



# Sairam NEWSLETTER EEE

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**VOLUME 26 | ISSUE NO 2**



Sri  
**SAI RAM ENGINEERING COLLEGE**

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi

Accredited by **NBA** and **NAAC "A+"** | An ISO 9001:2015 Certified and MHRD **NIRF** ranked institution

Sai Leo Nagar, West Tambaram, Chennai - 600 044. [www.sairam.edu.in](http://www.sairam.edu.in)



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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### VISION

To inculcate discipline, good quality education, research and training, wide knowledge to meet the global standards, opportunities to gain practical knowledge in the laboratories, awareness in emerging technologies in students to render their services for the betterment of the society with ethics.

### MISSION

To provide a platform in acquiring knowledge in the field of Electrical and Electronics Engineering with highest quality in technical education and services to the society. To fulfill the needs:  
**TEACHING AND MENTORING** - To provide best teaching and mentoring through ethical and moral values.

**PROFESSIONAL GROWTH**- To provide quality education for Electrical and Electronics Engineers that prepares them for exemplary life-long career and professional growth.

**CUTTING-EDGE TECHNOLOGIES**- To develop cutting edge technologies through research that meets the needs of industry, government and the scientific community.

To guide our graduates to pursue their formal education further, including PG and PhD programmes.

**SOLUTION PROVIDERS**- To excel in student learning activities, to produce them as problem solvers as a team or individual by active interaction and effective communication with peers and stakeholders.





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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### PROGRAM EDUCATIONAL OBJECTIVES

**PEO I:** Graduate will apply the principles of basic science, mathematics and engineering fundamentals necessary to formulate, solve and analyze engineering problems.

**PEO II:** Graduate will expertise in the field of Electrical and Electronics Engineering.

**PEO III:** Graduate will acquire the knowledge for pursuing advanced degrees in Engineering, Science, Management, Research and Development.

**PEO IV:** Graduate will achieve professionalism, leadership qualities, self and continuous learning.

**PEO V:** Graduate will fulfill the needs of the society by working as Engineers, Entrepreneurs in core as well as inter-disciplinary areas in an ethical and responsible manner.

### PROGRAM SPECIFIC OUTCOMES

**PSO1.** Students will gain proficiency in analyzing and resolving complex issues related to Power and Energy, Power Electronics and Embedded Systems.

**PSO2.** Students will gain the knowledge to design and control electrical machines and drives for applications in transportation and industrial sectors.



## From the HoD's desk...



**Dr. R. Azhagumurugan M.E., Ph. D**  
**Head of the Department**  
**Electrical and Electronics Engineering**

We are delighted to present the key highlights of the Department of Electrical and Electronics Engineering from **January to May 2024**. During this period, the department successfully organized various events, providing students with opportunities to showcase their technical skills. Notable events included the **IEEE Research and Innovation Event** and the **VLSI Conclave**, which offered valuable insights into emerging technologies. Additionally, a **Fit India Awareness Session** and a **Seminar on the Modeling and Control of DC-DC Power Converters Using Levenberg-Marquardt Based Machine Learning Algorithms** were conducted to enhance students' knowledge in both technical and applied domains.

The **SAIRAM ENSAV Club** also hosted **ENSAV Club Day**, emphasizing the global shift towards renewable energy and nurturing leadership and analytical skills among students.

We take immense pride in the accomplishments of our faculty and students. Faculty members actively participated in industrial internships, strengthening their expertise and bringing real-world industry insights into the learning environment. Their commitment to continuous learning ensures a more enriching academic experience for students.

Our students demonstrated exceptional talent and innovation, notably emerging as **winner of Solvenathon 3.0** and securing top positions in various technical competitions. Their achievements reflect their dedication, creativity, and problem-solving skills. As we move forward, we encourage both students and faculty to remain committed to innovation, research, and excellence in Electrical and Electronics Engineering.

