

27th April - 03rd May 2024



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INSIDE THIS ISSUE

* INSTITUTIONAL EVENTS	: PG 03 - 04
* STUDENTS PROGRESSION	: PG 05 - 14
* STUDENTS CERTIFICATION	: PG 15 - 21
* EVENTS	: PG 22 - 32
* PLACEMENT AND TRAINING	: PG 33 - 36
* RESEARCH AND DEVELOPMENT	: PG 37 - 41
* FACULTY CERTIFICATIONS	: PG 42 - 47
* CONFERENCE PRESENTATION	: PG 48 - 50
* ALUMNI CORNER	: PG 51 - 53
* CREATIVE CORNER	: PG 54 - 58

27th April - 03rd May 2024 | Weekly Newsletter





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MECH | AUTODESK AND ICT ACADEMY TEAM VISIT



Autodesk's Educational Account Manager **Mr. Anand Pujar** and **ICT Academy** team interacted with **Dr. S. Sophia**, Principal Incharge and Heads of **Mechanical**, **Mechatronics** and **Civil Engineering** departments on April 30th, 2024 to discuss about the integration of advanced Autodesk software like Fusion 360 into the curriculum and also expressed interest in collaborating on technical events such as symposiums, workshops for students and Faculty Development Programs.

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STUDENTS PROGRESSION



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AI&DS | CODE RELAY



Kanish Yathra Raj R, II - year AI & DS student participated in KALAM 24 event hosted by Sri Shakthi Institute of Engineering Technology and won First Prize with Cash award.

EVENT: TEAM CODING CONTEST

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M.Tech CSE | SAP PSG I-TECH HACK FEST 2024



Second year student team **Code Crafters** from the Department of **M.Tech CSE** has advanced to the final round among the top 10 teams in the SAP PSG I-TECH HACK FEST 2024 Regional Round held on 25th and 26th April 2024 organized by CSBS Department, KPRIET College of Engineering and Technology,Coimbatore.

Team Members:

Jefferson Wesley P - II Year M.Tech CSE Pratika B - II Year M.Tech CSE Kamalan CS - II Year M.Tech CSE Navis Luffina - II Year M.Tech CSE



CSE | CODE RELAY



Second year student team from the Department of **CSE** has participated in the Code Relay contest conducted as a part of **Kalam 24** event hosted by Sri Shakthi Institute of Engineering Technology and has won **First & Second Prizes** with Cash award.

Team Name: Team Coding Contest

Team Members:

- Sriram R, II CSE C First Prize
- Rokhithran S, II CSE C Second Prize



CSE | GENAI CONNECT MINI-HACKATHON 2024

StartNet. @ Growbinar. Zauto.ai GENAI.CONNECT MINI HACAKATHON 2024
Cerlificale of Parlicipation
This is to confide that SAL SIDHARTHAN H
has participated in GenAL Connect. Mini-Hackathon 2024, organized by StarNet, Zauto Al
and Growbinar on 27-04-2024 in Hotel Radisson, Bangalore Highway, Salem, TamilNadu.
W. L. C. Y. Mr. diffibultaran Mr. Gliffibultaran Founder and CEO Stanlet Mr. Galendarand CEO Zaulo Al Mr. Galendar Founder and CEO Zaulo Al

H. Sai Sidharthan and R. Sri Manikandan, students of Second year CSE C have participated in GenAI connect, Mini-Hackathon 2024, organized by Startnet, Zauto AI and Growbinar on 27.04.2024 at Hotel Radisson, Bangalore Highway, Salem, Tamilnadu.

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CSE | BUSINESS PLAN COMPETITION -VYAPAAR'24 WINNERS



Second year student team from the department of **CSE** have won prizes in the Business Plan Competition - Vyapaar'24 conducted by School of Management, SKCET on 29.04.2024. Students showcased their innovative ideas, entrepreneurial skills and business acumen and won the prizes.

First prize - II Yr CSE C

- Sri Manikandan R
- Sai Sidharthan H

Third prize - II Yr CSE B

- Nikila B
- Karthick C



ECE | HACKFEST PARTICIPATION



Aathithiyan A S, Guhan A, Harin M and Dhayanidhi L V, students of Second year ECE have participated in HACKFEST '24 - a regional level hackathon conducted by KPR Institute of Engineering and Technology, Coimbatore.

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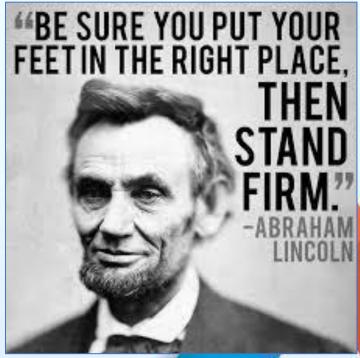


ECE | STUDENT ACCOLADE



Mr.Haniel Johnson, student of **First** year **ECE** A has participated in **HACKFEST' 24** held at KPRIET.

LEGANDARY INSIGHT





AI&DS | INTERNSHIP @ GUVI



Logesh S and Vanisri S, students of **Second** year **AI & DS** have bagged Internship offers at GUVI. This internship opportunity entails a six-month duration following the conclusion of their Second year of studies. During the Second year, interns will receive a stipend of Rs 6,000/- per month. This is the 1st time the students have offered Internship at Guvi.



MECH | STUDENTS ACHIEVEMENT IN MECHNATRON SYMPOSIUM



Students of **Second** year **Mechanical Engineering** showcased their prowess at the "Mechnatron" symposium hosted by Coimbatore Institute of Technology on 26th April 2024, leaving a mark of excellence in various events.

