

VIDYUT NEWSLETTER

MARCH 2024

Volume II - Issue 3

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING



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ABOUT THE DEPARTMENT

Welcome to the Department of Electrical & Electronics Engineering (EEE) at Sri Venkateswara College of Engineering (SVCE) in Sriperumbudur.

Established in 1985, the department was created to address the curriculum requirements of Electrical engineering subjects within Electronics and Communication Engineering, Mechanical Engineering, and Computer Science Engineering. Initially admitting 60 students, the department now accommodates 120 students, reflecting the growing demand for its programs.

The department holds permanent affiliation with Anna University and has been accredited by the National Board of Accreditation (NBA) for five consecutive years. Additionally, it offers a postgraduate program (M.E) in Power Electronics and Drives since 2002, with an intake capacity of 6 students.

Equipped with state-of-the-art laboratories, the department is recognized as a nodal research center by Anna University. Its faculty and staff members are highly qualified and experienced, possessing proven abilities and skills.

Graduates of the department have been successfully placed in renowned companies, while a significant number pursue advanced studies abroad.

The Department goes beyond the curriculum to nurture young minds by fostering technical clubs that promote technical events, community development, societal impact, and programs on universal values and ethics.

In line with this commitment, the Department of Electrical & Electronics Engineering has established the Institute of Electrical and Electronics Engineers (IEEE) and the Association of Electrical and Electronics Engineers (AEEE) to support students' innovations.

EEE – WE LIGHT THE WORLD



VISION AND MISSION

Vision of the Institution

To be a leader in Higher Technical Education and Research by providing the state-of-the-art facilities to transform the learners into global contributors and achievers.

Mission of the Institution

To develop SVCE as a "CENTRE OF EXCELLENCE" offering Engineering Education to men and women at undergraduate and postgraduate degree levels, bringing out their total personality, emphasizing ethical values and preparing them to meet the growing challenges of the industry and diverse societal needs of our nation.

Vision of the Department

The vision of Electrical and Electronics Engineering Department is to provide a high standard of education in Electrical and Electronics Engineering so as to meet the industry standards through domain.

Mission of the Department

M1: To create state of the art facilities such that the students excel in Electrical and Electronics Engineering education.

M2: To equip students with a well-defined curriculum to meet the requirements of Industries and society.

M3: To promote a culture of research, innovation and entrepreneurship in the thrust and allied areas of Electrical and Electronics Engineering.

M4: To inculcate soft skills and foster ethical values and shape the total personality of the student

PROGRAM EDUCATIONAL OBJECTIVES AND

PROGRAM OUTCOMES – UG(EEE)

Program Educational Objectives (PEOs) UG-EEE

PEO1: Graduates of EEE transformed to engineering contributors in the fields of Electrical, Electronics and Computer Engineering.

PEO2: Succeed in becoming entrepreneurs through human centered design thinking and innovation.

PEO3: Become eligible to pursue higher studies in their chosen areas of engineering or management

PEO4: Effective, conscious and ethical team player in the field of green energy management and sustainability

Program Outcomes (POs) for UG-EEE

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage: Create, select and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES – UG(EEE)

6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and lead.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

PSO1: The ability to build, implement, test and maintain analog and/or digital systems and implement electronic control of Drives for Industrial automation and Electric Vehicle.

PSO2: The ability to analyze Power System network encompassing stability, control and protection and interconnection of Renewable Energy Sources with Micro and smart grid.

PROGRAM EDUCATIONAL OBJECTIVES AND

PROGRAM OUTCOMES – PG(EEE)

Program Educational Objectives for PG Program (PEOs)

- I. Contribute professionally in fields of Power Electronic and related domains.
- II. Manage and execute research and development projects leading to technological solutions that address industries and society.
- III. Succeed in pursuing higher studies in engineering domains.

Program Outcomes (POs) for PG-PED

PO1: An ability to independently carry out research/investigation and development work to solve practical problems.

PO2: An ability to write and present a substantial technical report/document.

PO3: Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

Program Specific Outcomes (PSOs) for PG-PED

PSO1: The ability to design and analyze Power Electronic converters and control of Electric drives for Industrial applications.

PSO2: The ability to apply Power Electronic Circuits in Transmission and distribution network of Power System and interconnection of Renewable Energy.

WOMEN EMPOWERMENT CELL & EPIC WOMEN CELL OF SVCE ACTIVITY

5th March 2024

Hack'her'thon



Women Empowerment Cell and **Epic-Women Cell of SVCE** conducted an Inter-Collegiate Hack'Her'Thon on 5th and 6th March,2024. **Dr.KR.Santha**, Women Empowerment Cell Chairperson, Vice-Principal & HOD-EEE inaugurated the event. **Ms.Sofiny Shiju, Senior Manager-IT, Flex** presided over the function as the Chief Guest. The Theme of the event was "Sustainable Development Goals". There were 155 female candidates from SVCE and other Colleges participated in the event as 44 teams and the top teams were provided with Internship Offers and prize of Rs.15,000.

VIDYUT - MARCH 2024

WOMEN EMPOWERMENT CELL - SVCE ACTIVITY

8th March 2024

Women's Day



Women Empowerment Cell of SVCE organized events for Women's Day on 08-03-2024. **Dr.KR.Santha**, Women Empowerment Cell Chairperson, Vice-Principal & HOD-EEE inaugurated the event with the Chief Guest **Mrs.Sivaranjani Manikandan**, Director, Production Quality and Supervisor Operations, Coastal Technologies India Pvt. Ltd., Chennai in Multi-Purpose Hall. More than 8 events like Solo Vocals, Connexions, Cooking without Fire were conducted. Food stalls were arranged in the Open Air Theatre for the students during the event day.