Dr. R. Azhagumurugan  
Head of the Department  
[hod.eee@sairam.edu.in](mailto:hod.eee@sairam.edu.in)

**"The future belongs to those who believe in the beauty of their dreams."**



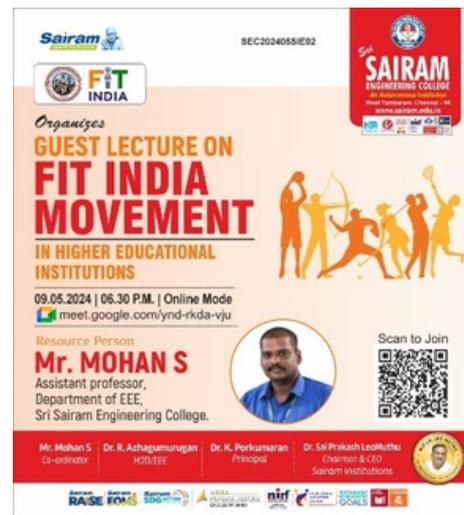
# GUEST LECTURE /WORKSHOP

## Technex Standards 2.0 4/17/2024



Technex Standards 2.0 on 4/17/2024 aimed to familiarize participants with the standards and practices related to electrical and electronic engineering, emphasizing the importance of standardization in technological advancements.

**Guest Lecture on FIT INDIA MOVEMENT** on 9/5/2024 is a initiative aligns with the nationwide campaign launched by Prime Minister Narendra Modi on August 29, 2019, aimed at encouraging citizens to prioritize fitness and incorporate physical activities into their daily routines



**ENERGYTHON 2024**, a project presentation event organized by the IEEE Power & Energy Society (PES) Student Branch Chapter. The event aimed to foster innovation and sustainability in the energy sector, attracting over 175.



# GUEST LECTURE /WORKSHOP

## A Tech talk on Generative AI in Electric Mobility on 4/22/2024

SAI RAM ENGINEERING COLLEGE  
INSTITUTE OF TECHNOLOGY  
Autonomous Institution  
West Tambaram, Chennai - 600 074

IEEE PES DAY 2024  
Empowering Electric Mobility Innovation

Power & Energy Brainwave

EV QUIZ

STEP INTO THE ELECTRIFYING WORLD OF EVs, WHERE YOUR KNOWLEDGE WILL BE PUT TO THE TEST IN A BRAIN-CHARGING QUIZ EXPERIENCE LIKE NO OTHER!

DATE : 22-04-2024

STUDENT COORDINATOR  
SIMON JACOB A - 6383648953  
SANJAYKUMAR S - 9489351228

TIMING  
3.00-4.00 PM

REGISTER

Dr. T. Muthumalar  
IEEE PES SDG Action  
Coordinator

Dr. R. Anantharaman  
IEEE PES SDG Action  
Coordinator

Dr. K. Palanisubramanian  
IEEE PES SDG Action  
Coordinator

Dr. K. Perikumar  
IEEE PES SDG Action  
Coordinator

Dr. Sri Prakash Lakshminarayanan  
IEEE PES SDG Action  
Coordinator

Power and Energy Brainwave on 4/22/2024 enhanced participants understanding of electric vehicles and renewable energy technologies and provided knowledge on electric vehicle fundamentals and advancements.

## Electrifying the Road: Basics & Innovations in EV Tech

"Electrifying the Road: Basics & Innovations in EV Tech", held as part of IEEE PES Day at Sri Sairam Engineering College, Chennai. This workshop provided participants with an insightful overview of the fundamentals and the latest advancements in electric vehicle (EV) technology.

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INSTITUTE OF TECHNOLOGY  
Autonomous Institution  
West Tambaram, Chennai - 600 074

IEEE PES DAY 2024  
Empowering Electric Mobility Innovation

WORKSHOP ON  
ELECTRIFYING THE ROAD :  
BASICS & INNOVATIONS IN EV TECH

SPEAKER  
Bharath Kumar M R - IV EIE  
Sri Sairam Engineering college

DATE : 22-04-2024

TIMING  
1-2 PM

REGISTER

STUDENT COORDINATOR  
Harish Anantha Krishnan R - 8339126247  
Varshini J - 8148764609