Students have secured the following awards in the events.

Event:Web Craft **Prize:** 1st Prize **Student Name**: Sanjaysudhan

Event:Web Craft Prize: 2nd Prize Student Name: Sakthivel

Event: Coders Crusade Prize: 3rd Prize Student Name: Raja Gopal.R

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STUDENTS CERTIFICATION



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TECHNOHACKS

AI&DS | TECHNOHACKS CERTIFICATION



Ш

This certificate is proudly awarded to

Mary Jerushiya A

For successfully completing an internship on

Data Analytics

from **23/03/2024** to **22/04/2024** at **TechnoHacks EduTech.** During this internship, we found him/her consistent and hardworking. We wish all the best for future endeavours.

Certificate ID : TH01080











Mary Jerushiya A and Tharun Kumar M of First year Al&DS B students have successfully completed their internship on "Data Analytics", at TechnoHacks EduTech from 23.03.2024 to 22.04.2024.

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AI&DS | TECHNOHACKS CERTIFICATION



Sanjay M of First year AI&DS B student has successfully completed his internship on "Machine Learning", at TechnoHacks EduTech from 23.03.2024 to 22.04.2024.



Shibani Shree S of First year AI&DS B student has successfully completed her internship on "Data Sciences", at TechnoHacks EduTec from 23.03.2024 to 22.04.2024.

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M.Tech CSE | WIPRO CERTIFICATION PROGRAM



Dr.A.Pushpalatha, Associate Professor, Department of M.Tech Computer Science and Engineering has successfully completed the advanced technology training program conducted by TalentNext in association with Wipro on AI and ML from 22.4.2024 to 26.4.2024.

AI&DS | WORKSHOP - GenAI

Gokul Srinivasan Prabu, student ofFirst year Al&DS A has participatedinaworkshop"GenAlCraftsmanship: Mastering PromptEngineering", event hosted byYugam, Kumaraguru College ofTechnology on 20.04.2024.



CERTIFICATE OF PARTICIPATION

This certifies that <u>ockul SRINIVASAN PRABU</u> has participated in a workshop on <u>GenAl Craftsmaship: Mastering Promt Engineering</u> held on <u>20</u> March, 2024 during YUGAM, A Mega Techno Cultural Sports Fest at Kumaraguru Institutions, Coimbatore.

42phipme Dr. Ezhilarasi M Principal, KCT

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AI&DS | CODSOFT CERTIIFICATION



Pranesh J S, student of **First** year **AI&DS B** student has successfully completed his internship on "Python Programming", at **CODSOFT** from 01.03.2024 to 31.03.2024.



Varsini S J of First year **AI&DS B** student has successfully completed her internship on "**UI/UX Design**", at **CODSOFT** from 01.03.2024 to 31.03.2024.

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IT | NPTEL CERTIFICATIONS

Elite Image: Display bound of the model of t
Jan-Mar 2024 Prof. Haimanti Banerji Coordinator, NPTEL (8 week course) IIT Kharagpur
Indian Institute of Technology Kharagpur
Roll No: NPTEL24HS06S253501479 To verify the certificate No. of credits recommended: 2 or 3
Elite NPTEL Online Certification (Funded by the MoE, Govt. of India) This certificate is awarded to
for successfully completing the course Emotional Intelligence
with a consolidated score of 73 %
Online Assignments 21.42/25 Proctored Exam 51.75/75
Total number of candidates certified in this course: 2716
Jan-Mar 2024 (8 week course) Prof. Haimanti Banerji Coordinator, NPTEL IIT Kharagpur
Indian Institute of Technology Kharagpur
Roll No: NPTEL24HS06S253501367 To verify the certificate No. of credits recommended: 2 or 3

Shanjay S P and Nivedha B, students of First year **IT** have successfully completed NPTEL course on **"Emotional Intelligence"** with **Elite Grade** certified by NPTEL Swayam.



AI&DS | HACKER RANK ROLE CERTIFICATION



Bharatwaj.P	P.R, stuc	lent of	First
year AI & DS A has successfully			
completed	Hacker	rank	role
certification	ex	am	on
28.04.2024.			

HEALTHOGRAPHICS



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EVENTS



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MCT | GUEST LECTURE ON EFFECTIVE GOAL SETTING AND ACHIEVEMENT



Department of **Mechatronics Engineering** organized a Guest Lecture on **Effective Goal Setting and Achievement** on 26.04.2024.

Resource Persons: Mr.Justus Zachariah, Life coach and Mrs. Shiby Justus Career counselor, We-serve Life Builders Coimbatore.

Session Highlights:

- Emotional Intelligence
- Self-awareness
- Tips for goal setting
- Obstacles of goal setting
- SMART goal setting

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MCT | GUEST LECTURE ON GLOBAL TRENDS IN ROBOTICS



Department of **Mechatronics Engineering** organized a Guest Lecture on **Global Trends in Robotics** for the Second year MCT students on 29.04.2024.

Resource Person:Dr. Rammohan S, Associate Professor, Department of Mechanical Engineering, Amrita School of Engineering, Coimbatore.