VIDYUT - MARCH 2024

NATIONAL LEVEL TECH FEST - SVCE

15th March 2024

TECHNOWAYS - NATIONAL LEVEL TECH FEST INAUGURATION



Dr.KR.Santha, Vice-Principal honoured the Chief Guest **Sriram Vembu,AVP-Cognizant Technology Solution** and he inaugurated the event on 15-03-2024 in the Multi-Purpose Hall. Students from SVCE and other colleges participated in the event.

NATIONAL LEVEL TECH FEST - SVCE

TECHNOWAYS - NATIONAL LEVEL TECH FEST

SDG Innovation Challenge



Name of the event : SDG Innovation Challenge for Project Display

Event Coordinator : **Ragul K K**, III Year of EEE

Date and Time : 15-03-2024 at 11AM

Venue : Drawing Hall

Winners : I Place - Sricharan, Sairam College of Engineering

II Place -Barath Raj, Helson Boby,

Dharun Prasanth, SVCE

NATIONAL LEVEL TECH FEST - SVCE

TECHNOWAYS - NATIONAL LEVEL TECH FEST

UKowHunt



Name of the event : UKnowHunt

Event Coordinator : **Barath S N**, III Year of EEE

Date and Time : 15-03-2024 at 1PM

Venue : 5th Block Classroom 521,522,523,524

Winners : **I Place - Jason Jeffrey Raj, SVCE**

II Place - Nasreen, SVCE

NATIONAL LEVEL TECH FEST - SVCE

TECHNOWAYS - NATIONAL LEVEL TECH FEST

The Twisted Heist



Name of the event : The Twisted Heist

Event Coordinator : **Tharun Balaji G**, III Year of EEE

Date and Time : 16-03-2024 at 11AM

Venue : 5th Block Classroom 521

Winners : **I Place - Monica S & Neha Vishnu Vijayan, SVCE**
II Place - Hritish Calvin L & Naveen Kumar G, SVCE

DEPARTMENT ACTIVITIES

11th March 2024

Industrial Visit To ISRO



An Industrial Visit to **Indian Space Research Organization (ISRO)** was organized by the department on 11th March, 2024 to third year students. The faculty members **Mrs.K.Suganthi**, Assistant Professor, **Dr.N.Shanmuga Vadivu**, Associate Professor, **Mr.S.Bharadwaj**, Assistant Professor, **Mr.G.Vinoth Kumar**, Assistant Professor accompanied around 90 students and guided them throughout the day.

DEPARTMENT ACTIVITIES

13th March 2024

BIS Standards Club Activities



The Inauguration cum Orientation Program of the Bureau of Indian Standards (BIS) Standards Club of the EEE Department was coordinated by **Dr.C.Venkatesan**, Associate Professor on 13-03-2024.

In continuation of this, the following activities were organized for the Standards Club members of the EEE Department: Essay Writing Competition on 18-03-2024 and Quiz Program on 22-03-2024 at Software Laboratory of EEE Department.

DEPARTMENT ACTIVITIES

16th March 2024

Indian Society Training & Development(ISTD)-SVCE

Identity Ignite



ISTD Student Chapter SVCE conducted an exclusive programme "Identity Ignite- Mastering the Art of Personal Branding" which is specially curated for 1st and 2nd year students in Bio-Tech Seminar Hall.

Session I : 'Crafting Your Authentic Personal Brand' by the **Chief Guest Mr.Sujit Nayak**, SR Vice President & Business Head-Fambu Division, Brakes India

Session II : 'Ethics in Personal Branding' by **Dr.R.Karthikeyan**, Professor

Session III : Personal Brand Audit' by **Dr.S.G.Bharathidasan**, Professor

Event Coordinators : **Swetha A & Suruthigha S K**, III Year

DEPARTMENT ACTIVITIES

20th March 2024

One Day Workshop on IPR



The Department in association with Science and Engineering Research Board(SERB) organized the One Day Workshop on “**Process and Drafting of Intellectual Property Rights**” on 20.03.2024 (Wednesday) in Library Seminar Hall. Forty students and faculty members participated in the event.

Session I : By Chief Guest **Dr.S.P.Subramaniyan**, Deputy Controller of

Parents & Designs Intellectual Property Rights, Govt. of India

Session II : ‘Physical Filing Process’ by **Dr.C.Gopinath**, Professor

Session III : ‘E-Filing Process’ by **Dr.R.Kannadasan**, Assistant Professor

Session IV : ‘Case Studies on getting patent grant in Academic Institutions’

by **Dr.G.Geetha**, Deputy Director, CIPR, Anna University, Women Scientist under WOSC Kiran IPR(DST),Intellect Property Analyst

DEPARTMENT ACTIVITIES

23rd March 2024

Parent-Teacher's Meet



Parent-Teacher's day meet for the **EVEN semester of academic year (2023-2024)** was held on 23.03.2023, Saturday. Dr. KR. Santha, Professor & HOD-EEE interacted with the parents regarding importance of regular class attendance, Laboratory class attendance, CAT exams, Special classes and Career planning on a one-to-one basis. 36 parents enthusiastically participated in the meet.

