



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Declared to be University w/e 1 of Dec. Act, 1996)



THE PULSE

Department of Electrical and Electrical Engineering

2023, Issue 2



A++



Category 1
with 12B Status



(2022)
Ranked 19th University



(2023) World Ranking
one among 41 Indian Universities



(2023) World Ranking
one among 75 Indian Universities



(2021)
Ranked 4th



(2023) World Ranking
one among 14 Indian Universities

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About the department



Dr.K.Vijayakumar

HOD

*Electrical
and
Electronics
Engineering*

The Department has a team of highly qualified faculty, holding Ph.D and post-doctoral credentials. This team is actively involved in research, contributing to scholarly articles in peer-reviewed journals and developing patents that leverage advanced technologies to turn innovative ideas into tangible products. The regularly hosts adjunct and visiting professors, as well as industry specialists from prestigious organizations worldwide, to deliver courses that are closely aligned with industry needs. The B.Tech in Electrical and Electronics Engineering programme at Kattankulathur Campus is accredited by Engineering Accreditation Commission of ABET, and the National Board of Accreditation (NBA).

VISION

To impart quality education in the field of Electrical & Electronics Engineering and to produce globally competent engineers to serve the society.

MISSION

- To educate the student to become better practicing engineers to meet global excellence.
- To provide better environment through latest developments in electrical engineering involving problem solving, design, practice and training.
- To motivate the graduates to become a good leader, designer and researcher through industry-oriented trainings with social and ethical responsibilities.

Editorial Desk



Dr. PRADEEP V
Faculty Mentor



Dr. SURESH P
Faculty Mentor



DINESH KUMAR S
II Year, EEE



GIDEON STEVE B
I Year, EEE



AJAY AKSANTH J
II Year, EEE



NITHISH J
I Year, EEE

Dear Readers,

We are delighted to present the fourth issue of the first volume of THE PULSE, encapsulating the dynamic activities and noteworthy achievements of the students and faculty over the past three months (January 2023 - March 2023).

This magazine serves as a testament to the relentless dedication and excellence displayed by the students and faculty in various domains, including teaching, research, and other pivotal activities. Within these pages, a comprehensive overview of the contributions made by the members of the academic community is portrayed.

THE PULSE spotlights the myriad accomplishments of our department, showcasing achievements such as research article publications, successful grant acquisitions, fellowships, and advancements in patenting and intellectual property rights.