Session Highlights:

- History of Robotics
- Programmable Robots
- Robotics in Manufacturing
- Robotics in Inspection
- Industrial Applications
- Industrial Robots vs Cobots
- The Future AGV

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EEE | ASSOCIATION VALEDICTORY



Department of **EEE** organized its Association Valedictory and Seminar on 'Product Development', for EEE Students on 26.04.2024. The Chief Guest **Mr. G.Saravanan** - Project Lead (Hardware), Suprajit Automotive Private Limited, Bengaluru appraised the student winners of various association events and student volunteers for the Academic year 2023-2024 with Shields and Merit Certificates and also addressed the gathering and shared his insights.

Session Takeaways:

 Structure of Automotive Systems, Product Development Languages and Cycle, Advanced Communication Protocols, Insights on Aerospace and Defence Technologies.



EEE | NIZHAL CLUB ACTIVITY



15 students from Second year EEE volunteered at the National Federation of the Blind Louise Braille Academy in Coimbatore, affiliated with the World Blind Union. They served as scribes for visually impaired students during Mock Exam - Series III on 25.04.2024. Students demonstrated compassion and solidarity, illustrating that true resilience is defined by character, not sight.

Faculty Coordinators: Ms. R. Geethamani, EEE, Ms. T. Malini, EEE

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MECH | GLOBAL LEVEL HYPERLOOP CASE STUDY COMPETITION



SAE India **SKCET** Collegiate Club student team, Velocity-X, participated in the Global Level Hyperloop Case Study Competition, **"The Hyperloop Effect,"** at the Global Hyperloop Conference organized by Indian Institute of Technology Madras and Society of Automotive Engineers (SAE) India. Out of 1000 participating teams, 30 were selected for Poster Presentation at IIT Madras on April 20, 2024. Students successfully presented their project titled **"Revolutionizing Infrastructure: Innovative Cost-Cutting Solutions for Hyperloop Support Structures**". The pioneers of Hyperloop evaluated the students' work and expressed their appreciation.

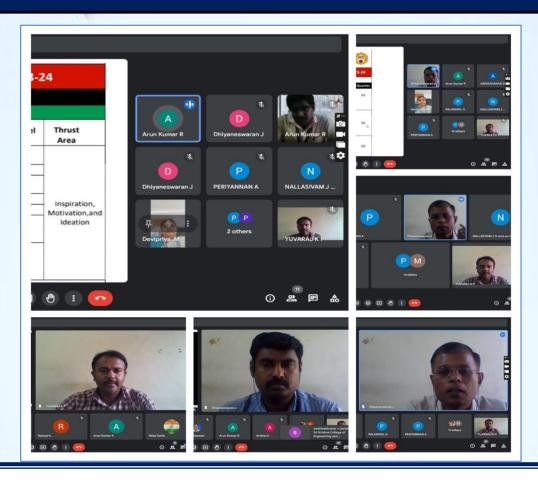
Team Members: Naveen.V.M , Vignesh.S, Mohanram.M - II Mech B, Mohammed Arif.H, Simson Arul Jones.A.

Team Mentors: Dr.R.Soundararajan & Dr.A.Sathishkumar

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MECH | IIC MEETING FOR MENTEE INSTITUTE



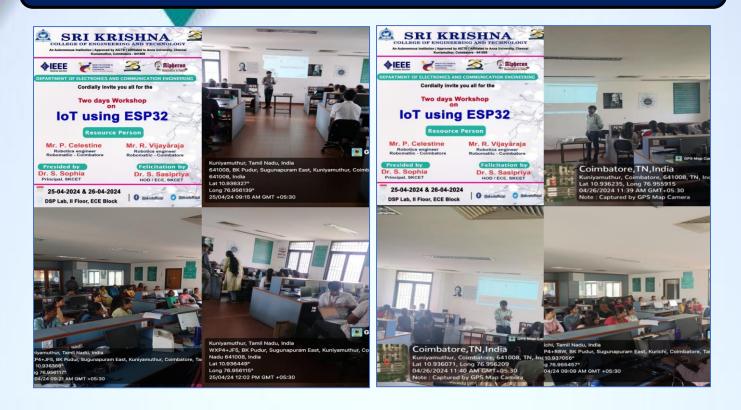
First Quarterly Progress Meeting for **Mentee Institute Representatives** was organized virtually on 26th March 2023. The session observed active participation from representatives of the following 5 Mentee Institutions:

- 1. RVS College of Engineering and Technology, Coimbatore
- 2. Sri Ranganathar Institute of Engineering and Technology, Coimbatore
- 3. Easa College of Engineering and Technology, Coimbatore
- 4. Jai Shriram Engineering College, Tirupur
- 5. Danish Ahmed Institute of Engineering and Technology, Coimbatore

During the session, valuable insights, best practices and strategies were shared to foster innovation and entrepreneurship among mentee institutions.



ECE | WORKSHOP ON IOT USING ESP32



Department of Electronics and Communication Engineering organized a Two days Workshop on **"IoT using ESP32"** for II-year ECE student on 25.04.2024 & 26.04.2024.

Day 1: Resource persons: Mr.P.Celestine & Mr.R.Vijayaraja, Robotic Engineers, Robomatiic, Coimbatore.

Session Takeaways: IOT Vs Embedded systems, Architecture of IoT SAAS, PAAS and IAAS, Hands on session on Blinking LED with ESP32 and Ultrasonic sensor integrating with ESP32, setting up arduino cloud server with ESP 32, Live distance Monitoring Using ESP32, Temperature and Humidity Monitoring Using ESP32.

Day 2: The Session Takeaways: Creating Arduino dashboard to monitor ESP 8266 data's, Integration of PIR motion sensor with ESP 8266 node MCU, Real time data analytics with sensor data using ESP 8266, Integration of proximity sensor with ESP 8266 node MCU.