PROJECT FUNDING RECEIVED

Naan Mudhalvan Program

The project proposal submitted by **Keerthana S, Sabari S and Srilayaa R T** team of final year students was approved for the Naan Mudhalvan program

“NEURON BASED CONTROL MECHANISM FOR ROBOTIC ARMS AND LEGS” guided by **Dr.KR.Santha(Professor & Head, EEE)**



Keerthana S



Sabari S



Srilayaa R T

Mentor :

Dr.KR.Santha

Professor & HoD-EEE

&

The project proposal submitted by **Harini N, Haresh V, Ashwanthram T** team of final year students was approved for the Naan Mudhalvan program

“Sensory detector of hazardous gases in poultry farm using H₂S/NH₃ sensor” guided by **Dr.Sudhakar K Bharatan (Professor, EEE)**



Harini N



Haresh V



Ashwanthram T

Mentor :

Sudhakar K Bharatan

Professor

INTRAMURAL FUNDING - UG Project - SVCE



Dr.KR.Santha

Professor & HoD-EEE

The project by **MS.Keerthana S, Mr. Sabari S, Ms. Srilayaa R** of final year on “Neuron Based Control Mechanism For Robotic Arms And Legs” mentored by Dr.KR.Santha Professor & Head received Rs.10,000 intramural funding for the AY 2023-2024



Keerthana S



Sabari S



Srilayaa R



Dr.C.Gopinath

Professor, Mentor



Ajay Rohith G



Bharathi



Dafinny T

Priyadharshini P

The project by **Mr.Ajay Rohith G, Ms.Bharathi Priyadharshini P, Ms.Dafinny T** of final year on “Design and Enhancement of EV Driving Range using Flexible PV Module” mentored by **Dr.C.Gopinath Professor** received Rs.10,000 intramural funding for the AY 2023-2024

PATENT FILED

Design Patent Filed



Dr.C.Gopinath, Professor

Dr.C.Gopinath, Professor and Dr.P.Prabhavathy AP /CSE, Anna University published an Indian Design Patent filed on 11-03-2024.

Title: IoT Integrated Hybrid Powered EV Charging Station

Application Number:410057-001

Status: Waiting for Technical Examination

EXPERT/GUEST LECTURE DELIVERED




19th March 2024

Women Entrepreneurship Development Program



Dr.KR.Santha

Vice-Principal & HOD-EEE

 Sri Venkateswara College of Engineering  DEPARTMENT OF SCIENCE & TECHNOLOGY  EPIC

Entrepreneurship Promotion and Incubation Center (SVCE-EPIC)
SRI VENKATESWARA COLLEGE OF ENGINEERING
(An Autonomous Institution - Affiliated to Anna University, Chennai)
Sriperumbudur Tk - 602 117, Tamil Nadu

Cordially invites you for the valedictory function of

Women Entrepreneurship Development Program
(Sponsored by Department of Science and Technology (DST), Govt. of India)

at 02.00 P.M on 19/03/2024 (Tuesday)
Google meet link: meet.google.com/jtr-wjdf-kyc

Dr.KR. Santha
Vice Principal
Professor- Department of Electrical & Electronics Engineering
Sri Venkateswara College of Engineering
Sriperumbudur-Tk-602117.

has kindly consented to validate the Women Entrepreneurship Development Program

Dr.KR.Santha, Vice-Principal & HOD-EEE has participated and delivered valedictory address on the Women Entrepreneurship Program (WEDP) valedictory function, which is being organized in our Sri Venkateswara College of Engineering college with the support of the Department of Science and Technology (DST), Govt of India. The programme aims at training the Science and Technology graduates and diploma holders in the essentials of conceiving, planning, initiating and launching an economic activity or an enterprise successfully. WEDP mainly focuses on training and development needs of Science & Technology women entrepreneurs in a specific technology area.

EXPERT/GUEST LECTURE DELIVERED

International Conference Session Chair

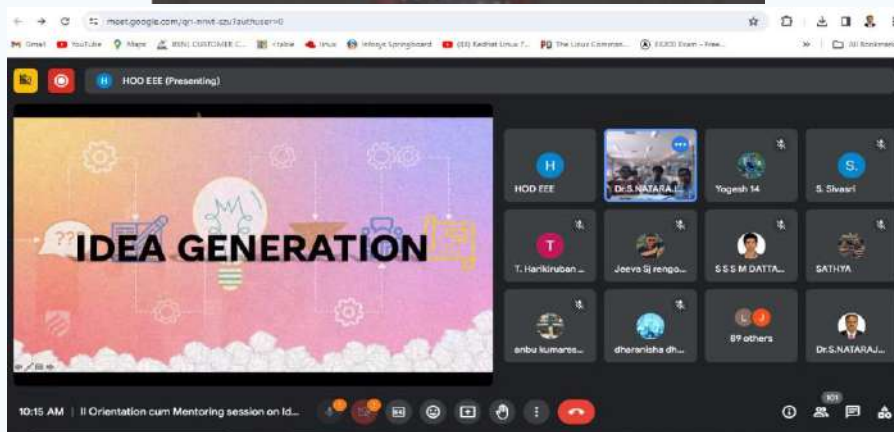


Dr.C.Gopinath, Professor has been the Session Chair for the International Conference on "Informatics and Smart Engineering Systems (INSES 2024)" organized by Loyola-ICAM College of Engineering and Technology (LICET) in technical collaboration with National Institute of Technology (NIT) Silchar on 21-03-2024 at LICET.

EXPERT/GUEST LECTURE DELIVERED

26th March 2024

Mentor Mentee Program on "Idea Generation and Design Thinking"



Dr.KR.Santha, Vice-Principal, Professor and HOD delivered a Session on 'Idea Generation' organized by IIC SVCE for the Ministry of Education (MoE) Innovation Cell. The main objective of the Programme is to encourage our associated institutions to participate in various Idea Generation and Design Thinking initiatives of the Ministry of Education Innovation Cell, mentoring support to students and establishment of pre-incubation and incubation facilities. The session was conducted through Online on 26-03-2024 (Tuesday) from 10AM.

