**

R&D | PAPER PUBLICATION | ECE

Mr.S.P.Karthi, Assistant Professor, Department of **ECE** has published his conference paper on **“Machine Learning Based Heart Disease Prediction Using Feature Optimization Algorithm”** in the 2024 Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM). It is a Scopus Indexed Conference.



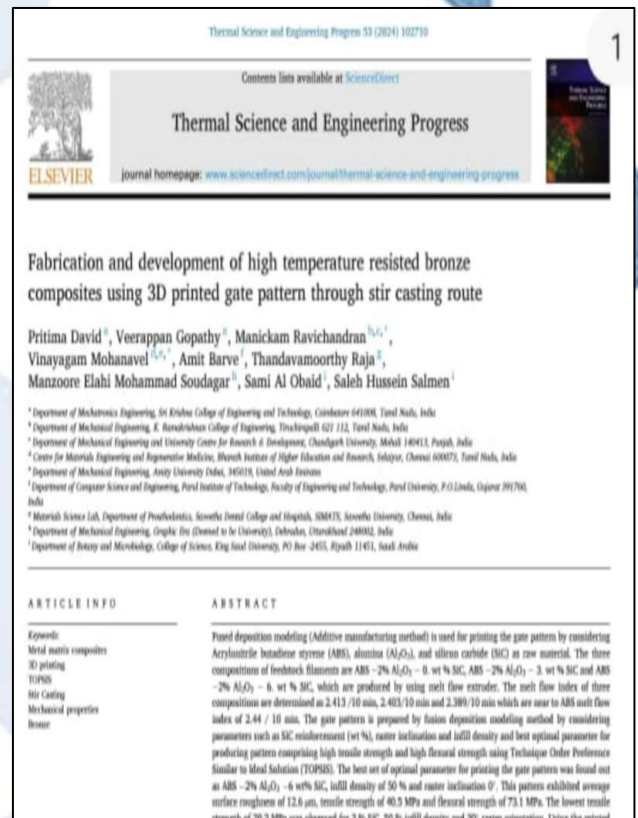
R&D | DESIGN PATENT GRANT | CSE



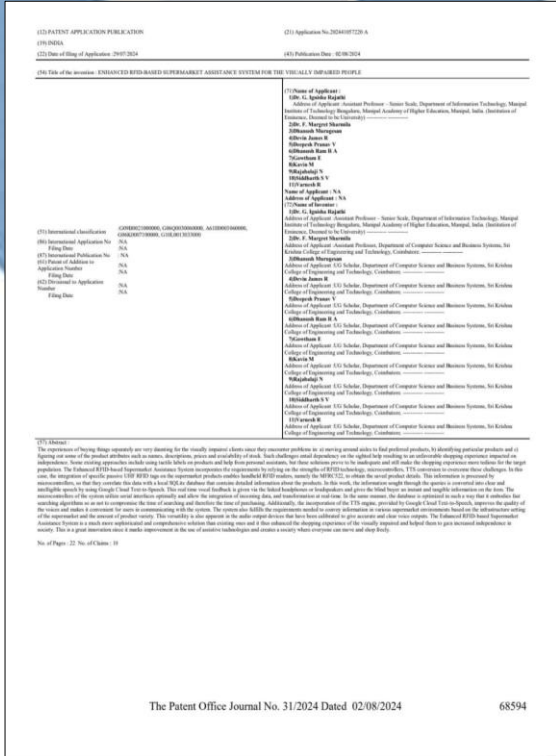
The Patent titled “Cloud Computing Device for Enhanced Network Security” filed by **Dr. Reshma V.K** Associate Professor, **CSE**, has been granted by The Patent Office, Government of India, Certificate of Registration of Design, issued on 2.08.2024.

R&D | PAPER PUBLICATION | MCT

Dr. D. Pritima, Professor and **Dr. G. Veerappan**, Associate Professor of **MCT** Department have published a paper entitled “Fabrication and Development of High Temperature Resisted Bronze Composites using 3D Printed Gate Pattern through Stir Casting Route”, in Thermal Science and Engineering Process (Elsevier Q1) with an impact factor of 5.1.