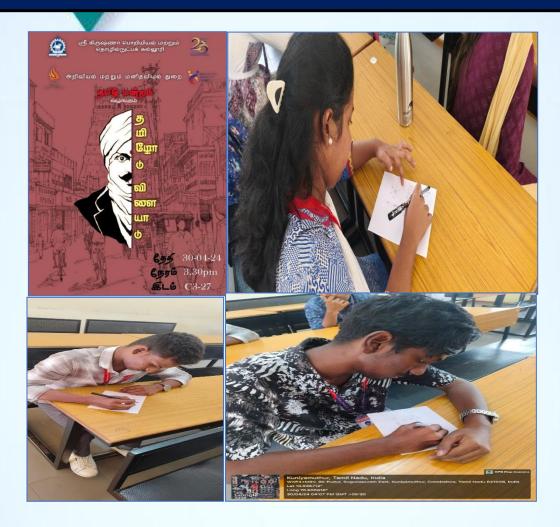
CIVIL | SUSTAINABLE INNOVATION CHALLENGE (SIC'24)



Mid Level Assessment of Ideas presented for the Sustainable Innovation Challenge (SIC '24) was organized by the Research & Innovation Cell on 29th April 2024. Fifteen teams from all years of **Civil Engineering** presented the progress of their study (in various domains like Structural Engineering, Transportation Engineering, Water Resources Engineering, Environmental Engineering, Geotechnical Engineering, Town Planning) to the panel members.



S&H | TAMIL CLUB ACTIVITY



Tamil Club of SHA conducted **Tamizhodu Vilaiyaadu** - a word game for the **First** year BE/B.Tech students to foster a sense of community among Tamil language enthusiasts while promoting linguistic proficiency and cultural appreciation.

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S&H | EVALUATING FUNDAMENTAL KNOWLEDGE





An English Proficiency Assessment Test was administered for all First-year students on April 23, 2024, with an aim to assess their understanding and application of essential grammatical principles necessary for academic writing and effective communication. The assessment focused on evaluating proficiency across various grammar aspects relevant to college-level English studies.







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EEE | TESTIMONIAL BY PLACED STUDENTS

I would like to begin by expressing my sincere gratitude to the entire SKCET community for their firm support and commitment. Today, as I embark on this exciting journey in my career, I can confidently affirm that the college has not only provided me with education but has also nurtured my overall growth. The exceptional guidance and assistance offered by the faculty members and placement team were remarkable. They not only equipped me with the necessary skills and knowledge but also refined me into a confident and industry-ready professional. I am profoundly grateful to the professors of my department for their rigorous training, which was instrumental in facilitating my attainment of a coveted position at Hitachi Energy. I can say that SKCET has been the most significant part of my life and I greatly admire the support and dedication I received from the management and my department. I sincerely thank my instructors, our Coordinator, my respective Head of Department my professors and my friends, for their immense support, which made my college life a joyful and memorable one.

ARULKARTHICK T EEE (2024 BATCH) HITACHI ENERGY (6 LPA)





TESTIMONIAL BY PLACED STUDENTS

I'm Kavin Prashad, a proud graduate of the Electronics and Communication Engineering (ECE) department at SKCET. My journey at SKCET has been transformative and I owe much gratitude to the dedicated faculty members of the department. Their unwavering support and guidance have been instrumental in shaping my academic and professional pursuits. I want to express my deepest appreciation to all the teaching and non-teaching staff of the ECE department for their continuous encouragement and mentorship.

I'm thrilled to share that I've been placed at Soliton Technologies and this achievement wouldn't have been possible without the tireless efforts of the placement team at SKCET. Their support, training and industry connections have equipped me with the skills and confidence needed to embark on this new chapter of my career.

> KAVIN PRASHAD S, ECE SOLITON TECHNOLOGIES



27th April - 03rd May 2024 | Weekly Newsletter



TESTIMONIAL BY PLACED STUDENTS

I am Asenath. I am glad to share that I witnessed what it is to study in an esteemed institution which provides great support to start a career and which plays an amazing role to nurture the skills we have to compete in the current society. Four years at SKCET was a wonderful experience which taught me various lessons. I am grateful for the opportunity the Institution has provided me which shaped me into who I am today. Various activities that were conducted in the campus helped me a lot to enhance my skills. Placement trainings which included online tests and mock interviews helped me to identify the areas in which I have to improve. I am placed in Hexaware with a package of 6 LPA. I thank all the faculty members for their immense support.

ASENATH A, IT, HEXAWARE







RESEARCH AND DEVELOPMENT





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R&D | FACULTY PUBLICATION | MCT

materialstoday=



Contents lists available at Sci Materials Today: Proceedings

journal homepage: www.elsevier.com/locate/mator

Optimization of the microelectrochemical drilling response variables of Inconel 718 alloy by grey relational analysis

M. Lava Kumar^a, G.S. Guru Dattatreya^a, S. Rajesh^b, T.J. Prasanna Kumar^c, R. Balamurugan^d, T.A. Selvan^e, S. Madhankumar^e,

Department of Mechanical Engineering, G Pulla Reddy Engineering College, Kurnool 518007, India Opprimer of Michanical Digitering, R.M.K. Brigherity Golge, Trundiar O200, John Department of Michanical Digitering, Paul V. Paul Skillerile Iostate of Tochology, Vipsenula 520007, Julia Department of Automalia Digitering, Col Gilder of Translander, Ernde Golfer, J. Mala Dipartment of Michannics Regineering, 5tl Krishna Golferg of Engineering and Technology, Gambaure 641008, Judia