PROPOSAL SUBMITTED



Dr.C.Gopinath, Professor

PI: Dr.C.Gopinath Professor/ EEE

Co-PI: Dr.C.Yaashuwanth Professor / INT

UBA SEG Name: Rural Energy Systems

Empowering Villages through Intelligent Vigilance

Rs.1,00,000/-

Submitted, queries addressed and final decision under process.

FELLOWSHIP RECEIVED UNDER INUP i2i - IIT Madras



Dr.Sudhakar KB
Professor



Ms.S.Sinthamani
Asst Professor



Mr.M.Ranjithkumar
Asst Professor



Ms.S.Sinthamani, Assistant Professor and **Dr.Sudhakar KB**, Professor submitted a project proposal to INUP i2i IITM “Fabrication and Characterization of CuO/ZnO based solar cell” and the same was approved for execution under the scheme of short time project execution(Pid:IITMP22FCH191) in the Centre for Nano electromechanical Systems and Nanophotonics (CNNP) is the micro/nano fabrication facility for advanced electronic devices, MEMS, and photonics at IIT Madras.

Mr.M.Ranjithkumar, Assistant Professor and **Dr.Sudhakar KB**, Professor submitted a project proposal to INUP i2i IITM “ Fabrication of 2D MoS₂/ZnO Photodetector” and the same was approved for execution under the scheme of short time project execution (IITMP22CH40) in the Centre for Nano electromechanical Systems and Nanophotonics (CNNP) is the micro/nano fabrication facility for advanced electronic devices, MEMS, and photonics at IIT Madras.

JOURNAL PUBLICATION



Mrs.K.Suganthi Asst prof

Dr.S.S.Sethuraman Asso prof

“Coupled inductor-based triple output bi-polar converter with duty cycle estimation” by **Mrs.K.Suganthi**, Assistant Professor, **Dr.S.S.Sethuraman**, Associate Professor was published in the International Journal of Circuit Theory and Applications, Vol. 52 No. 3, pp. 1465-1488, March 2024.

“A Soft Switched Coupled Inductor based Interleaved Buck Boost Converter for LED Driver” by Aakash A, **Mrs.K.Suganthi**, Assistant Professor was published in the 2024 Fourth IEEE International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024), organized by Shri Shankaracharya Technical Campus, Bhilai, Chhattisgarh, India during 11 - 12, January 2024. (indexed in ieeexplore on 21 march 2024). <https://doi.org/10.1109/ICAECT60202.2024.10468719>



Dr.R.Kannadasan Asst prof

Dr.R.Kannadasan, Assistant Professor has published a paper in Alexandria Engineering Journal - Elsevier titled "A comprehensive survey of energy-efficient computing to enable sustainable massive IoT networks"; the journal is SCIE and AU annexure indexed under Quartile (Q) 1 with an impact factor of 6.8. <https://doi.org/10.1016/j.aej.2024.01.067>

FACULTY PARTICIPATION

8th March 2024

Samsung India Electronics Private Limited Visit



Faculty member team composed of **Dr.S.Ganesh Vaidyanathan**, Principal, Chief placement Officer, HOD/Mechanical and **Dr. Sudhakar K Bharatan**, Assistant HOD/EEE, visited the Samsung India Electronics Private Limited on 08-03-2024. SVCE team had a meeting with the Director, Automation division, discussed the modalities of pre-placement offers for the Final year UG EEE and Mechanical Engineering students initiating possible long run collaboration between Samsung and SVCE.

FACULTY PARTICIPATION

15th March 2024



Dr.S.Kumaravel, Associate Professor, **Dr.T.Annamalai**, Associate Professor and **Mr.D.S.Purushothaman**, Assistant Professor attended PALS Industry Visit to L&T Rubber Processing Unit. The visit commenced promptly at 10:00 AM within the auditorium of the L&T factory, where we were warmly welcomed by Mr. Jayavel Murugan, the General Manager and Head of L&T Rubber Processing Machinery.

FACULTY PARTICIPATION

28th March 2024

UBA ACTIVITY



Dr.C.Gopinath, Professor has delivered a talk on the necessity of Digital Literacy for school students organised for Basic Computer and Digital Literacy on 28-03-2024 at Poonthandalam Village under Naadu Nam Veedu Thittam.

PARTICIPATION IN INTERNATIONAL/ NATIONAL CONFERENCE



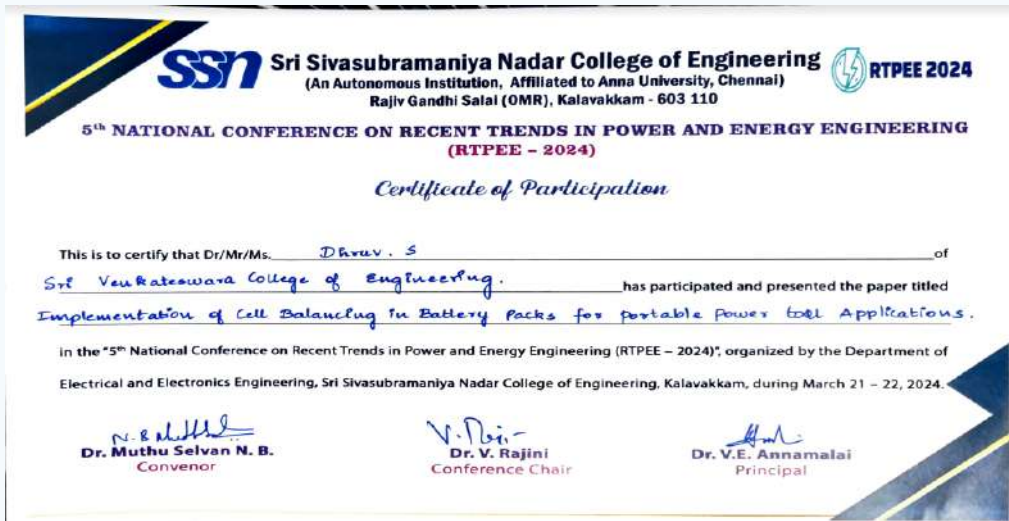
Dhruv S , Guhan Sanjeevi V and Jaganathan K of final year has participated and presented a paper in the 5th National Conference on Recent Trends in Power and Energy Engineering held by SSN College of Engineering. The students were mentored by Dr.S.S.Sethuraman, Associate Professor.

