



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT ACHIEVEMENTS

ONGOING FUNDED PROJECTS

Rs. 29,95,000/-



MSME Idea Hackathon 5.0

2025-26 - Rs.15,00,000

Design and Development of a Boat-Mounted Plug-and-Play Cold Storage Unit Using Hybrid Solar - Sea Wave Energy for 24x7 Fish Preservation to Support the Vision of PMMSY Scheme in Coastal India



MSME Idea Hackathon 4.0

2025-26 – Rs.14,95,000

Making PM Vishwakarma's Vision a Reality: Fabricating Eco-Fishing Nets from Brown Seaweed (Phaeophyceae) Waste Enabled by IoT



GATE SCORER



Er.M.KESAVAN

2022-26 BATCH

EXTRA CURRICULAR



DILIPAN.R secured Second Place in the Zone-Level Volleyball Tournament held on 17–18 October 2025, showcasing outstanding sportsmanship and teamwork.



MOHANA KANNAN K secured Third Place in the University-Level Kabaddi Tournament held at SASTRA College of Engineering, Kumbakonam, from 13–15 March 2026, demonstrating excellent skill, teamwork, and competitive spirit.



R. THANGASELVAM of III EEE Won medal in the National Integrity Marathon conducted by Virudhunagar Goodwill Scouts.



D. Dharini of III EEE won third place in Madurai Marathon-2024.

STUDENT'S PARTICIPATIONS IN VARIOUS ACTIVITIES



M. Yogan Dhanush, R. Joshuva Raj, G. Prem, and S. John Raj secured I Prize in the **Paper presentation** at the **National Level Technical Symposium** held at **Hindustan Institute of Technology, Coimbatore**.



M. Siva Pardeepan and Joseph Amalraj won the III Prize in the **Paper Presentation** event at **SPECTRA 2K25, KGiSL Institute of Technology**.



SenthilVelan B, Abdul Malik A, and Manoj A secured I Prize in the Event at the **National Level Technical Symposium**.



C.Sanjay, N.Manikandan, M.Raguram and J.Mithun prasath won in I prize in **Project presentation** held at **Kalasalingam Academy of Research**



A.Kankesh raj won I prize in **Cognitive castle. EARENDEL 2024**, **Thiagarajar College of Engineering, Madurai**



A. Janani Priya and K. Bharathi secured II Prize in the **Science Expo – Inter-College Symposium, TXPO 2K24**,

Academic Year	Level	Total	Winners	Participants
2024-25	National	108	14	94
	State	1	0	1
2023-24	National	141	43	98
2022-23	National	76	28	48
	State	4	0	4



S. John Raj – I Prize, Paper Presentation, National Level Technical Fest, Karpagam Academy of Higher Education, Coimbatore,



M. Subha Shri secured First Prize in the **Paper Presentation** event at **GYANMITRA 2024, a National Level Technical Symposium**, held at **Mepco Schlenk Engineering College, Sivakasi**



C. Bhavya Shree secured I Prize in the **Paper Presentation** event and II Prize in the **Project Display** event at **TECHNOBUZZ-2K23, National Level Technical Symposium**.

PRIZE WINNING ACTIVITIES

❑ **S. Hari Prasad (23UEE012)** secured **First Prize** in **Circuit Arena** at **TECHUTSAV'26 ELECTRIX**, conducted by **Thiagarajar College of Engineering, Madurai**, at the **National Level**.

❑ **Surya Prakash Kumar M (23UEE016)** secured **First Prize** in **Paper Presentation** at **BioXverse 2025**, organized by **P.S.R. Engineering College, Sivakasi**, at the **National Level**.

❑ **Saravana Bhavan S (23UEE002)** secured **Fifth Place** in the **Hackathon (Euphoria)** conducted by the **MATLAB Learning Centre, Kalasalingam Academy of Research and Education**, at the **National Level**.

❑ **Joseph Amalraj A (23UEE003)** secured **Fifth Prize** in the **Hackathon** conducted by **Kalasalingam Academy of Research and Education**, at the **National Level**.

❑ **Siva Pardeepan M (23UEE004)** secured **Third Prize** in **Project Presentation** at the symposium conducted by **Kalasalingam Academy of Research and Education**, at the **National Level**.



❑ **S. Hari Prasad (23UEE012)** secured **Third Prize** in **Project Presentation** at **EUPHORIA–2K26 (NIMDHA’26)** conducted by **Kalasalingam Academy of Research and Education**, at the **National Level**.