Dr. R. Anantharaman  
IEEE PES SDG Action  
Coordinator

Dr. T. Muthumalar  
IEEE PES SDG Action  
Coordinator

Dr. K. Palanisubramanian  
IEEE PES SDG Action  
Coordinator

Dr. K. Perikumar  
IEEE PES SDG Action  
Coordinator

Dr. Sri Prakash Lakshminarayanan  
IEEE PES SDG Action  
Coordinator

# GUEST LECTURE /WORKSHOP

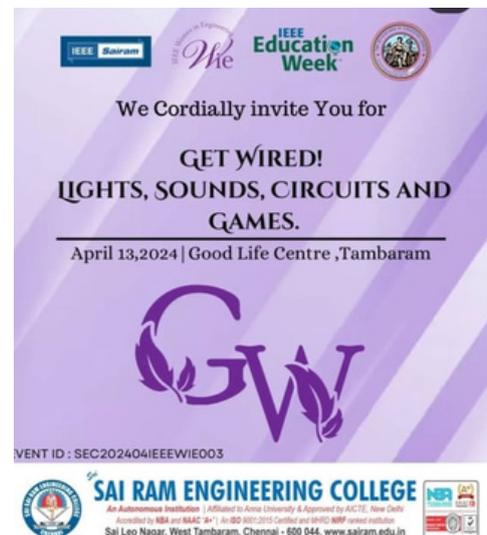
## AI-Tronics on 22nd April 2024



The IEEE PES Student Branch Chapter of Sri Sairam Engineering College successfully conducted a Tech Talk on Generative AI in Electric Mobility (AI-Tronics) as part of IEEE PES Day 2024. Held on April 22, 2024, from 11:00 AM to 11:45 AM, the session provided insights into the transformative role of Generative AI in the electric mobility sector

## Get Wired! Light, Sounds, Circuits, and Games on April 13, 2024

The Department of Electrical and Electronics Engineering, in association with the IEEE WIE Affinity Group, hosted an engaging event, "Get Wired! Light, Sounds, Circuits, and Games," as part of IEEE Education Week. Held on April 13, 2024, at Good Life Centre, the event featured science projects, circuit-building activities, interactive games, and illuminating workshops. Participants explored technology and innovation through hands-on experiences, making learning both exciting and interactive.



# GUEST LECTURE /WORKSHOP

## Modeling and Control of DC-DC Power Converter Using Levenberg Marquardt Based Machine Learning Algorithms on April 17, 2024

The poster is for an event titled "Modeling and Control of DC-DC Power Converter using Levenberg Marquardt based Machine Learning Algorithm". It is organized by the Department of Electrical and Electronics Engineering at Sri Sairam Engineering College, in association with IEEE PELS SEC SB Chapter and IEEE SSCS SEC SB Chapter. The resource person is Dr. M.G. Umamaheswari, Professor, Department of EEE, Rajalakshmi Engineering College, Chennai. The event is scheduled for 17/04/2024, from 10:30-12:00, at F 3101. The poster also lists office bearers for the IEEE SSCS and PELS chapters.

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**IEEE**  
SEC202404IEEESSC003  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
In association with  
IEEE PELS SEC SB CHAPTER AND IEEE SSCS SEC SB CHAPTER

**SSCS**  
EXPERT TALK ON  
"Modeling and Control of DC-DC Power Converter using Levenberg Marquardt based Machine Learning Algorithm"  
**PELS**

**RESOURCE PERSON**  
**Dr.M.G.UMAMAHESWARI,**  
Professor,Department of EEE,  
Rajalakshmi Engineering College,Chennai

**17/04/2024**  
**10:30-12:00**  
**F 3101**

**OFFICE BEARERS**

Mr. SIVAKARTH K.A. CHAIRPERSON SEC-IEEE PELS SEC	Mr. VIJAY KUMAR A. VICE-CHAIRPERSON SEC-IEEE PELS SEC	Mr. M. BAKATH KUMAR SECRETARY SEC-IEEE PELS SEC	Mr. MANOJ KUMAR C. CHAIRPERSON SEC-IEEE SSCS SEC	Ms. VALRA A. VICE-CHAIRPERSON SEC-IEEE SSCS SEC	Ms. VIDHULA P. SECRETARY SEC-IEEE SSCS SEC
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The Department of Electrical and Electronics Engineering, Sri Sairam Engineering College, in association with IEEE PELS SEC SBC & IEEE SSCS SEC SBC, organized an **Expert Talk on "Modeling and Control of DC-DC Power Converter Using Levenberg-Marquardt Based Machine Learning Algorithms"** Held on April 17, 2024, from 10:30 AM to 12:00 PM at F3101, the session was led by Dr. M.G. Umamaheswari, Professor, EEE, Rajalakshmi Engineering College. The event provided valuable insights into advanced control techniques for power converters.

