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Shri. Dr. K. Chandrasekaran Dean (Academics)

Shri. Dr. Elwin Chandra Monie Dean (Research)

Smt. Dr. S. Pavai Madheswari

Academic Coordinator

Convenor

Dr. T. Gnanasekaran Professor & Head / EIE

Coordinator

Dr. N. M. Jothi Swaroopan Professor

Organizing Committee

Dr. S. Vijayalakshmi Professor

Mr. K. Vijay Anand Associate Professor

Mr. G. Marimuthu Assistant Professor

Mr. J. Bharath Singh Assistant Professor

Ms. K. R. Chairmalakshmi Assistant Professor

Ms. M. Kayalvizhi Assistant Professor

Ms. B. Praveena Assistant Professor

Mr. E. Kesavan Assistant Professor

Resource Persons

The Sessions will be handled by experts from academia, Research Organizations and Industry in the Subject Area.

Dr. B. Chandra Sekhar

Technical Head, TCS, Bengaluru.

Er. Debmalya Sen

Senior Consultant, Customized Energy Solutions
Pune, Maharashtra

Dr. B. Chitti Babu

Photovoltaic (PV) Research Lab,
IIITDM, Kancheepuram

Dr. K. Vijayakumar

Faculty School of Computer and Electrical
Engineering, IIITDM Kancheepuram.

Er. S. Selvakumar

Consultant - Power, Solar, Wind, Energy Storage,
Micro Grid, Oil & Gas, Chennai.

Dr. L. C. Lenin

Professor, Head-Electrical Machines and Drives,
Deputy Director Electric Vehicles Incubation and
Testing, VIT Chennai.

Dr. S. Albert Alexander

Department of Electrical & Electronics Engineering
Kongu Engineering College, Perundurai, Erode.

Dr. P. Maruthupandi

Department of Electrical & Electronics Engineering
Government College of Technology, Coimbatore.

Er. R L Geoffer Jaish

Electrification Engineer, AVL, India Pvt. Ltd, Chennai.

Dr. S. Vijay Shankar

Faculty of Electrical and Electronics Engineering
Sona College of Technology, Salem



R.M.K.



ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION

RSM Nagar, Kavaraipeetai, Gummidipoondi Taluk
Thiruvallur District-601 206.

Affiliated to Anna University, Chennai /Approved by AICTE, New Delhi/
Accredited by NAAC with A+ grade /ISO 9001:2015 Certified Institution
All the UG programs are accredited by NBA, New Delhi



SIX DAYS ONLINE SHORT TERM TRAINING PROGRAM

on

**Electric Vehicle
Technologies, Challenges and
Opportunities for Integration of
Renewable Resources in India**

Interested Participants are invited to register for
the upcoming Slot 1

Slot 1: 12/10/2020 to 17/10/2020

Slot 2: 02/11/2020 to 07/11/2020

Slot 3: 07/12/2020 to 12/12/2020

Sponsored by

AICTE, New Delhi under AQIS

Organized by

**Department of
Electronics and Instrumentation
Engineering**

About the Institution

R.M.K. Engineering College started in the year 1995, has been achieving Academic Excellence for the past 25 years. Our Institution has always been in top 10 positions among all the Engineering colleges affiliated to Anna University and also has maintained excellent placement record. In 2008, the College was conferred Bharatiya Vidya Bhavan National Award for its Overall Performance followed by the "Best Principal" Award in the year 2012, by the Indian Society for Technical Education (ISTE) New Delhi. Our College is accredited by NAAC with A+ Grade for 5 years and NAAC has approved our Institution to mentor 10 Institutions for NAAC accreditation. All the 7 UG programmes are accredited by NBA. Our Institution is ranked 155th in the NIRF ranking under the Engineering institutes category in the year 2020 and was ranked 6th across the country in SWACHHTA 2017 ranking by MHRD, Govt. of India. The College has been rated four-star rating under Institution Innovation Council (IIC) MIC, MHRD, Govt. of India. In the AICTE – CII survey our Institution has been awarded, the Best Industry linked Technical institute for Electronics Engineering & Allied (Degree) in the year 2015, Computer and IT Engineering & Allied (Degree) in the year 2018 and Mechanical Engineering & Allied (Degree) in the year 2019

About the Department

The Department of Electronics and Instrumentation Engineering (EIE) was established in the year 1998 with an annual intake of 30 students. Currently, the annual intake of the faculty of Electronics and Instrumentation Engineering is 60 Students. The faculty of EIE consistently produce every good academic results in the Anna University semester examinations since inception. Quite a number of students are placed in core companies such as Johnson Controls India Ltd., Soliton Technologies Pvt. Ltd., Honeywell Automation India Limited, in addition to IT and ITES industries such as Zoho Corporation Pvt Ltd, Cognizant, Mind Tree, Infosys and Wipro, few of them are pursuing their Masters in reputed institutions in India and abroad. A good number of students have also become turned as successful entrepreneurs. The Department has "CoE in Internet of Things (IOT)" in collaboration with Johnson Controls India (JCI) Pvt. Ltd., and "CoE in Factory Automation (FA)" sponsored by Mitsubishi Electric India Private Limited. LABVIEW Academy is established in collaboration with National Instruments (NI) to develop prototypes for Measurement, Automation and Control Engineering problems

Objectives of the Program

The Main Objective of this STTP is,

- Enrich the professionals in Electrical Vehicle's Current Technologies, Challenges and Opportunities.
- Conventional engines in the automobiles are replaced by battery and electrical motors with designed power converters.
- Battery charging stations which have AC or DC inputs from the grid network or directly from the Renewable Energy Sources.
- The government is encouraging research in Electric Vehicles due to the advantages with monetary benefits to the manufacturers and users.
- STTP would provide an excellent opportunity for the participants to interact with one another and discuss problems and solutions to meet the E- Vehicle challenge.

Contents of the Program

STTP will cover

- Power Drives for Electric Vehicles.
- The Future of Electric Mobility in India – Challenges & Opportunities. Electric Vehicles Development
- Case study on Battery, Infrastructure, Regulation and Safety aspects.
- Case study of Electric Vehicle Car Models Development.
- Design of a Hybrid Electric Vehicle
- Energy Management Strategies
Configuration and control of AC/DC Motor drives
- Energy Storage Requirements in Hybrid and Electric Vehicles
- Battery based energy storage and its analysis
- Hybridization of different energy storage devices.

Eligibility for Registration

The faculty members of AICTE approved Institutions, Research Scholars, participants from Government, Industry Persons and staffs of host institutions are eligible to attend the Program.

Registration Details for Slot 1

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on

Electric Vehicle Technologies, Challenges and Opportunities for Integration of Renewable Resources in India

The participants have the option to choose any one of the following slots.

Slot 1: 12/10/2020 to 17/10/2020

Slot 2: 02/11/2020 to 07/11/2020

Slot 3: 07/12/2020 to 12/12/2020

Registration Fee: Nil

Last date of Registration: 07-10-2020

Intimation of Selection by E-Mail: 09-10-2020

Registration Link:

<http://bit.ly/RMKECSTTPSlot1Registration>

Certification of Participation:

E-Certificate of participation will be issued to all active participants

Address for Communication

Dr.N.M.Jothi Swaroopan

Professor

Electronics and Instrumentation Engineering

R.M.K. Engineering College

(An Autonomous Institution)

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