Paper title: Implementation of Cell Balancing in Battery Packs for Portable Power Tool Applications

Abstract: Lithium-ion battery packs used in power tools frequently exhibit cell imbalances, which reduce overall lifespan, capacity, and user experience. This project addresses cell balancing through a novel smart charger design that incorporates active balancing techniques. A comprehensive model of the entire charger was created and simulated using MATLAB/Simulink. The model includes a power conversion stage with a step-down transformer and AC/DC rectification, individual power electronic switches for controlling cell charging, and a microcontroller unit to control the charging of the individual cells. The microcontroller unit uses a custom cell balancing algorithm that controls charging based on the individual State of Charge of the battery cells. Simulation results show that the proposed system, including the cell balancing algorithm, effectively reduces SoC discrepancies, implying better battery health and a more efficient charging process. This project describes a promising approach to cell balancing in power tool battery chargers, with the potential for longer battery life, increased reliability, and a better user experience.

The certificates are attached below.

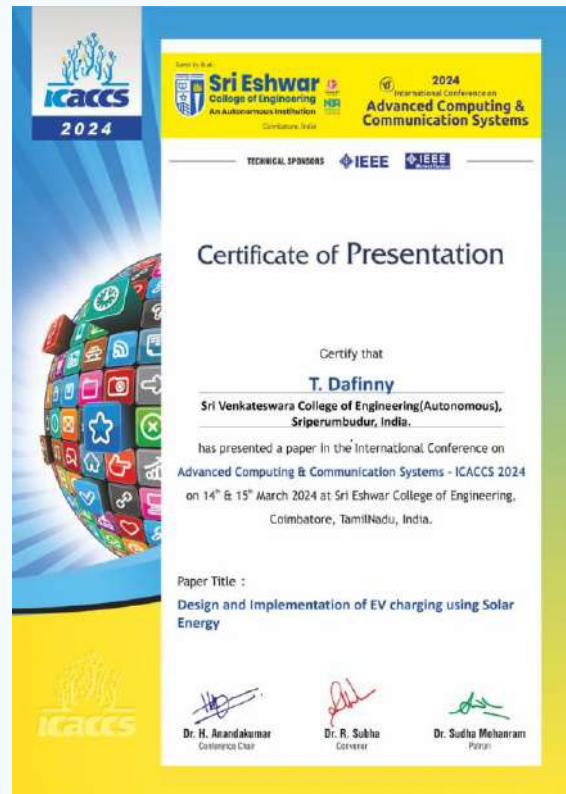
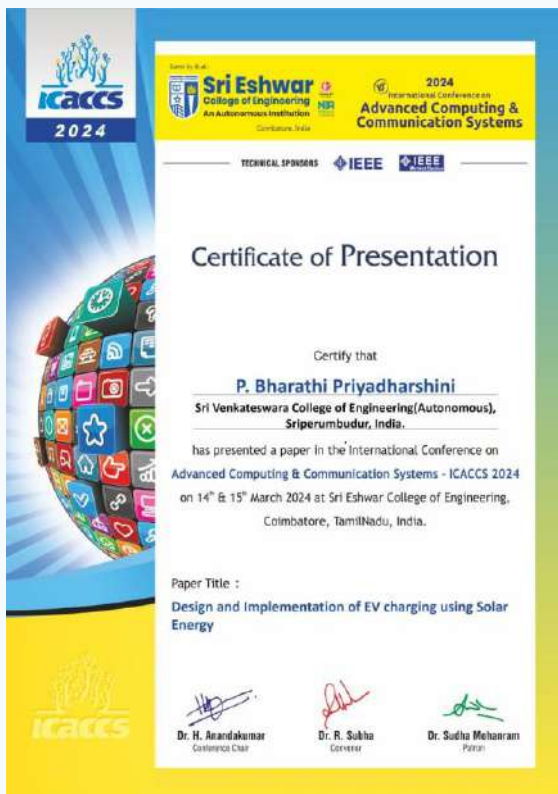
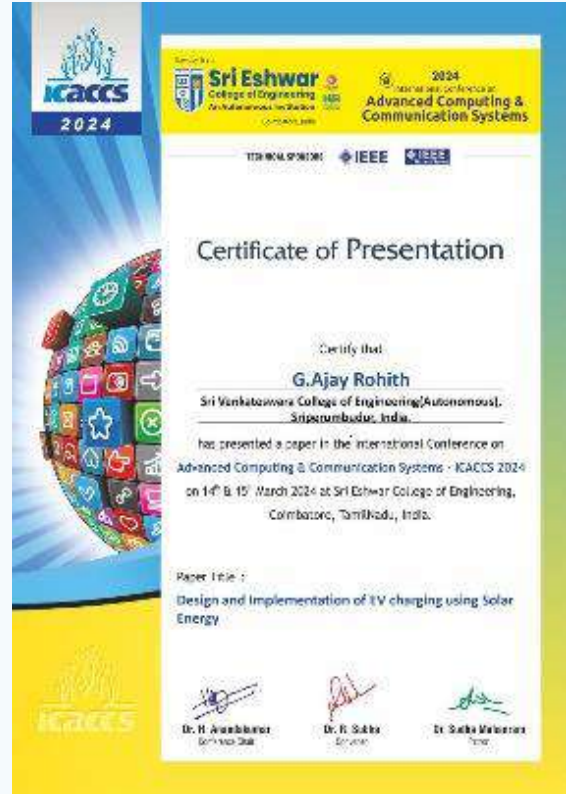
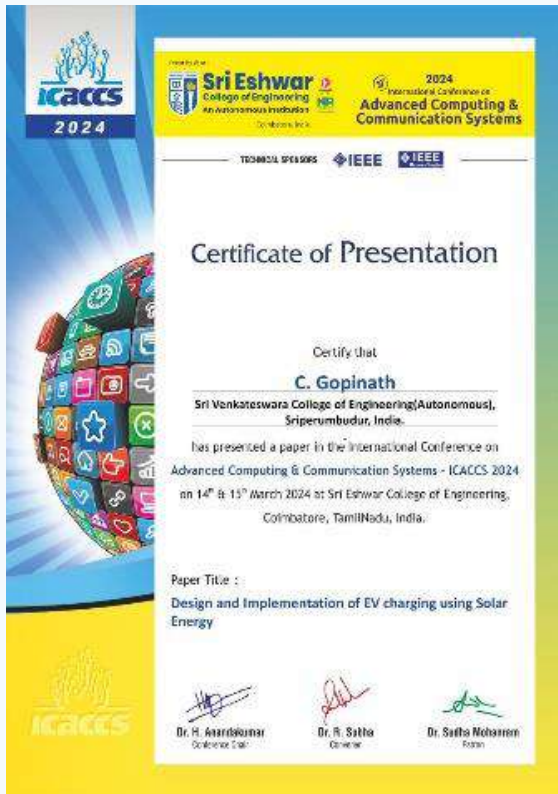
PARTICIPATION IN INTERNATIONAL/ NATIONAL CONFERENCE