# ENERGY EFFICIENCY CLUB

MOCK MUN II on 27th Feb 2024



ENSAV CLUB in association with SSIT Society organized MOCK MUN II. Two committees namely AIPPM ( All India Political Parties meet with the agenda as Revolution of Indian Education System) and UNEP ( United Nations Environment Programme with the agenda of Globalization: The DEGRADER or SUSTAINER) were simulated.

## ENSAV Club Day - 6-3-2024

Sairam ENSAV Club Day is celebrated to commemorate World Energy Efficiency Day by raising awareness towards reducing energy consumption and rewarding the student's excellence in Ensav club activities and motivating them to become more productive.



# STUDENT ACHEIVEMENTS

## (2024-2025)

### SOLVEATHON 3.0

**Mahathi S V**

**Divyavarshini M**

**Hindu S**

guided by

**DR.B.MEENAKSHI(PROF/EEE)** secured the 2nd position in Goal 15 of SOLVEATHON 3.0 with their innovative project.



### Student Accomplishment

**Abinaya. R, Arun G.R, Sommanath. T** from the 3rd Year EEE Department, **Ashwin Kumar. S** from 3rd yr CSE Department have clinched the esteemed second prize in the Hackathon Event organized by the Department of EEE at Hindustan Institute of Technology and Science on April 6th, 2024

# STUDENT ACHEIVEMENTS

## (2024-2025)

### First Prize in Hindustan Institute

Vishaal S and Abinaya R from the 3rd Year EEE have claimed first prize in the Project Presentation Event hosted by the Department of EEE at Hindustan Institute of Technology and Science on April 6th, 2024.



Gokul VC and Hariharan S have secured 2nd prize in Paper Presentation during the EEE Symposium on April 6th at Hindustan Science and Technology.

# STUDENT ACHEIVEMENTS (2024-2025)

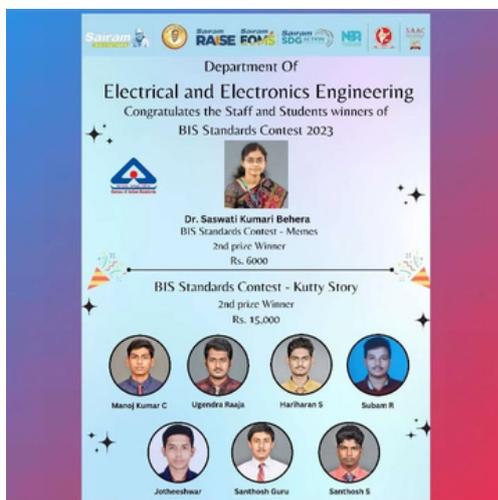
**Shivam Kumar Pandey - EEE A 2ND YEAR** secured the 3rd prize with cash award 3000 rupees at the project display event held by WAVES 24 at the College of Engineering Guindy (ANNA UNIVERSITY).



**Kundena Swetha, BJ Swetha, Surej R. S & Surya.M** won RS.500/TEAM for PAPER/PROJECT PRESENTATION in [National Level technical Symposium- ELYTRICO'2K24] conducted by the Department of Electrical and electronics Engineering- AMET\_DEEMED TO BE UNIVERSITY on 21.03.2023.

# STUDENT ACHEIVEMENTS (2024-2025)

**Sharavanavell KTK , Mukesh Kumar and Vignesh J** won 2nd prize at the Solar-Powered UAV Hackathon by Tamil Nadu smart and Advanced Manufacturing Center (TANSAM) at TIDEL PARK, powered by Siemens.