ARTICLEINFO

ABSTRACT

Keywordz Materiał removal rate Inconel 718 alloy Grey relational analysis Surface roughness Overcut

The Material Removal Rate (MRR) is a critical aspect of microelectrochemical drilling. This technique relies on the minimum memory model of the second secon ration in this study depends on the Toguchi technique with an Optimization by Grey Relational Analysis (GRA). Taguchi is concept was used to set up the testing operations, which included three input processing factors: electrolytic solution, voltage, and feed speed. In count to the MBR, Surface Roughness (SR) and overcut were utilized as response variables in this study. Analysis of Variance (ANOVA) has been utilized to study the effect of input variables on microelectrochemical drilling output parameters. The results of this research demonstrate that voltage is the most important element in achieving the SR and overcut target performing qualities, and optimal settings are discovered. Regression equations are designed for prediction analysis. This study will assist in-dustrialists in determining variables to get desired results. Mr.S.Madhan Kumar, Assistant Professor of **Mechatronics Engineering** has published a paper titled "Optimization of the micro electrochemical drilling response variables of Inconel 718 alloy by grey relational analysis" in Materials Today: Proceedings. This is a Scopus indexed publication.

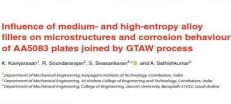
R&D | JOURNAL PUBLICATION | MECH

I Mater Sci

Metals & corrosion

Received: 2 January 2024 Accepted: 3 April 2024

Dr.R.Soundararajan, Associate Professor and **Dr.A.Sathishkumar**. Assistant Professor, Department of Engineering, Mechanical have published research article titled "Influence of medium and alloy fillers high-entropy on microstructures and corrosion behaviour of AA5083 plates joined by GTAW process", in Journal of Materials Science. It is indexed in Scopus with an Impact Factor of 4.5.



ABSTRACT

ABSTRACT The impact of medium- and high-entropy alloy fillers (4E MEA-Alug-Feg.NLC₄₀₀, and SE HEA-Alug-Feg.NL₄₀₀, Thega Thega on the micro-structures and corrosion behaviour of AAS08 plates, joined through the GTAW process, is investigated, MEA and HTA. fillers were detacted using the CCW process, is investigated, MEA and HTA. fillers were detacted using the CCW alloy fillers' influence on the resultant microtructural characteristics and cor-rosion resistance of the welded points. XRD results on weld samples showcared the presence of FCC and BQC phases. The weldment EBSO data revealed unique grains morphologies: long columnar grains, coards in equivalence grains in WZ. HAZ, and BM, respectively. Microstructural investigations of the weining not resultable hereingenerative truth and the origin the grained by constitutional elements. MEA and HEA weldments showed an intermetallic com-pounds or precipites. In the ambigue corrosion resistance is due to grain refin-ment. Increased grain is morpholic to corrosion equivalence of the higher emperature corrosion equivalence is a single frame ment. Increased grain boundaries, and the formation of a strong passive film, conversively. In the higher emperature corrosion equivalence of the ERS50 weldments. The corrosion resistance is due to grain efficien-ment. Increased grain boundaries, and the thermation of a strong passive film, weldoment had description. Average the the MEA and EHA weldments thad just of smaller sizes. The formation of oxidation film layers on the corroded surface smaller sizes. The formation of oxidation film layers on the corroded surface smaller sizes. The formation of oxidation film layers on the corroded surface showed metal oxide layer depositions for all the weldments. Researchers

sdling Editor: Meg Address correspondence to E-mail: s.udayar#qu.edu.sa; sivasankarangs1979#gmail.com E-mail Addresses: kkaviyarasan92#gmail.com; soundararajan.mtech#gmail.com; sathish1604#g

https://doi.org/10.1007/s10853-024-09654-w Published online: 25 April 2024

D Springer

Constant of



R&D | DESIGN PATENT GRANT | MECH

Intellectual Property Office

Certificate of Registration for a UK Design Design number: 6351120 Grant date: 13 March 2024

Registration date: 05 March 2024

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr,Hemalatha Jeyaprakash, Muthu Eshwaran Ramachandran, Dr,Yuvaraj Kunnathur Periyasamy, Shobana Alagarsamy, Priya Uday Shinde

in respect of the application of such design to:

Autonomous Vehicle Route Navigation Device

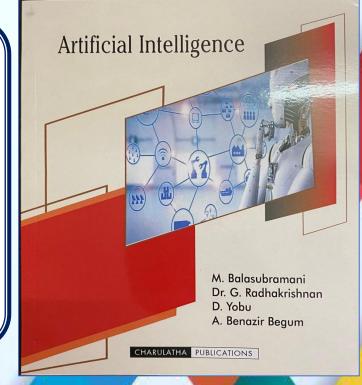
International Design Classification; Version: 14-2023 Class: 14 RECORDING, TELECOMMUNICATION OR DATA PROCESSING EQUIPMENT Subclass: 03 TELECOMMUNICATIONS EQUIPMENT, WIRELESS REMOTE CONTROLS AND RADIO AMPLIFIERS

Adam Williams

Adam Williams Comptroller-General of Patents, Designs and Trade Marks Intellectual Property Office The attention of the Proprietor(s) is drawn to the important notes overleaf. Dr.YuvarajK.P,AssociateProfessor,MechanicalEngineeringhasbeenDesignPatenton'AutonomousVehicleRouteNavigationDevice'byThePatentOffice,Government of UK.