Students from final year **Mr.Ajay Rohith G, Ms.Bharathi Priyadharshini P, Ms.Dafinny T** presented a research paper titled "Design and Implementation of EV Charging using Solar Energy" mentored by **Dr.C.Gopinath Professor** in IEEE Sponsored 10th International Conference on Advanced Computing and Communication Systems (ICACCS) on 14th and 15th March 2024 at Sri Eshwar College of Engineering, Coimbatore, Tamilnadu .

The certificates are attached below.


PARTICIPATION IN INTERNATIONAL/ NATIONAL CONFERENCE



STUDENT ACHIEVEMENTS IN

ACADEMIC

Your GATE 2024 Result [IN]

Name	<input type="text" value="NAWRAS AHAMED"/>	 Photograph	
Registration Number	<input type="text" value="IN24S47408028"/>		
Gender	<input type="text" value="Male"/>		
Parent's/Guardian's name	<input type="text" value="A B NAZEEM"/>		
Date of Birth (YYYY-MM-DD)	<input type="text" value="2004-05-15"/>		
Examination Paper	<input type="text" value="Instrumentation Engineering (IN)"/>		
Marks out of 100#	<input type="text" value="37.67"/>	All India Rank in this test paper	<input type="text" value="1014"/>
Qualifying Marks##	<input type="text" value="32.7"/> <input type="text" value="29.4"/> <input type="text" value="21.8"/>	GATE Score	<input type="text" value="413"/>
	General OBC-NCL/EWS SC/ST/PwD		

Mr. Nawras Ahamed N of III Year has secured a GATE score of 413 in the discipline of Instrumentation Engineering with an All India Rank of 1014.

ISTE BEST STUDENT AWARD



DEEPAK H

Mr. Deepak H of IV Year has been selected to receive ISTE Best Student Award on 6th April 2024. Hearty Congradulations from the Department of EEE !

STUDENT ACHIEVEMENTS IN ACADEMIC

SPONSORED INTERNSHIP



AUGUSTIN A



DEEPAK H

Mr.AUGUSTIN A and **Mr.DEEPAK H**, students of final year have successfully completed the internship on "COMPREHENSIVE STUDY ON ELECTRIC VEHICLE SERVICE EQUIPMENT" from Centre of Excellence for Zero Emission Trucking (CoEZET), Department of Engineering Design, Indian Institute of Technology Madras (IITM), Chennai under the guidance of **Dr.S.Kumaravel**,ASP and Mr.Rajesh.S ,CEO,CoEZET, IIT Madras. They received the stipend of Rs.10,000 from IIT Madras.



STUDENT ACHIEVEMENTS IN

TECHNICAL SYMPOSIUM

2nd March 2024



Manochandar C

Manochandar C of III Year has participated in a 27th National Level Symposium – Spangles’24 organized by SRM Easwari Engineering College, Ramapuram on 02-03-2024 and won 1st place in the event “Electrical Connexions” with a cash price of Rs.1000