R&D | PATENT PUBLICATION | CSBS



Dr. F. Margret Sharmila, Assistant Professor, **CSBS** along with the students **Dhanush, Devin Jemes, Deepesh, Dhanush Ram, Gowtham, Kavin, Rajabalaji, Siddharth, Varnesh** has published a patent titled **"Enhanced RFID Based Supermarket Assistance System for the Visually Impaired People"**, in the Patent Office, Government of India on **02.08.2024.**

R&D | BOOK CHAPTER | MECH

Dr. R. Ramamoorthi, Associate Professor in the Department of **Mechanical Engineering**, contributed a chapter titled **'A Review of Natural Biofiber-Reinforced Polymer Matrix Composites'** to the book **Evolutionary Manufacturing, Design, and Operational Practices for Resource and Environmental Sustainability."**

WILEY Online Library Search

Chapter 11

A Review of Natural Biofiber-Reinforced Polymer Matrix Composites

K. Manickaraj, R. Ramamoorthi, R. Karuppasamy, K. R. Sakthivel, B. Vijayaprakash

Book Editor(s): Kamalakanta Muduli, Sachindra Kumar Rout, Sunil Sarangi, Sardar M.N. Islam, Aezeden Mohamed

First published: 02 August 2024 | <https://doi.org/10.1002/9781394198221.ch11>

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MECH | RESEARCH SUPERVISOR RECOGNITION

	<p>CENTRE FOR RESEARCH ANNA UNIVERSITY CHENNAI - 600 025</p>	
<p>Dr. C.UMARANI DIRECTOR</p>	<p>Telephone : +91-44-2235 7366/2235 0361 Fax : +91-44-2220 1213 Email : dirresearch@annauniv.edu dirresearch@gmail.com</p>	
<p>Lr. No: SUPR/AR2</p>	 Date : 30.07.2024	
<p>To Dr. Balamurugan S Assistant Professor Department of Mechanical Engineering Sri Krishna College of Engineering and Technology Kuniamuthur, Coimbatore-641008</p>		
<p>Sir/Madam,</p>		
<p>Sub : Ph.D.Programme - Supervisor Recognition - Approved - Orders - Issued. Ref : Your application for Supervisor Recognition.</p>		
<p>*****</p>		
<p>I am by direction to inform that you are recognized as a Supervisor (Ref.No: 4420002) for guiding Ph.D. scholars of this University under the faculty of Mechanical Engineering.</p>		
<p>Area of Specialization: "IC Engines, Biodiesel, Alternate Fuels, Optimization"</p>		
<p>The functions and responsibilities of the supervisor are described under clause (7.0) of the Ph.D. Regulations of this University and applicable as and when amendments are made to the Regulations from time to time.</p>		
<p>It should be noted that Supervisors should create their profile using the "New Registration" tab under the "Supervisor web portal" available on the homepage of the Centre for Research website. Supervisors are expected to strictly adhere to the Ph.D. Regulations (refer to CFR website) when they begin guiding the scholars.</p>		
<p>Further for any correspondence in future quote 4420002 for reference.</p>		
<p>Copy to:</p>	 DIRECTOR	
<p>The Head Department of Mechanical Engineering Sri Krishna College of Engineering and Technology Kuniamuthur, Coimbatore-641008</p>		

Dr. S. Balamurugan, Assistant Professor in the **MECH** Department, received supervisor recognition approval from Anna University, Chennai on 01.08.2024 for guiding Ph.D. scholar of the University under the faculty of Mechanical Engineering.

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CSE | INFOSYS CERTIFICATION



Dr.V.Vijeya Kaveri, Professor, Computer Science and Engineering has been awarded **Infosys Springboard Certification** for successfully completing **”Agile Scrum Certification”** on August 6th, 2024.

MECH | EFFECTIVE CASE STUDY WRITING FOR ACADEMIC EXCELLENCE

Mr.S.Balu Mahandiran, Assistant Professor, Department of **MECH**, has successfully participated in the National Level Faculty Development Program on “Effective Case Study Writing for Academic Excellence” held on July 27th, 2024, organized by Symbiosis Centre for Distance Learning (SCDL).



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MECH | ALUMNI RECOGNITION

ஜெ. மேகநாத் ரெட்டி, இ.ஆ.ப.

தலைமை செயல் அலுவலர் / உறுப்பினர் செயலர்

J. MEGHANATHA REDDY, I.A.S.

Chief Executive Officer / Member Secretary



தமிழ்நாடு விளையாட்டு மேம்பாட்டு ஆணையம்
SPORTS DEVELOPMENT AUTHORITY OF TAMIL NADU

ஜவஹர்லால் நேரு விளையாட்டு அரங்க வளாகம், பெரியமேடு, சென்னை - 600003.
Jawaharlal Nehru Stadium Complex, Periamet, Chennai - 600003.