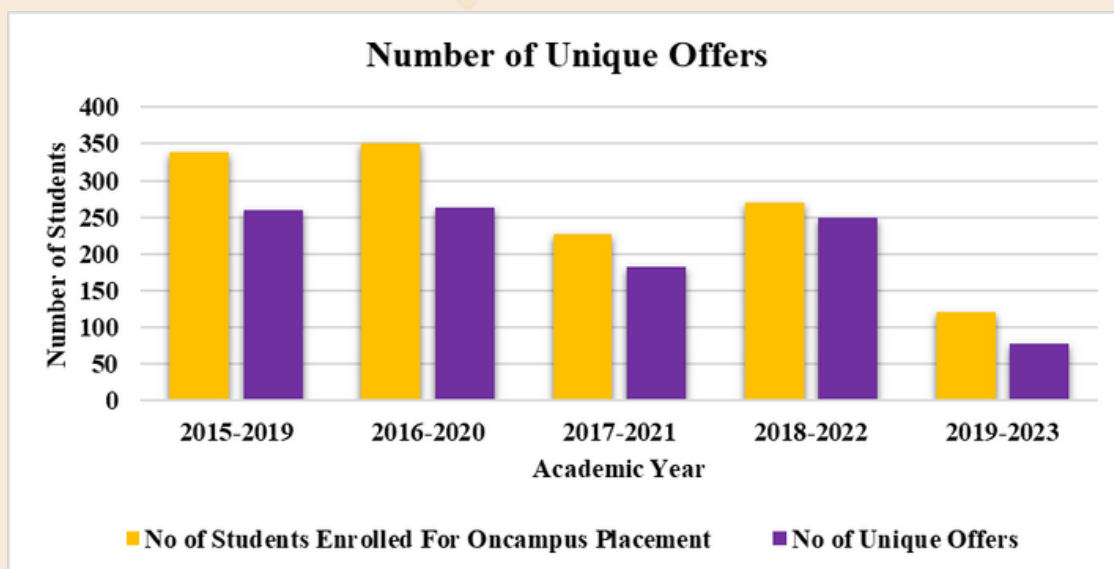
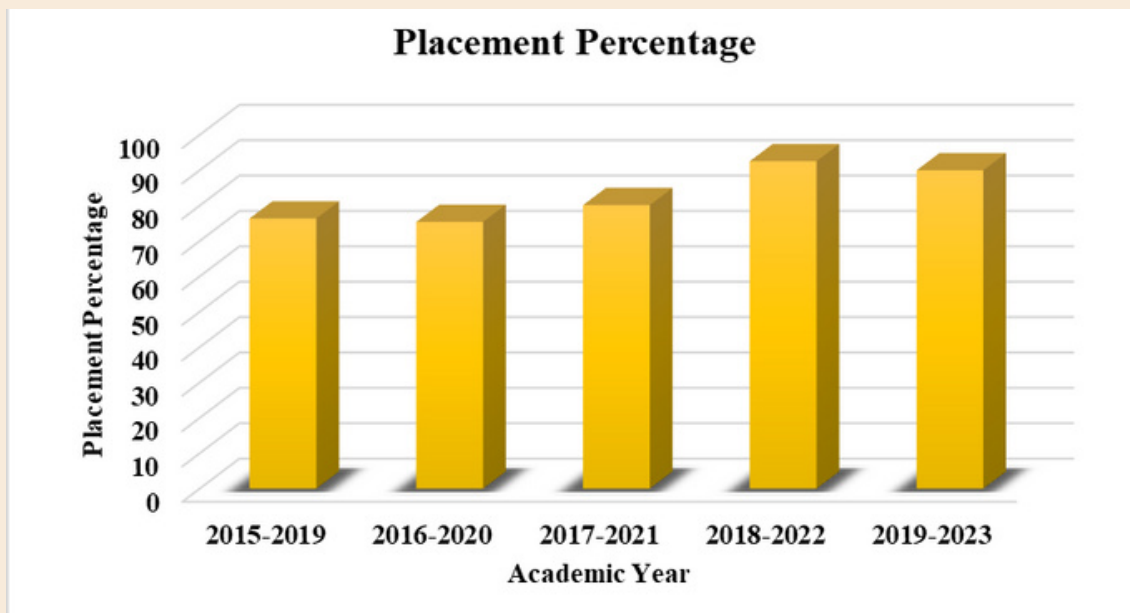
The team extend heartfelt gratitude to the Dean of the School of Electrical Engineering and the Head of the Department, along with the entire staff and student body of Electrical and Electronic Engineering department. The unwavering contributions and support have played a pivotal role in shaping the content and success of the magazine.

Thank you for your continued support, and we hope you enjoy this insightful journey through the vibrant tapestry of achievements within our academic community.

Sincerely,
Team Newsletter.

PLACEMENT RECORDS

(2019 - 2023 batch)



TOP RECRUITERS



BOSCH

Invented for life



cognizant



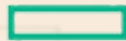
ATHER

Deloitte.



EY

Building a better
working world



Hewlett Packard
Enterprise

HCLTech

Supercharging Progress™



L&T Infotech



L&T Technology Services



latentView

Actionable Insights • Accurate Decision:

