

Registration Fee

Students	: Rs. 200 /-
Faculty/ Research Scholar	: Rs. 300 /-
Participants from Industries	: Rs. 500 /-

Important Dates

Last date for registration	: 29-07-2022
Date of Intimation	: 31-07-2022

PAYMENTS

Account Holder Name	: A. DOMINIC SAVIO
Account Number	: 617623834
Name of the Bank	: Indian Bank
Branch	: SRM University, Kattankulathur, Chennai
IFSC Code	: IDIB000S181
MICR Code	: 600019171
GPAY (Venkatesan R)	: 9894575119



Registration Link

<https://forms.gle/WQPmZxzgEqW6AMfV6>



CHIEF PATRONS

Dr. T. R. Paarivendhar

Founder Chancellor

Shri. Ravi Pachamoothoo

Pro - Chancellor (Administration)

Dr. P. Sathyanarayanan

Pro - Chancellor (Academics)

Dr. R. Shivakumar

Vice President

ORGANIZING COMMITTEE

Prof. C. Muthamizhchelvan

Vice Chancellor, SRMIST

Prof. S. Ponnusamy

Registrar, SRMIST

Prof. T. V. Gopal

Dean, CET, SRMIST

CONVENERS

Prof. K. Vijayakumar

Professor & HOD Department of Electrical and Electronics Engg., SRMIST

Dr. C. Bharatiraja

Professor, Department of Electrical and Electronics Engg., SRMIST

Coordinators

Dr. C. Balaji

Assistant Professor /EEE, SRMIST

Dr. A. Dominic Savio

Assistant Professor/EEE, SRMIST

Dr. R. Narayanamoorthi

Associate Professor/EEE, SRMIST



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

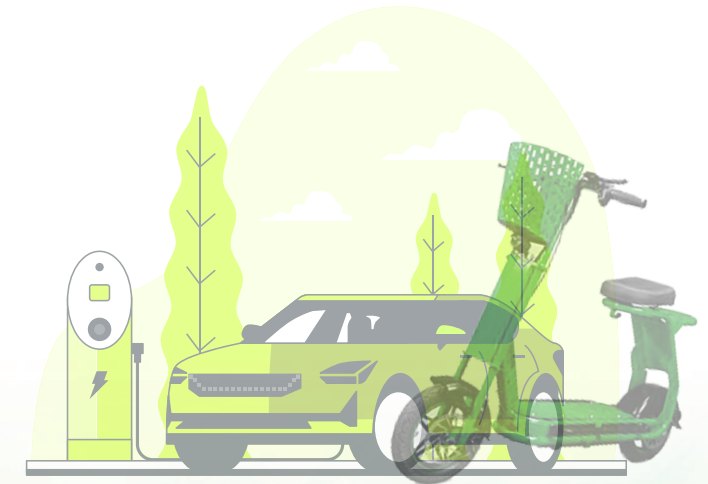


Department of Electrical and Electronics Engineering
SRM Institute of Science and Technology,
SRM Nagar, Kattankulathur-603203

DST - PURSE Sponsored
Two days hands-on Training on

The Development of Electric Vehicles

4th – 5th August, 2022



CONTACT

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ABOUT SRM IST

SRM Institute of Science and Technology is one of the top ranking universities in India with over 50,000 students and 2,800 faculty members, offering a wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine and Health sciences and Science and Humanities. It has established itself as a premier centre for teaching, research and industrial consultancy in the country. It has world class infrastructure including smart classrooms, hi-tech labs, advanced instruments and equipments, research laboratories, modern library and Wi-Fi facility. SRM IST has been categorized as grade A University by Ministry of Human Resources Development (MHRD) Government of India and accredited by NAAC with 'A++' grade in 2018. SRM Institute of Science and Technology (formerly known as SRM University) has been awarded a Four Star rating by Quacquarelli Symonds ('QS'). Recently, SRM IST has been awarded the maximum 5 - Star rating on Teaching, Employability and Inclusiveness. Also it has been recognized as smart and clean campus by AICTE.

ABOUT THE DEPARTMENT

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.

The Department of Electrical and Electronics Engineering came into existence in the year 1992-1993 as a key entity of SRM Engineering College under the affiliation of University of Madras. Since then there has been a consistent development in all spheres including infrastructure facilities, staff development and student development. The programme offered by the department under the University of Madras were brought under the ambit of Anna University from the year 2002. From 2003-2004 the department started functioning under SRM Institute of Science and Technology (Deemed University). The department now offers B.Tech (Electrical and Electronics Engineering), M.Tech - Power Electronic and Drives, M.Tech - Power Systems and Ph.D program under the College of Engineering and Technology, SRMIST. The department has 14 laboratories with modern equipments supported by special purpose software packages like MATLAB, PSPICE, PSIM, PSCAD, ETAP, MAGNET, POWER WORLD SIMULATOR etc.

The B.Tech Electrical and Electronics Engineering programme of Kattankulathur Campus is accredited by the Engineering Accreditation Commission of ABET and National Board of Accreditation (NBA). It has over 70 faculty members whose areas of expertise and research include power electronics and power systems. The faculty members of the department have contributed to academics by publishing books, research articles in high-impact peer-reviewed journals, presenting papers in conferences, delivering guest lectures and invited talks. The department has tie-ups with recognized institutions, industries and R&D laboratories for student projects, training and research activities. The department has been awarded with AICTE-CII award for best industry linked institute under category Electrical Engineering in 2019.

About the programme

In the 21st century, EVs saw a resurgence due to technological developments. A great deal of demand for electric vehicles developed and a group of engineers began sharing technical details for doing electric vehicle conversions.

The government is expected to mandate the sale of only electric three-wheelers from April 2023 all-new two-wheelers with engine capacity up to 150cc driving out of showrooms may have to be powered by electricity from April 2025. Electric vehicles are expected to increase from 2% of the global share in 2016 to 22% in 2030. In India, more than Electric cars, Electric bikes have found a wider hold upon conventional customers. Electric bikes are less expensive, simple in design and easy to use, which offer high compatibility on the Indian roads.

Retrofitting bikes are becoming popular day by day. Traditional bike's drivetrains are retrofitted with DC transmission systems to transform them into electric bikes. The power of the motor can range from 150W to 1000 W. This technical workshop is developed to enhance the knowledge and skillsets in EVs specifically, the E-Bike domain to fulfill the industrial requirements.

The workshop deals with the following:

- Overview of EV Technology and Design requirements
- EV components Selection
- EV Battery technology and Stacking
- Guidelines for EV Retrofitting
- Implementation techniques and skill development for Retrofitting
- Hands-on training on battery stacking and retrofitting
- Retrofitting and fault diagnosis