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D. O. Letter No.2648/YW-1/2024, Dt.07.08.2024

Dear *Tmt. Alagumeena avel,*

Sub:	Chief Minister's State Youth Award for the year 2024 – Awardees selected – Arrangement to be made for the Chief Minister of Tamil Nadu felicitation function on 15.08.2024 during Independence Day celebrations – Details sending of - Reg.
Ref:	1. Government Lr.No.730/YW2/2024-1, YW&SD Dept., Dt.01.03.2024. 2. This Office Lr.No.2648/YW-1/2024,dt.22.4.2024 and 10.7.2024. 3. Government Lr.No.730/YW2/2024-6, Dt.12.07.2024. 4. State level Selection Committee Meeting held on 16.07.2024 under the Chairmanship of the Additional Chief Secretary to Government, Youth Welfare & Sports Development Department, Secretariat, Chennai. 5. G.O.Ms.No.31, YW & SD (YW2) Dept., Dt.06.08.2024.

In continuation to the references above, I wish to inform you that **Thiru M. Joshan Regobert, S/o. Monimaran. M, No. 6-3, Peter Street, Kesavan Puthen Thurai Kanniyakumari - 629 501** is selected for the Chief Minister's State Youth Award for the year 2024.

Further, I am to inform that the Hon'ble Chief Minister of Tamil Nadu will present the Cash award, citation and medal to the above awardee during the Independence Day celebration on 15.08.2024 to be held at Secretariat, Chennai.

At this juncture, I am to inform that the awardee should report to this Office address SDAT Head Office, Jawaharlal Nehru Stadium, Raja Muthiah Road, Periyamet, Chennai-600 003 on **13.08.2024 before 5.00 p.m.** so as enable his to attend the rehearsal scheduled to be held on 14.08.2024 at 6.00 a.m. at Secretariat, Chennai.

I request you to extend kind co-operation in this regard.

Yours sincerely,

Alk Regobert
JCR 07.08.24
(J. Meghanatha Reddy)

To

Tmt R. Alagumeena, I.A.S.,
District Collector,
Kanniyakumari - 629 001

Copy to: The District Sports & Youth Welfare Officer, Kanniyakumari.

Mr. M. Joshan Regobert, a 2024 graduate from the Mechanical Engineering Department, has been selected to receive the Chief Minister's State Youth Award for 2024. He is being honoured for his outreach activities through his organization, Helping Hand for Helpless (HHH). The award ceremony will take place on August 15, 2024, at the Secretariat in Chennai.

AI&DS | ALUMNI - ARTICLE

GENERATIVE AI: A TECHNOLOGICAL REVOLUTION IN THE MAKING

In recent years, the tech world has witnessed an explosive growth of artificial intelligence (AI), but one branch stands out for its potential to revolutionize industries: Generative AI (GenAI). By creating data, content, and solutions that mirror human creativity and intelligence, GenAI is poised to reshape the IT industry and beyond. Here's a closer look at what makes this technology so ground breaking and how it will drive the next wave of innovation.

The Rise of Multimodal Models

Remember the days when AI could only process one type of data at a time? Those days are long gone. The latest GenAI models are breaking down barriers between text, image, and even audio processing.

Take DALL-E 3, for instance. This marvel can generate hyper-realistic images from text descriptions with unprecedented accuracy. Imagine describing your wildest dreams to an AI and watching them materialize before your eyes. It's not just a tool; it's a portal to unlimited creativity.

Language Models That Understand Context

We've all had those frustrating moments with chatbots that just don't get it. But the latest language models are changing the game. GPT-4 and its counterparts are now capable of understanding context, nuance, and even humor at a level that's eerily human-like.

During a recent conference, I witnessed a GPT-4 powered assistant engage in a complex debate on climate policy. Its ability to grasp subtle arguments and respond with nuanced counterpoints left the audience in awe. It's not just about answering questions anymore; it's about meaningful dialogue.

AI That Learns from Less

One of the most ground breaking advancements in GenAI is the development of few-shot and zero-shot learning models. These AI systems can perform tasks with minimal or even no specific training examples. Imagine an AI that can translate a rare language it's never seen before or diagnose a medical condition from just a handful of examples.