❑ **N. Mani Kandan (23UEE024)** secured **Third Prize** in **Project Presentation** at **Euphoria 2026 – Nimdha’26**, organized by **Kalasalingam Academy of Research and Education**, at the **National Level**.

❑ **Dilipan R (23UEE001)** secured **Third Prize** in **Project Presentation** conducted by the **Department of EEE, Kalasalingam University**, at the **National Level**.

❑ **Saravana Bhavan S (23UEE002)** secured **Fifth Place** in the **MathWorks Hackathon** conducted by **Kalasalingam Academy of Research and Education**, at the **National Level**.

❑ **Prasanna S (23UEE027)** secured **Second Prize** in **Project Expo** at the symposium conducted by **P.S.R. Engineering College, Sivakasi**, at the **National Level**.



❑ **S. Hari Prasad (23UEE012)** secured **Third Prize** in **Project Presentation** at **EUPHORIA–2K26 (NIMDHA’26)** conducted by **Kalasalingam Academy of Research and Education**, at the **National Level**.

❑ **N. Mani Kandan (23UEE024)** secured **Third Prize** in **Project Presentation** at **Euphoria 2026 – Nimdha’26**, organized by **Kalasalingam Academy of Research and Education**, at the **National Level**.

❑ **Dilipan R (23UEE001)** secured **Third Prize** in **Project Presentation** conducted by the **Department of EEE, Kalasalingam University**, at the **National Level**.

❑ **Saravana Bhavan S (23UEE002)** secured **Fifth Place** in the **MathWorks Hackathon** conducted by **Kalasalingam Academy of Research and Education**, at the **National Level**.

❑ **Prasanna S (23UEE027)** secured **Second Prize** in **Project Expo** at the symposium conducted by **P.S.R. Engineering College, Sivakasi**, at the **National Level**.



❑ **Nanthakumar A (23UEE005)** secured **Third Prize** in **Project Presentation** at the symposium conducted by **Kalasalingam Academy of Research and Education**, at the **National Level**.

❑ **Raguram M (23UEE023)** secured **Fifth Place** in the **MathWorks Hackathon** conducted by **Kalasalingam Academy of Research and Education**, at the **National Level**.

❑ **Surya Prakash Kumar M (23UEE016)** secured **Third Prize** in the **Project Expo** event at **EUPHORIA 2K26 – NIMDHA'26**, organized by **Kalasalingam Academy of Research and Education**, at the **National Level**.

❑ **Sasikhanth B (23UEE022)** secured **Second Prize** in **Project Expo** at **GILBERTRONIX'2K25**, conducted by **P.S.R. Engineering College, Sivakasi**, at the **National Level**.

❑ **Deepthika P. V. (23UEE015)** secured **First Prize** in **Paper Presentation** at the symposium conducted by **Mepco Schlenk Engineering College, Sivakasi**, at the **National Level**.

❑ **Mareeswari K (23UEE011)** secured **Second Prize** in **Paper Presentation** at the symposium conducted by **P.S.R. Engineering College, Sivakasi**, at the **National Level**.



•**Vairavan K (23UEE008)** secured a prize in **Project Expo** at **GILBERTRONIX'2K25**, conducted by **P.S.R. Engineering College**, Sivakasi, at the **National Level**.

•**M. Krishna Priyan (24UEE019)** secured **Second Prize** in **Idea Presentation** at **Ideathon'26**, conducted by **P.S.R. Engineering College**, at the **State Level**.

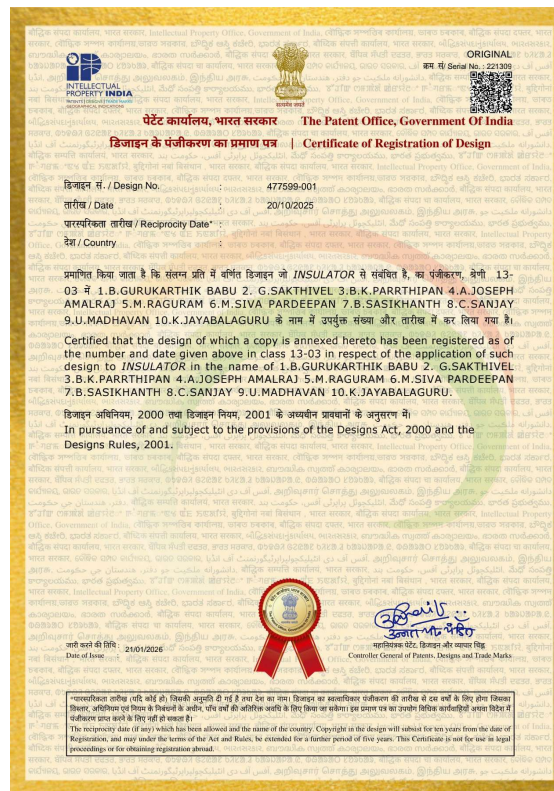
•**B. Srinishanth (24UEE028)** secured **Second Prize** in **Idea Presentation** at **Ideathon**, conducted by **P.S.R. College of Engineering and Technology**, at the **International Level**.