R&D | BOOK PUBLICATION | EEE

Dr. G. Radhakrishnan, Associate	Э
Professor, EEE Department, has	5
published a book entitled	b
"Aritificial Intelligence" on Marcl	٦
2024 with ISBN Number: 978-93	-
6260-645-7 by Charulatha	a
Publications.	,





R&D | PATENT PUBLICATION | EEE/MCT



Patent titled **'Intelligent Monitoring Robot'** with design number of 389877-001 has received **Design Patent Grant** on 26-04-2024 with a Certificate of Registration of Design by the Patent Office, Government of India.

Team Members:

Dr.G.Radhakrishnan, ASP/EEE Dr.D.Pritima, ASP/MCT Dr.G.Veerappan, ASP/MCT Mr.T.Vignesh, AP/MCT

R&D | PATENT PUBLICATION | CSE

Patent titled **"Keylogger Detection** and Prevention System" filed by Dr.K.Ramesh Professor, CSE, has been published in the patent Office Journal No 17/2024 Dated 26-4-2024. His patent titled **"Detection** of Phishing Websites using Machine Learning Model", has been published dated 22-03-2024.

PUBLICATION	(21) Application No.202441016551	INDIA	CATION PUBLICATION	(21) Application No.202411020013 A
			upplication :18/03/2024	(43) Publication Date : 26/04/2024
on :07/03/2024	(43) Publication Date : 22/03/2024	Title of the invest	ion : KEYLOGGER DETECTION AN	D PREVENTION SYSTEM
on :07:03/2024 TECTION OF PHISHING WEBS 020000000, G06F0021550000, 140205000, H04L0051000000, 009120000	3)Mr Vengateshwaran M 4)Lakshan Balaji R K 5)Dhinakaran V 6)Sruthi R Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Ramesh K Address of Applicant :Professor, De College of Engineering and Technol 2)Lakshan Balaji R K Address of Applicant :UG students, Krishna College of Engineering and ~	International ification International Intern	GRATELISSON, GRATELISSON, GRATELISSON, GRATELISSON, GRATELISSON, GRATELISSON, GRATELISSON, GRATELISSON, SA SA SA SA SA SA SA SA SA SA SA SA SA	(1)Name of typicars: HDE, Barch K. Allow of Applicars: Probase Destroyed of CSE. Malow of Applicars in Training Casara Distribution of the Applicars in Training Casara Materia of Applicars in Training Casara Materia (Training Casara) Materia (Training Casara)
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	Address of Applicant :UG students, Krishna College of Engineering and			

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R&D | PAPER PUBLICATION | ECE

		ieeexplore.ieee.org/document/10		
Conferences > 2023 International 0	Conference 0	Conferences > 2023 Internatio		
Biometrics - Bas Publisher: IEEE Che This	sed Voting Machine Combined with Result Analysis Software	Publisher: IEEE	Evaluation of the Infected Rice Le	eaves Using RCNN
D.V Soundari ; Sujithkumar N	· Vijaya Baskar B ; Vijayananthan D ; N. Palanivel All Authors	P.R. Jayanthi ; S. Vanarasa	an ; Bhagyalakshmi V ; K. Venkataramanan ; G. Saranya ; N.	Palanivel All Authors
2 Full Text Views	O < © ⊨ ♣	6 Full Text Views		0 < © 🛏
Abstract	Abstract:	Abstract	Abstract:	
	Adstract: India is a growing nation where the electronic voting system is still in danger as a result of election cheating. Elections are a	Document Sections		indirectly, two-thirds of the population depends on agriculture. fecting crop production including plant diseases, climate influences,
Document Sections	key factor in determining the country's future in the next five years. Hence the current voting system has to be more secure	I. Introduction		y affected by leaf diseases. Especially on rice leaves, the disease g
I. Introduction	because the present system lacks individual identification then there is a possibility that someone may abuse another person's	II. Deep Learning		techniques will be of great help in detecting diseased rice leaves at
II. Methodology	voting privileges. In this study, fingerprint- based voting authentication is suggested to prevent voting abuse. Here we have included software that is used to update the status of the voting count during the elections. Using Biometrics any individual can			We have proposed a method in which preprocessing using image have collected and the RCNN algorithm is used for disease detecti
III. Literature Survey	included software that is used to update the status of the voting count during the elections. Using Biometrics any individual can vote in any election booth near their residential areas.	III. Related Works	and classification.	mene concerno one tre recent agonitante agon ol USEBBE DEBELI
IV. IOT		IV. Leaf Disease	Published in: 2022 International Conference on South	em, Computation, Automation and Networking (ICSCAN)
	Published in: 2023 International Conference on System, Computation, Automation and Networking (ICSCAN)	V. Proposed System	Published In: 2023 International Conference on Syste	ni, computation, Automation and Networking (ICBCAN)
V. Novelty	Date of Conference: 17-18 November 2023 DOI: 10.1109/ICSCAN58655.2023.10395245	Show Full Outline *	Date of Conference: 17-18 November 2023	DOI: 10.1109/ICSCAN58655.2023.10395251
Show Full Outline *	Date Added to IEEE Xolore: 26 January 2024 Publisher: IEEE	Authors	Date Added to IEEE Xplore: 26 January 2024	Publisher: IEEE
Authors Iore.ieee.org/document/1039: Conternors > 2023 International Robost Railway Publisher: IEEE Cite Thi	Creterona		al Conference. 9 plementation of IOT Based Real	Time Traffic Monitoring System
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Following faculty members of **ECE** department have presented their conference papers in the 2023 International Conference on System, Computation, Automation and Networking (ICSCAN) and published in IEEE Explore. It is a Scopus indexed Conference.