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This isn't science fiction—it's happening now. The implications for fields like healthcare, education, and scientific research are staggering.

Ethical AI: The Next Frontier

As GenAI becomes more powerful, the focus on ethical development has intensified. Recent advancements aren't just about capability; they're about responsibility. AI systems are now being designed with built-in safeguards against bias and misuse. One particularly promising development is the creation of "explainable AI" models. These systems can not only make decisions but also provide clear reasoning for those decisions. It's a crucial step towards building trust and accountability in AI systems.

The Road Ahead: Opportunities and Challenges

As GenAI becomes more integrated into the IT industry, there will be a growing need for transparency and explainability in AI models. Understanding how AI systems make decisions is crucial for ensuring accountability and compliance with regulatory standards.

Conclusion

Generative AI represents a transformative leap in technology, with the power to revolutionize the IT industry and beyond. By automating complex tasks, enhancing security, personalizing user experiences, and driving innovation in hardware design, GenAI is poised to become an indispensable tool in the tech landscape. As we stand on the brink of this new era, the focus must remain on harnessing the benefits of GenAI while addressing its ethical and technical challenges. The journey of Generative AI has only just begun, and its potential to shape the future of technology is limitless. By embracing this revolutionary tool, the IT industry can unlock unprecedented levels of efficiency, creativity and innovation.

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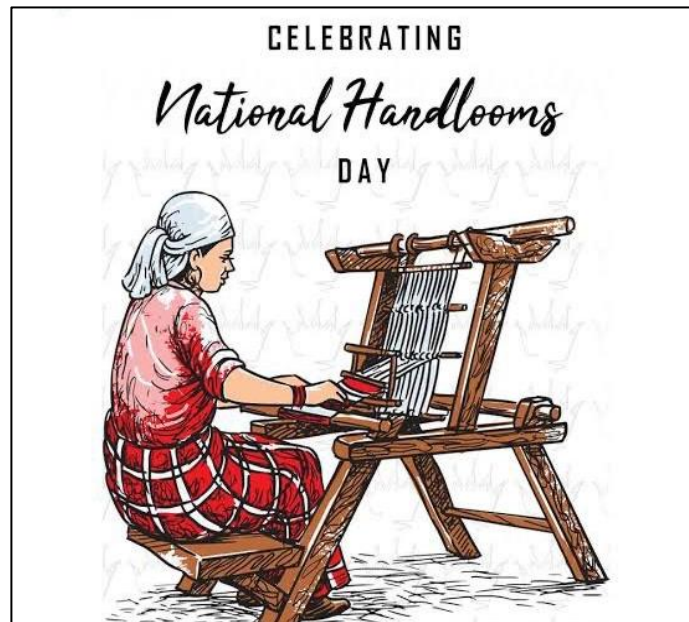


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ECE| NATIONAL HANDLOOM DAY: A TRIBUTE TO INDIA'S RICH TEXTILE HERITAGE



On August 7th, India celebrates National Handloom Day, a day dedicated to honoring the artistry and craftsmanship of handloom weavers across the nation. This date is not just a commemoration of the Swadeshi Movement of 1905, which encouraged the use of indigenous products and boycotting of British goods, but also a celebration of India's diverse and vibrant textile traditions.

The handloom industry holds a special place in India's cultural and economic fabric. It is a sector deeply intertwined with the country's heritage, providing livelihoods to millions, especially in rural areas. Handloom weaving is an ancient art that has been passed down through generations, and it continues to be a vital part of India's identity.

- Suja.S, IV ECE

ECE | REMEMBERING THE QUIT INDIA MOVEMENT: A CALL FOR FREEDOM



On August 8, 1942, a powerful call for independence echoed across India, marking the launch of the Quit India Movement, also known as the August Kranti. Led by Mahatma Gandhi, this pivotal movement became a cornerstone in India's struggle for freedom from British colonial rule. As we commemorate this historic event, it is essential to reflect on its significance and the enduring legacy it has left behind.

The Quit India Movement was born out of growing frustration and disillusionment with British rule, especially during the turbulent period of World War II. The British decision to involve India in the war without consulting its leaders was met with widespread anger. The failure of the Cripps Mission, which offered only limited self-governance, further fueled the demand for complete independence.

- Suja.S, IV ECE