•**S. Anish (24UEE034)** secured **Second Prize** in **Project Presentation** at **NexGen'26**, conducted by **Ramco Institute of Technology**, Rajapalayam, at the **National Level**.

•**Kalaichelvan G (24UEE013)** secured **Second Prize** in **Project Expo** at **NEXGEN'AI 26**, organized by **Ramco Institute of Technology**, Rajapalayam, at the **National Level**.



Raguram M (23UEE023), Abdul Malick S (23UEE025), Sivakutti M (23UEE026), and Prasanna S (23UEE027) were granted a Design Patent (Design No. 478209-001) on 28 October 2025, recognizing their innovative design and contribution to intellectual property creation.



1.Yogan Dhanush.M, Kesavan.M,
Abdul Rahman Faisal, and
Charupriya.

2.G.Prem.G, Partha Sarathy.S and
Kesavan.

3.M Manjuladevi.P, Santhiya.J,
Dharun Raja.T, & Madhumitha.
M Presented the paper in the **IEEE
4th Odisha International
Conference (ODICON-2026)** held at
Siksha 'O' Anusandhan (Deemed
to be University),
**Bhubaneswar,Odisha, on 20-21 F
ebruary 2026.**



Darsan, S., Ajay, S., Harikumar, S., Deepa Vishali,
S., and Pooja K. "Title of the Article." *International
Journal of New Innovations in Engineering and
Technology (IJNIET)* 24, no. 1 (March 2024).



R. Vishwambaran, A. Mohamed Sajudheen, and
V. Naresh Kumar presented a paper at the
International Conference on (IMSTEM-2025)
held at St. Joseph's College of Engineering

STUDENT PUBLICATIONS



N. M. Arun Balaji, R. Jeenath, and S.
Vignesh presented a paper at the First
International Interdisciplinary
Conference on Energy, Nanotechnology
and Internet of Things at NIT,
Puducherry.



M. S. Vishal, S. Sudarshan, K. Shri Sanjay
Ram, and P. Santoshkumar (VIII Semester)
presented a paper at the International
Conference on Emerging Trends in
Electrical Machines, Power and Energy
Systems (EMPOWER 2024), held at SRM
Institute of Science and Technology.



S. Benjamin Devasakayam, M.
Sankarasathasivam & Dhanapal A.presented a
research paper at the First International
Engineering Conference on Research and
Innovation (DU ICERI 2023), held at Delta
University, Egypt

DV, Sahi.
"Crashworthiness
Characterization on
Thin-Walled Tube with
Rubberized Coir Filled
in Quasi-Static
Loading." *Materials
Circular Economy* 6,
no. 1 (2024): 1-8.

Shalini, D., and C.
Bhavyasri.
"Development of ECO-
Friendly Battery
Balancing Kit for
Electric Vehicle
Application."
*International Journal of
New Innovations in
Engineering and
Technology (IJNIET)*
24, no. 2 (April 2024).

S. Hari Prasad, P. V.
Deepthika, J. Midun
Prasanth, N.
Manikandan, M. Surya
Prakash Kumar & S.
Shanthini presented a
research paper
(MEEHCON'24), held
on 20-21 December
2024 at NIT Calicut,
Kerala.

EEE-NBA-2026

COPY RIGHTS

S. Hari Prasad (23UEE012), J. Midun Prasanth (23UEE017), P. V. Deepthika (23UEE015), N. Mani Kandan (23UEE024), and M. Surya Prakash Kumar (23UEE016) secured a Copyright Registration (Certificate No. LD-20260182007, Date of Registration: 09.02.2026) for the work titled “Developing an Automated Load Sharing Calculation Tool for Parallel Alternators with C Programming to Simplify Power System Analysis.”