**Hariharan S, Santhosh S, Ugendra Raaja, Subam, Manoj Kumar C, Jotheeshwar & Santhosh Guru** has secured second place in BIS Contest with a cash award of 1500

# STUDENT ACHEIVEMENTS

## (2024-2025)

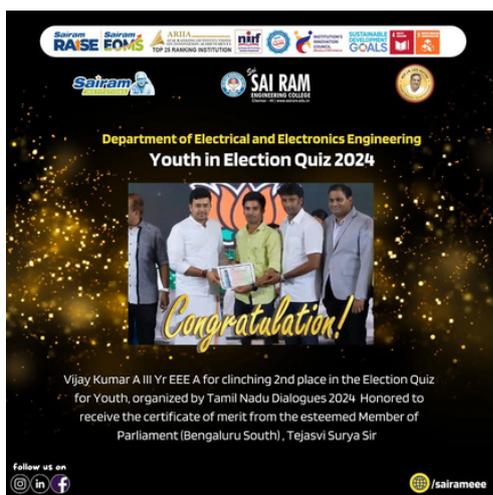
**Gokul.G and Jeevanandam.E** secured the runner-up medal in handball tournament held at the new Prince Shri Bhavani College of Engineering.



**Dhaaranik.K, S.Sowmya, T.Reshmi, Srilekha.P & Premalatha.S** secured 3rd place in the paper presentation in the event FAISCA 24- conducted by the Department of Electrical and Electronics Engineering of New Prince Shri Bhavani College of Engineering and technology.

# STUDENT ACHEIVEMENTS (2024-2025)

**Srilekha P and Sowmya S** secured the 2nd Prize and a cash award of Rs. 750 on 8th April 2024 in the event INFOCULTURE FEAST a national level hackathon organized by department of Library and Information science of Sri Sairam Engineering college.



**Vijay Kumar A - III YR EEE-A**, clinched 2nd place in the Election Quiz for Youth, organized by Tamil Nadu Dialogues 2024 held at YMCA Auditorium



# STUDENT ACHEIVEMENTS

## (2024-2025)

Ubam R and Dhanush R secured the 2nd prize in Fireless Cooking and the 2nd prize in Paper Presentation during the EEE Symposium held on April 6th at Hindustan Science and Technology.



A poster for a prestigious NPTEL 8 Week Internship at IIT, Guwahati, from July to December 2024. The poster congratulates selected individuals for their work on a Sustainable Power Generation System. It features two individuals: Dr. Priya C, Faculty - EEE, and Ms. Divya G, 3rd Year - EEE Student. The poster also lists the names and titles of the organizing faculty: Dr. R. Azhagumurugan (HOD EEE), Dr. K. Porkumaran (Principal), and Dr. Sai Prakash LeoMuthu (Chairman &amp; CEO). The poster includes logos for Sairam RAISE, EOMS, ARIFA, and Sustainable Development Goals.

DIVYA G has been offered with an internship at IIT Guwahati with stipend from June to December 2024 on course Sustainable Power Generation System