Tiger
Analytics

**LIGHT &
WONDER™**



The Math Company



NielsenIQ

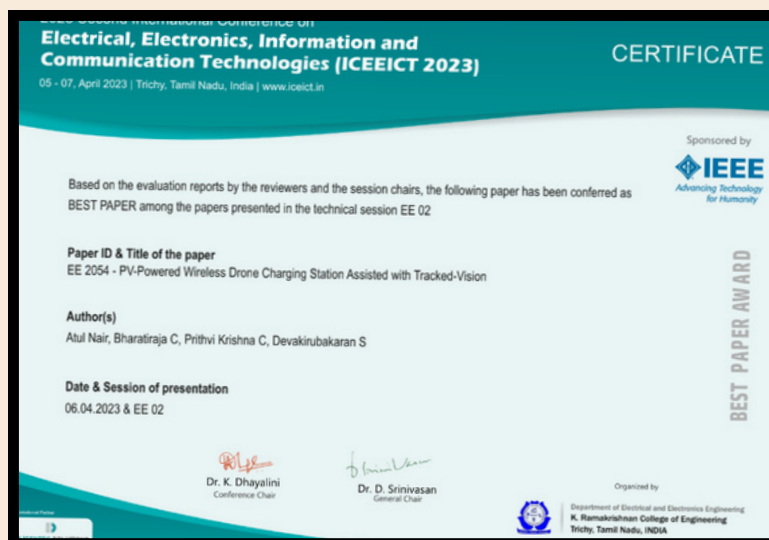
PARTICIPATIONS



Atul Nair, second year students have received the award "Best Research Paper Award" organised by Second International Conference (ICEEICT 2023) on 06-04-2023.

Ajay Aksanth J, second year student has participated in the "Drone building workshop" organised by Airdonex start-up, SRM EEE department from 12-04-2023 to 14-04-2023.

Mohit Verma, second year students have received the award "Runner up in cricket" organised by SRM Hostel.

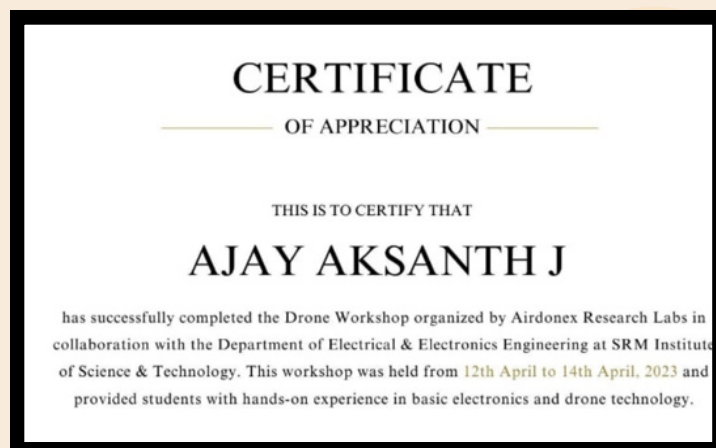


Indraneela Das, second year student has participated in the "Mobilizing Renewable Energy for Battery Swapping, G2V and V2G Charging Stations in India" organised by The Institution Of Engineers from 21-06-2023 to 22-06-2023.

Swastik Panda, third year student has participated in the "Digital Financial Security Quiz" organised by MeitY from 1-05-2023 to 15-06-2023.



Abhishek Gawali, second year student has participated in the "Mobilizing Renewable Energy for Battery Swapping, G2V and V2G Charging Stations in India" organised by The Institution Of Engineers from 21-06-2023 to 22-06-2023.



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ONLINE COURSE

Dr.R.Senthil Kumar completed an online course "Fuzzy sets Logic and Systems and Applications" in NPTEL from 18-1-2023 to 26-04-2023.

Dr.R.Ramya completed an online course "Education for Sustainable Development" in NPTEL from 13-1-2023 to 29-04-2023.

Dr.R.Ramya completed an online course "United Nations Sustainable Development Goals (UN SDGs)" in NPTEL from 18-1-2023 to 29-4-2023.

Dr.S.Padmini completed an online course "FACTS" in NPTEL from 20-02-2023 to 26-04-2023.

Dr.P.U.Poornima completed an online course "Design Of Power Electronic Converters" in NPTEL from 20-02-2023 to 26-04-2023.

Dr.P.U.Poornima completed an online course "FACTS" in NPTEL from 20-02-2023 to 26-04-2023.

Dr.N.Chellammal completed an online course "Introduction to Solar Cells" in Course Era from 17-04-2023 to 19-04-2023.



Dr.S.Lourdu Jame completed an online course "Cloud Computing Basics" in Course Era from 28-04-2023 to 04-05-2023.

Dr.T.M.Thamizh Thentral completed an online course "Learning How to Learn: Powerful mental tools to help you master tough subjects" in Course Era from 20-05-2023 to 20-06-2023.