Student Name : HARI PRASAD.S | Roll No : 23UEE012

प्रतिरूपकता प्रमाणपत्र / Certificate No.: LD-20260182007

प्रतिरूपकता कार्यालय, भारत सरकार | Copyright Office, Government of India

प्रतिरूपकता विधेय का नियम 70 | Rule 70 of The Copyright Rules

प्रतिरूपकता रजिस्टर में पंजीकरण | Extracts from the Register of Copyrights

अर्पण क्र. / Application No.: LD-51402/2025-CO दिनांक करने की तिथि / Date of Filing: 10/12/2025

यह प्रमाणित किया जाता है कि प्रतिरूपकता अधिनियम, 1957 के प्रावधानों के अनुसार, उपरोक्त आवेदन में पंजीकृत कार्य "Developing an Automated Load Sharing calculation Tool for Parallel Alternators with C Programming to Simplify Power System Analysis." नामक कार्य के लिए प्रतिरूपकता प्राप्त किया गया है।
This is to certify that a copyright has been registered for the work titled "Developing an Automated Load Sharing calculation Tool for Parallel Alternators with C Programming to Simplify Power System Analysis," as disclosed in the below mentioned application in accordance with the provisions of the Copyright Act, 1957.

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दिनांक / Date of ROC: 09/02/2026

For Additional details please see next page.

Page 1 of 2



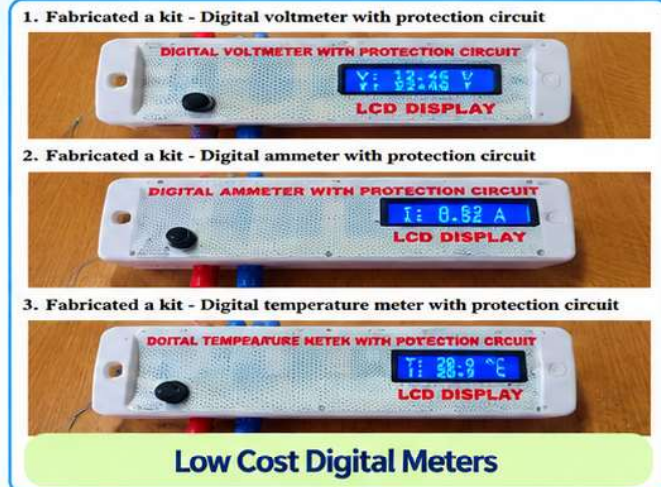
Products Developed



**Intelligent Solar
Powered Street Light**



**Auto Ignition
Temperature Measuring Kit**



1. Fabricated a kit - Digital voltmeter with protection circuit

2. Fabricated a kit - Digital ammeter with protection circuit

3. Fabricated a kit - Digital temperature meter with protection circuit

Low Cost Digital Meters



**Multi output Battery pack
with Active balancing**



**IoT based Smart
Water Monitor**



**Supercapacitor based
Energy Storage System**

Innovative Solutions for a Sustainable Future



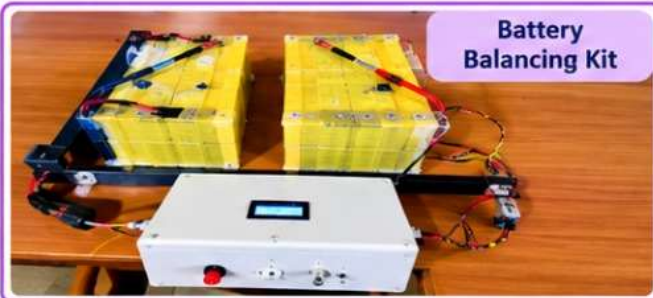
Products Developed



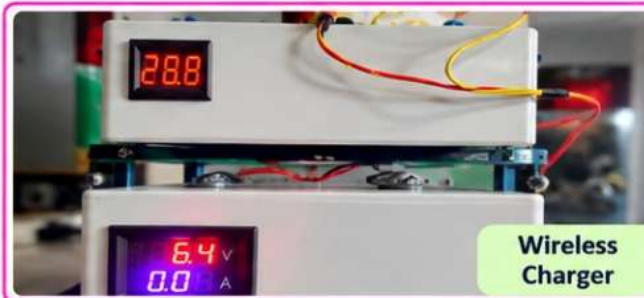
Vertical Axis
Wind Turbine



E-Vehicle Powered with
Flexible Solar Panel and
Wireless Charging



Battery
Balancing Kit



Wireless
Charger



Smart Solar Assisted
E-Cycle Kit



Solar Cold Storage
System



Geometry-Driven Energy Optimization in
Flexible Photovoltaic Systems for Urban Space
Constraints (2022 – 2026 Batch)



Intelligent Solar
Design

MPPT Controller

PV Voltage (V) 17.8
PV Current (A) 4.2
Battery Voltage (V) 13.6
Charging Status Charging

System Settings

Load Type DC Load
Battery Type LiFePO4
MPPT Mode Auto

Running

ESP based MPPT Controller

Innovative Solutions for a Sustainable Future