STUDENT ACHIEVEMENTS IN TECHNICAL SYMPOSIUM

2nd March 2024



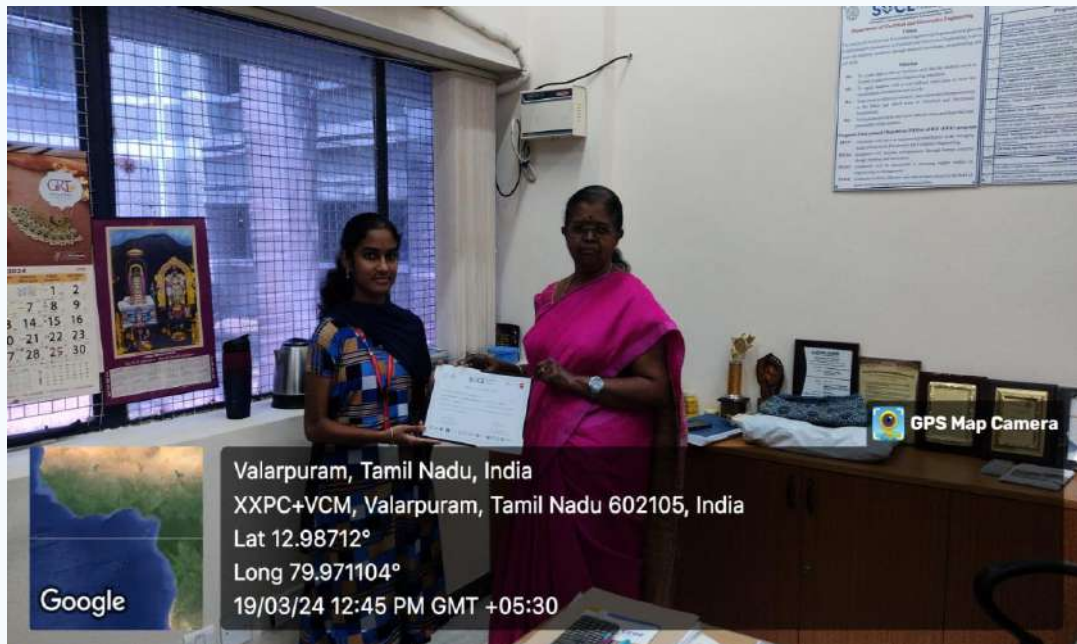
Thamizh Selvan A

Thamizh Selvan A of II year has participated in Symposium- Takshashila 2024 organised by Chennai Institute of Technology, Kundrathur on 02-03-2024 and won 2nd place in the event “Techno-Treasure Hunt”.



STUDENT ACHIEVEMENTS IN TECHNICAL SYMPOSIUM

15th March 2024



Nasreen of II Year has won 2nd place in the event "UKnowHunt" in Technoways, SVCE conducted on 15-03-2024.

STUDENT ACHIEVEMENTS IN

TECHNICAL SYMPOSIUM

16th March 2024



Sabari S of IV Year has won 1st place in "Pixel Palette" ui/ux competition in Technoways, SVCE on 16-03-2024.

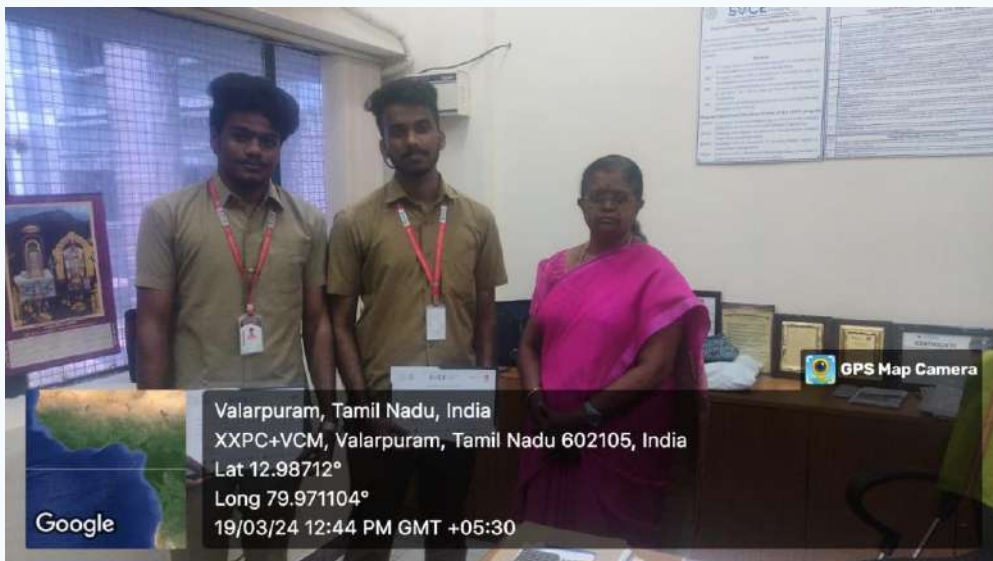
STUDENT ACHIEVEMENTS IN

TECHNICAL SYMPOSIUM

16th March 2024



Monica S and **Neha Vishnu Vijayan** of II Year has won 1st place in the event "Twisted Heist" in Technoways, SVCE conducted on 16-03-2024.



Hritish Calvin L and **Naveen Kumar G** of II Year has won 2nd place in the event "Twisted Heist" in Technoways, SVCE conducted on 16-03-2024.

STUDENT ACHIEVEMENTS IN

TECHNICAL SYMPOSIUM

23rd March 2024



Sabari S and **Keerthana S** of IV Year has won 1st place in Paper Presentation at Prabhignyan, a National Level Technical Symposium organized by Prathyusha College of Engineering paper title "Neuron Based Control Mechanism for Robotic Arm and Leg".

STUDENT ACHIEVEMENTS IN

TECHNICAL SYMPOSIUM

25th March 2024



Sanjay Kumar V and **Shrimathi G** of II Year EEE with their team has participated in Make-A-Thon organized by SVCE and secured **1st place and a cash prize of Rs.10,000**. They created an electronic voting system that integrates secure communication protocols with blockchain technology ensuring transparency, security, and reliability in the voting process while allowing voters to cast their ballots electronically.

STUDENT ACHIEVEMENTS IN SPORTS

4th March 2024



Sudharsan N of IV Year, a player of SVCE Kho-Kho Team showed a stunning performance and clinched the Runners up title in SSE Chakra 2024 Tournament which was organized by Saveetha Institute of Medical and Technical Sciences, Thandalam on 04-03-2024.