Name of the Faculty	Title of the Paper
Ms.D.V.Soundari	Biometrics - Based Voting Machine Combined with Result Analysis Software
Ms.G.Saranya	Performance Evaluation of the Infected Rice Leaves Using RCNN
Dr.A.Albert Raj	Robost Railway Crack Detection Scheme Using IR Sensor
Mrs.U.Vanitha	Design and Implementation of IOT Based Real Time Traffic Monitoring System
Mr.R.Sarath Kumar	Design and Implementation of Fault Detection and Vehicle Safety Using Embedded Systems





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FACULTY CERTIFICATIONS



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AI&DS | INFOSYS CERTIFICATION



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Pugalendhi G S

for successfully completing the course Deep Learning with Keras on April 23, 2024



Infosys | Springboard

Congratulations! You make us proud!

Thirumala Arohi Senior Vice President and Head Education, Training and Assessment (E Infosys Limited Mr.G.S.Pugalendhi, Assistant Professor, AI&DS has successfully completed a course titled "Deep Learning with Keras" offered by Infosys Springboard on 23.04.2024

EEE | FACULTY DEVELOPMENT PROGRAM

Dr.J.Karthika, Professor, EEE Department has participated in the Five Days Faculty Development Program on "Effective Research Paper Writing Strategies and High-Impact Journal Publication Techniques" organized by the Department of Computer Applications, Kongu Engineering College, Erode from 22-04-2024 to 26-04-2024.





EEE | FDP ON INTELLIGENT CONTROL OF E- VEHICLES





Dr.N.Loganathan, Ms.T.Malini, Ms.C.Pavithra, Assistant Professors, **EEE** Department have participated in Six Days Faculty Development Training Program on "Intelligent Control of Electric Vehicles" organized by the Department of Electrical and Electronics Engineering, Dr.N.G.P Institute of Technology, Coimbatore.



EEE/ECE | MY BHARAT PORTAL TRAINING PROGRAM



Dr.B.Karthikeyan, Associate Professor, **EEE** Department and **Dr.R.Senthil Ganesh**, Associate Professor, **ECE** Department has successfully completed One Day Training Program on "**My Bharat Portal**" organized by Indian Institute of Public Administration, New Delhi on 26-04-2024.



ECE | INFOSYS CERTIFICATION



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Joby Titus T

for successfully completing the course

Java Concepts

on April 29, 2024



Issued on: Tuesday, April 30, 2024 To verify, scan the QR code at <u>https://verify.o</u> Congratulations! You make us proud!

Thirumala Arohi Senior Vice President and Head Education, Training and Assessment (ETA) Inforce Limited Dr.T.Joby Titus, Associate
Professor, Department of ECE has
successfully completed and
received certification on "Java
Concepts" by Infosys
Springboard.

CSE | WORKSHOP ON OFFICE MASTER ON EXCEL USING AI

Dr.RasiD,AssociateProfessorCSEhasbeenawardedwith a certificate forcompleting a 1-DayWorkshopconductedby "Office Masteron Excelusing Al", on 24thApril 2024.





IT | WIPRO CERTIFICATION



Dr.G.Shobana, Associate Professor, IT has participated in the training program on AI & ML conducted by TalentNext Wipro from 22-04-2024 to 26-04-2024.

S&H | NPTEL CERTIFICATION

Elite NPTEL Online Certification (Funded by the MOE, Govt. of India) This certificate is suvarded to DR M SANGEETHA		2	Elit 'EL Onlin (Funded by the M This certificate i DR S PACI	ac, Govt. of India) s awarded to	on 🗸
for successfully completing the course Basics in Inorganic Chemistry with a consolidated score of 84 % Online Assignments 22.5/25 Proctored Exam 61.22/75		ア	for successfully comp Basics in Inorgan with a consolidated scor Assignments 25/25	ic Chemistry	**
Total number of candidates certified in this course: 385 Jan-Feb 2024 (4 week course)	Frichas Prof. Stellar type as Due'r o Mr S. Lewinsto- Ill Bonxy	Total 1	number of candidates certy Jan-Feb (4 week ee	2024	Bridhan Prof. Stillhan iver Head DEP Art D. Doctine IT Darbas
Indian Institute of Technology Bombay	recommended: 1 or 2 Rol No NF	Indian Institute of Technology I		No of cr	The clean process at Second actions (1994) and actions athing recommendeed 1 or 7

Dr.Sangeetha M and **Dr.Packiaraj S**, Assistant Professors, Chemistry domain, Department of **Science and Humanities**, have excelled in completing the Basics in Inorganic Chemistry course, emerging as the top performers among 385 candidates.





CONFERENCE PRESENTATION





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EEE | CONFERENCE PRESENTATION

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	International Conference of tive Computation Techno (ICICT 2024)	
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	V V Vineeth	
to acknowled	lge his/her oral presentation	n on the topic
Development of Hyb	rid Energy Source Electric ' Converters	Vehicles with DC-DC
	tional Conference on Invent CT 2024), held at Tribhuvan during April 24-26, 2024.	
Man	Joych	Strang
Session Chair	Dr. Joy long-Zong Chen Organizing Chair	Prof. Dr. Subarna Sha Conference Chair

Mr.V.V.Vineeth, Assistant Professor, **EEE** Department has presented а research paper entitled "Development of Hybrid **Energy Source Electric Vehicles** with DC-DC Converters" in the 7th International Conference on Inventive Computation Technologies (ICICT -2024) organized by Tribhuvan University, Nepal, during April 24 and 26, 2024.