# STUDENT ACHEIVEMENTS

## (2024-2025)

**Goal number : 7**

**Project title : Hybrid Power Generation via Solar & Vertical axis wind turbine**

**Team lead : Vishaal S**

**Team members: Pragalathan A, Jaswanth M**

**Prize : Third prize**

**Guide: Mrs.J.Shalini Priya,AP/EEE**



**Goal number : 14**

**Project title : Aquaculture Water Quality Monitoring System**

**Team lead : Dhanush Moorthy.R**

**Team members: Agilesh.M.B, Sahana.A**

**Prize : First prize**

**Guide: Dr.K.PrathibaNandhi**

**Asso.Prof/EEE and Mr.Jayandhan.S.A-  
Sairam Incubation Cell**



# STUDENT ACHEIVEMENTS

## (2024-2025)

**Goal number :** 05

**Project title :** MEDIBOTS

**Team lead :** Arun G R

**Team members:** Venkatapati.k,  
sommnath.T, shakthivel.G

**Prize :** Second prize

**Guide:** Dr.T.Porselvi, Prof/EEE



**Goal number :** 9

**Project title :** Automated life suits with navigators

**Team lead :** Nivedhitha M

**Team members:** Reshmi T, Sowmya S

**Prize :** Third prize

**Guide:** Dr.R.Azhagumurugan, Prof and HOD/EEE



# STUDENT ACHEIVEMENTS

## (2024-2025)

The Department of Electrical & Electronics Engineering proudly congratulates the team that secured Runner-Up 2 in Inspirathon 1.0 for their innovative project, "Disposable Lightweight Drone." Guided by Mr. D. Arulselvam, the team—**Sundara Narayanan A, Tharunkumar P, Hari Pradosh SM, and Karthick A**—demonstrated their dedication to sustainable development. This achievement highlights the commitment of Sri Sairam Engineering College to fostering innovation and excellence in engineering.



The Department of Electrical & Electronics Engineering congratulates the team for securing Runner-Up 2 in Inspirathon 1.0 for their project, "Gas Leakage Detection and Refilling System with Automated Fault Clearness." Guided by Mr. K. Rajkumar, the team—**Yokeswaran S, Yuvaraj N, and Guneshwar M**—showcased their innovation in addressing safety concerns



# STUDENT ACHEIVEMENTS

## (2024-2025)

**Jayashree J, Manoj Kumar C, and Vijayavarsshini M** secured 1st Prize and a cash award of Rs. 700 on 3rd April 2024 in WAVES 2024 Technical Fest at College of Engineering, Guindy.



# FACULTY PUBLICATIONS

## (January-May)

**Faculty Name** : MEENAKSHI.B

**Journal/Conference:**

1. 2024 International Conference on Intelligent Systems for Cybersecurity (ISCS)  
(03-04 May 2024)

**Title** :

1. Enhancing Data Security in Cloud-Based Soil Carbon Sequestration Monitoring Systems Using Random Forest Regression

**Faculty Name** : SHANMUGAPRIYA.P

**Journal/Conference :**

1. International Conference
2. International Conference

**Title** :

1. Optimizing Regenerative Braking Efficiency with Supercapacitor for Electric Vehicles
2. Architect: Visualize Your Dream Space with Augmented Reality

**Faculty Name** : PORSELVI.T

**Journal/Conference :**

1. 2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS) (24-25 February 2024)

2. **Title :**

3. Smart Water Monitoring with GSM Alerts: An IoT Approach  
Smart Water Monitoring with GSM Alerts: An IoT Approach

# RESEARCH

**APPROVED SUPERVISOR:**

1. Dr. C. Nayanatara, Professor, Supervisor Recognition : 3430004

She is a recognized supervisor in the area of “Power Systems, optimization Techniques, Renewable Energy Technologies, FACTS” under the Faculty of Electrical Engineering, Anna University.

S. No	Name of the Student	Title of Research	University	Year of Registration	Programme (Ph.D/M.S by research)	Status	Mode of Study (PT/FT)
1	Ms.K. Usha Devi	ELECTRIC VEHICLE ROUTING STRATEGY BY OPTIMIZING DEMAND RESPONSE IN THE ELECTRIC NETWORK	Anna University	January 2024	Ph.D	Course Work	PT
2	Ms.A. Bala Vanitha	Demand Side Management for efficient utilization of industrial/residential power by improving load factor	Anna University	January 2024	Ph.D	Course Work	FT



# RESEARCH

2. Dr.K.Suresh, Associate Professor,upervisor Recognition : 4030007

He is a recognized supervisor in the area of “Power System, Intelligent Systems, Control Systems, Embedded Systems” under the Faculty of Electrical Engineering, Anna University

S. No	Name of the Student	Title of Research	University	Year of Registration	Programme (Ph.D/M.S by research)	Status	Mode of Study (PT/FT)
1	Mr.P.Sivaprakasam	HYBRID INTELLIGENT OPTIMIZATION TECHNIQUES FOR POWER SYSTEM RELIABILITY EVALUATION	Anna University	January 2024	Ph.D	Course Work	PT