Dr.A.Geetha completed an online course "Learning How to Learn: Powerful mental tools to help you master tough subjects" in Course Era from 21-05-2023 to 20-06-2023.

Dr.R.C.Ilambirai completed an online course "Positive Self Talk Affirmation and Mindser" in UDEMY from 25-5-2023 to 12-06-2023.

Dr.S.Lourdu Jame completed an online course "Introduction to Solar Cells" in Course Era from 06-06-2023 to 20-06-2023.



PATENT

- **Dr.K.Vijayakumar, Dr.T.M.Thamizh Thentral, Dr.S.Usha and Dr.A.Geetha** published patent title, *"In-Motion Wireless Charging Systems And Methods For Electric Vehicle"*, Indian patent, Application Number: 202341023977A
- **Dr.R.Narayanamoorthi** published patent title, *"A Wireless Power Transfer And Data Communication System For Electric Vehicle Charging"*, Indian patent.

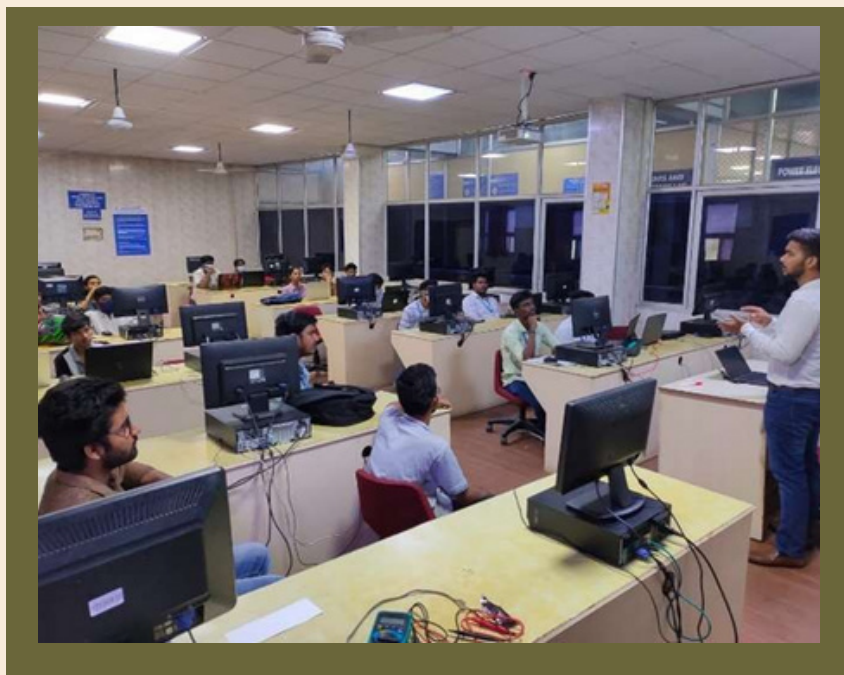
FACULTY FACILITATIONS

Dr.C.Subramani was invited as the Session Chair for the international conference RAEEUCCI-2023-SRMIST on 19-04-2023.

Dr.M.Jagabar Sathik hosted a Special Issue "Modeling, Topologies, and Modulation Techniques of Power Converters (DC/DC and DC/AC) for the Grid-Integration with Renewable Energy Sources" Energies MDPI journal.

Dr.C.Bharatiraja was invited as the resource person for the seminar on the topic of 'The Art of Proposal Writing : Road Map in KSR Institute for Engineering and Technology on 15.5 2023

Dr.R.Palanisamy becomes an Editorial Board member in the Journal of Electrical and Computer Engineering.