STUDENT ACHIEVEMENTS IN

SPORTS

5th March 2024



Pavithra B of II Year has participated in Anna University Zonal Tournaments 2023-24 held at SVCE on 05-03-2024 and secured 3rd place in event "Shotput" under Women Category .

STUDENT PARTICIPATION

2nd March 2024



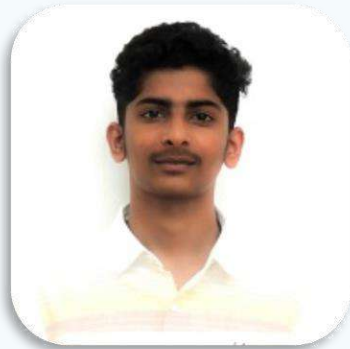
Thamizh Selvan A



Thamizh Selvan A of II year has taken part in Symposium- Takshashila 2024 organised by Chennai Institute of Technology, Kundrathur on 02-03-2024. He has participated in the events “Tech Quest” and “Aeromodeling” . He has also attended a workshop on “IoT & Embedded Systems”. The corresponding certificates are attached above.

STUDENT PARTICIPATION

2nd March 2024



Nithin Y C



Nithin Y C of II year has taken part in Symposium- Takshashila 2024 organised by Chennai Institute of Technology, Kundrathur on 02-03-2024. He has participated in the event “Tech Quest” and attended a workshop on “IoT & Embedded Systems”.The corresponding certificates are attached above.

STUDENT PARTICIPATION

2nd March 2024

IIT Madras Open House Day Visit



Students of EEE visited the IIT Madras Campus for an Open House Day on 02-03-2024. The 'IITM for All' expo included a Robotics lab, Biomedical Engineering labs, High Voltage Labs, Rockets and missile laboratory, etc. They got a gist of the various subsystems of the satellite which includes Payload, Electrical Power System (EPS), Attitude Control System (ACS), On-board Software, Communication System, Mechanical Structure, Thermal Control System and Ground Station.

STUDENT PARTICIPATION

12th March 2024

Mentor Mentee Program On “Innovation & Entrepreneurship”

Koushik Aditya, Mahathi R, DivyaBharathi, Mukund A, Sonaa Meyappan, Varsha s, R Shreya, Shanjay Ram S, Rohith V, Siddarth Naren are the students of I and II year who has taken part in the Mentor Mentee Orientation Program organized on 12-03-2024 by IIC SVCE. The main aim of the program is to guide the Mentee Institution to develop Innovation and promote Entrepreneurs in their Institutions.

Session 1 of the program was handled by Dr .S.Ganesh Vaidhyanathan, Principal of SVCE on the topic ‘Values and Innovation’.

Session 2 was handled by Dr.S.layavel, Manager of EPIC, SVCE.

STUDENT PARTICIPATION

21th March 2024

Higher Studies Talk



AECC - Study Abroad Consultants conducted a program for the **Pre-Final Year Students of EEE** on 21-03-2024 in Video Hall. They provided an awareness regarding Higher Studies on countries like Australia, Canada, USA, UK, Ireland and New Zealand. The session was interactive and students were clarified about the University Selection, Application Processing and Scholarship Options.

STUDENT PARTICIPATION

23rd March 2024

PALS INNOWAH



PALS Innowah was held on IIT on 23-03-2024. The students of II year participated under guidance of Dr.N.Shanmuga Vadivu, Associate Professor. Among many projects, three notable entries captured widespread attention.

Smart Cycle: This project showcased a revolutionary approach to sustainable transportation, integrating solar panel technology and regenerative braking systems to enhance energy efficiency and reduce environmental impact.

Smart Dust Bin: Addressing the pressing issue of waste management, the Smart Dust Bin project introduced an intelligent waste disposal solution equipped with sensors and automation capabilities, optimizing waste collection and promoting cleaner urban environments.

Underwater Rover: Pushing the boundaries of exploration, this project unveiled an advanced robotic vehicle designed for underwater exploration and research, offering potential applications in marine biology, oceanography, and underwater archaeology.

PLACEMENT DETAILS

The following Final year students were placed
in the Campus drive during the month of March 2024



RAGHUL R



SHYAM A



ARUN PRASANTH



NARENDRAN K



SANTHOSH B



SRIRAM KAILASH K

SINEMEC



SAKTHIVEL

PLACEMENT DETAILS



ADARSH



ASHWANTHRAM



BALASURIYA



HARIHARAN



HIRTHIC KUMAR



MOHAMED HARRIS



NAVEEN KUMAAR



SAKTHIVEL



SHRI GANESAN



SIDDHARTH



SOMASUNDARAM

DST FIST SPONSORED INTERDISCIPLINARY NANO RESEARCH CENTRE

2024 SUMMER INTERNSHIP CALL



Sri Venkateswara
College of
Engineering

DST FIST SPONSORED INTERDISCIPLINARY NANO RESEARCH CENTRE

SUMMER INTERNSHIPS 2024 - 2 WEEKS

Semiconductor Technology:

1. IC design and Fabrication
2. Device characterization
3. Modeling and Simulation
4. Industry FAB visits

Eligibility: II -IV Year UG
students -
EEE, ECE, MECHANICAL,
CHEMICAL,
BIOTECHNOLOGY, CSE and
IT, AI&DS

Pathways to a career in Semiconductor technology

Important dates:
Batch 1 - June 17-28, 2024
Batch - July 1-12, 2024

Fees - Rs. 2500 + GST
Limited Seats - 30 per Batch

[Scan to Register](#)



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