# FACULTY DEVELOPMENT PROGRAM



Department Of Electrical And Electronics Engineering in association with Centre for Faculty and Professional Development Anna University conducted Six days offline faculty development programme on "Energy Storage Systems" from 05.02.2024 to 10.02.2024



# FACULTY PATENT DETAILS



**Faculty Name** : Dr. R. Azhagumurugan  
**Title** : CUTTING-EDGE SENSOR LESS SPEED REGULATION IN INDUCTION MOTOR  
**Application Number** : 2.02441E+11  
**Date of Filing** : 1/20/2024  
**Status** : Published  
**Date of Publication** : 2/9/2024



**Faculty Name** : P. Shanmugapriya  
**Title** : ENERGETIQ:AI'S IMPACT ON INDUSTRIAL ENERGY RESILIENCE  
**Application Number** : 2.02441E+11  
**Date of Filing** : 1/12/2024  
**Status** : Published  
**Date of Publication** : 2/2/2024



**Faculty Name** : Dr B Meenakshi  
**Title** : ANALYZING THE IMPACT ON THE TRANSMISSION MEDIUM BY BROADCAST PACKETS  
**Application Number** : 202421031598A  
**Date of Filing** : 4/20/2024  
**Status** : Published  
**Date of Publication** : 5/17/2024

# FACULTY PATENT DETAILS



**Faculty Name** : Dr. Saswati Kumari Behera  
**Title** : 1. BUILDING STRUCTURAL MATERIAL FOR BUILDING- STANDARD STEEL-FRAMED STEEL MATERIAL AND ITS MANUFACTURING METHOD  
2. THE IOT ENABLED SMART HEALTH MONITORING SYSTEM IS REVOLUTIONIZING HEALTH CARE WITH CONNECTED DEVICES AND  
**Application Number** : DATA ANALYSIS  
1. 415307-001  
2. 2.02441E+11  
**Date of Filing** : 1. 4/29/2024  
2. 3/14/2024  
**Status** : Published  
**Date of Publication** : 2. 2/2/2024



**Faculty Name** : Dr. A. Sanjeevi Gandhi  
**Title** : INTELLIGENT INSPECTION SYSTEM FOR INDUSTRIAL GOODS UTILIZING MACHINE LEARNING ALGORITHM  
**Application Number** : 2.02441E+11  
4/1/2024  
**Date of Filing** : Published  
**Status** : 4/12/2024  
**Date of Publication**

# FACULTY TRAINING PROGRAM



**Faculty Name** : SIVAPRASAD.R  
**Name of the FDP/STTP** : UHV-II FDP  
**Date** : 27/05/2024 -01/06/2024  
**Conducted By** : ALL INDIA COUNCIL FOR TECHNICAL EDUCATION



**Faculty Name** : K. PRATHIBANANDHI  
**Name of the FDP/STTP** : UHV-2  
**Date** : 27/05/2024 -01/06/2024  
**Conducted By** : AICTE



**Faculty Name** : PORSELVI.T  
**Name of the FDP/STTP** : 1.EVdesignusingMATLAB  
2.IndustrialTrainingprogramatthe  
**Date** : 1.(29/05/2024-20/06/2024)  
2.(29/05/2024-05/06/2024)  
**Conducted By** : 1.I-STEMBangalore  
2.INDUSTRIALTECHNOBLITZ



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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### EDITOR TEAM

**DR.SHARMILA P**

*Associate Professor*

**Electrical and Electronics Engineering**

### STUDENT EDITOR TEAM

**SURIYAN.N**

*III Year*

**Electrical and Electronics Engineering**

**UTHAMA RAJA M**

*II Year*

**Electrical and Electronics Engineering**

**MAHATHI S V**

*II Year*

**Electrical and Electronics Engineering**

**MOHAMMED AZARUDEEN F**

*II Year*

**Electrical and Electronics Engineering**

**HIRANYA KARTHIKA M**

*II Year*

**Electrical and Electronics Engineering**

**DIVYAVARSHINI M**

*II Year*

**Electrical and Electronics Engineering**

**SIVARAM B G**

*II Year*

**Electrical and Electronics Engineering**



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