EEE | CONFERENCE PRESENTATION

Dr.T.Kokilavani. Associate Professor, EEE Department has presented a research paper entitled "Smart Energy Generating System in Electric Vehicle" in the IEEE sponsored International Conference on Science, Technology, Engineering (ICSTEM'24) and Management organized by Kalaignarkarunanidhi Institute of Technology, Coimbatore, during April 26 & 27, 2024.

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ECE | CONFERENCE PRESENTATION

Ballari Institute of Technology & Management, Ballari Autonomous Institute under VTU, Belagavi (A unit of T.E.H.R.D. Trust ® An ISO 9001:2015 Certified Institution)
Certificate of Appreciation
This is to recognise the contribution of
Mr. Dinesh Kumar J R
Sri Krishna College of Engineering and Technology
as REVIEWER for 3rd IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2024) organized by IEEE SB Ballari Institute of Technology and Management, Ballari, 26-27 April, 2024
Dr. Yadavalli Bosavaraj Principal BITM, Ballari BITM, Ballari

Mr J R Dinesh Kumar. Assistant Professor has received an appreciation certificate for his role as "3rd the IEEE reviewer in International Conference on Distributed Computing and **Electrical circuits and Electronics** (ICDCECE-2024)" held on 26th and 27th April 2024.

AI&DS | CONFERENCE PRESENTATION

Dr.T.Sujatha, Associate Professor, Al&DS presented a paper titled "Exploring Sensor-Based Smart Farming Technologies in the Internet of Things (IoT)" in the International Conference on Computing and Data Science, ICCDS - 2024, organized by Rajalakshmi Engineering College, Chennai on April 26 and April 27, 2024.

RAJALAKS ENCINEERING CO Ar ARTONOMOUS huid Attilized to ANNA INVERSI	DLLEGE 2024 INTERNATIONAL CONFER	ASSOCION RENCE DN CIENCE
CERTIFIC	ATE OF PARTIC	IPATION
This is to certify that Dr/Mr/Mrs	T Sujatha	of
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ALUMNI CORNER



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MCT | ALUMNI INTERACTION



Mr. Saktheeswaran Govindarajan, R&D Engineer, Easwara Groups, Coimbatore, Alumni, Department of Mechatronics Engineering (2018 – 2022 batch). He addressed the student's volunteers of E-kart & Solar kart on 09.04.24 and various design challenges in E-kart & Solar kart design and provided solutions for it. He appreciated all the students for their involvement in Kart works. The technical and non- technical aspects of E-kart & Solar kart works were also discussed.



EEE | ALUMNI INTERACTION



Department of **Electrical and Electronics Engineering** organized an Alumni interaction to inspire the upcoming waves on the topic **'Life after Engineering'** on 29.04.2024.

Resource Person: Mr. V K Vijay Vignesh, (2018-2022 Batch Alumnus), Associate Software Engineer, ADP India, Chennai.

Session Highlights:

 School Vs Engineering, Skill upgradation, Knowledge Sharing, Personal Development, Participation in Co-curricular and Extra Curricular activities.







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ECE | CELEBRATING WORKERS' DAY: HONOURING THE BACKBONE OF SOCIETY

As the world commemorates Workers' Day, it's an opportune moment to reflect on the invaluable contributions of workers across all sectors. From the bustling city streets to the serene countryside, their dedication and hard work shape the fabric of society. At the heart of every industry lies the labour force, tirelessly toiling to keep the wheels of progress turning. Whether in factories, offices, farms, or hospitals, workers are the unsung heroes powering economies and enriching communities.



Workers' Day serves as a reminder of the labor rights and protections that have been fought for and won over the years. It's a time to advocate for fair wages, safe working conditions, and equitable treatment for all workers, regardless of their occupation or background.Beyond economic contributions, workers are the embodiment of resilience and determination. In the face of adversity, they persist; striving for a better future for themselves and their families. This day is also an opportunity to recognize the diversity of the workforce. Workers come from all walks of life, bringing with them unique perspectives and talents that enrich workplaces and drive innovation.

As we celebrate Workers' Day, let us not forget the sacrifices made by those who came before us to champion labor rights. Their legacy inspires us to continue the fight for social justice and equality in the workplace.



In an ever-evolving world, the role of workers remains paramount. Their skills, creativity, and dedication are essential for navigating the complexities of modern society and building a brighter tomorrow.

Let us take this occasion to express gratitude to the workers who keep our communities functioning day in and day out. Their efforts do not go unnoticed and their contributions are deeply appreciated.Workers' Day serves as a call to action, urging policymakers and employers to prioritize the well-being and dignity of workers in all decision-making processes. Only through collective effort can we create inclusive and sustainable workplaces for future generations.

In the spirit of solidarity, let us stand together in support of workers' rights and dignity. Their tireless efforts deserve recognition and respect, today and every day.As we mark this special day, let us reaffirm our commitment to building a world where every worker is valued, empowered, and able to thrive.

Happy Workers' Day to all those who make our world a better place through their labor and dedication.

BY POOJANA K M ECE - B



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