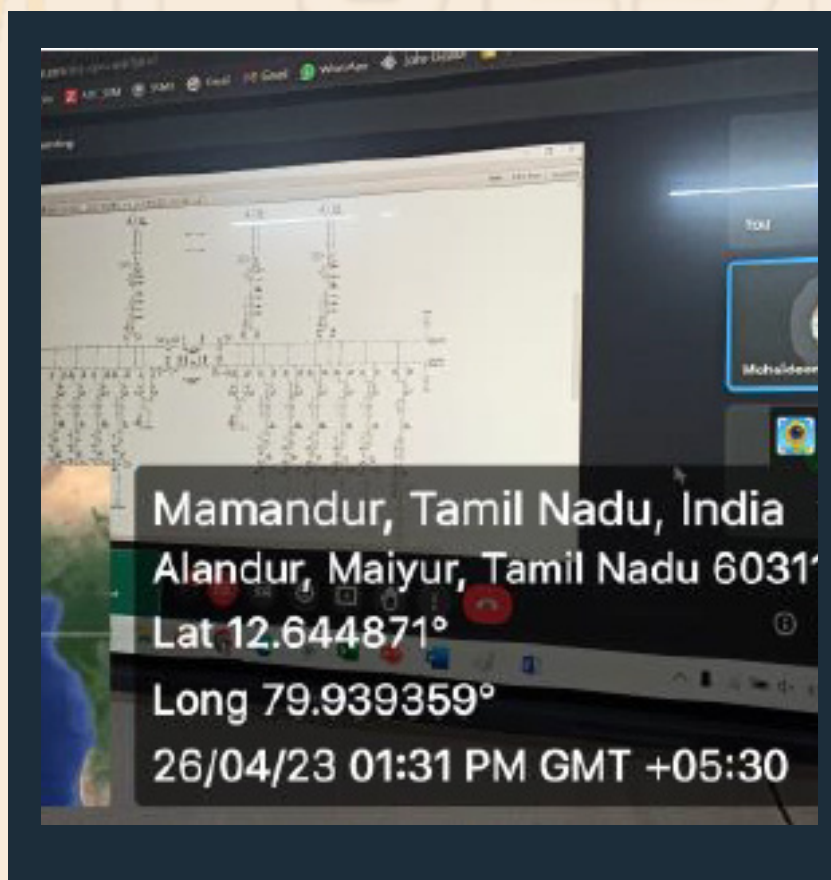


ARDUINO BOOTCAMP REPORT

The SRM MTS Student chapter successfully conducted the ARDUINO BOOTCAMP on April 21, 2022, Thursday at SRM IST KTR Campus from 9 am to 4:30 pm. The workshop was inaugurated by SRM-MTS Branch Councilor Dr. J. Preetha Roselyn at 9 am. The participants were given a breath-taking outline of the workshop by the speakers. The first phase of the workshop went on where the participants were briefed about Arduino and the basics of Arduino projects were presented by the speaker Aryan Anand.

Power System Protection Equipment: Design Aspects, Product Validation and Application in Substation

The event successfully provided students and faculty with insights into the latest technology advancements in circuit breaker operations and testing. Mohaideen Abdul Khadher, with his industry expertise, shared valuable perspectives that align with the academic curriculum. The interactive session and outcome assessment through a questionnaire added practical value to the theoretical knowledge gained in the classroom. The event not only enriched the understanding of power system protection but also contributed to the overall learning experience of the participants.





HEMAVARSHINI
VIDYASAGAR

அறிவோம் தமிழ் (Arivom Tamil)

வானின் றுலகம் வழங்கி வருதலால் தானமிழ்தம்
என்றுணரற் பாற்று

குறள் 11#

Explanation

மழை பெய்ய உலகம் வாழ்ந்து வருவதால், மழையானது
உலகத்து வாழும் உயிர்களுக்கு அமிழ்தம் என்று
உணரத்தக்கதாகும்.

As the world lives on rain, it is felt that rain is the nectar for the
living beings of the world.

चूँकि संसार वर्षा पर निर्भर है, इसलिए यह अनुभव किया जाता है कि संसार के प्राणियों के
लिए वर्षा अमृत है।

ലോകം മഴയെ ആശ്രയിച്ച് ജീവിക്കുന്നതിനാൽ, ലോകത്തിലെ
ജീവജാലങ്ങൾക്ക് മഴ അമൃതാണെന്ന് തോന്നുന്നു.

ప్రపంచం వర్షంపై ఆధారపడి జీవిస్తున్నందున, ప్రపంచంలోని జీవరాశులకు వర్షం
అమృతం అని భావిస్తారు.

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