Chief Patrons

Dr. M. Mohan Babu
Chairman, SVET

Sri. Vishnu Manchu
CEO, SVET

Advisors

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Advisor cum Director, SVET

Dr. I. Sudarsan Kumar
Director (Q&D), SVET

Dr. P. C. Krishnamachary
Principal, SVEC

Dr. T. Nageswara Prasad
Vice Principal, SVEC

Head of the Department

Dr. M. S. Sujatha
Professor, EEE

Coordinator

Dr. V. Arun
Associate Professor
Department of EEE

Co-coordinators

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Assistant Professor
Department of EEE

Dr. N M G Kumar
Professor
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Organizing Committee
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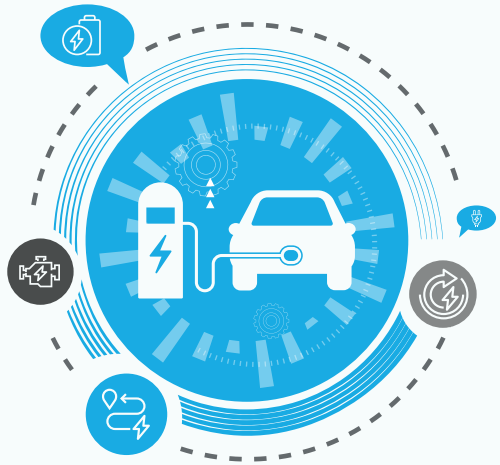
SREE VIDYANIKETHAN
Engineering College
(Autonomous)



AICTE-ISTE SPONSORED ONLINE

Induction/refresher Programme on

ELECTRIC HYBRID VEHICLE



Phase - I : **08th – 13th February, 2021**
Phase - II : **01st – 06th March, 2021**
Phase - III : **19th – 24th April, 2021**

Organized by
Department of Electrical and Electronics Engineering

SREE VIDYANIKETHAN ENGINEERING COLLEGE (Autonomous)
(Accredited by NBA and NAAC 'A' Grade, Affiliated to JNTUA, Ananthapuramu)
Sree Sainath Nagar, Tirupati - 517 102 (A.P) Ph: +(91) 877-2236711-14
Fax: 0877-2236717 | www.svec.education

College profile:

Sree Vidyanikethan Engineering College (Autonomous) was established in 1996 by Sree Vidyanikethan Educational Trust under the stewardship of Dr. M. Mohan Babu, renowned Film Artiste and Former Member of Parliament (Rajya Sabha). The College was established in the backward region of Rayalaseema to serve the cause of technical education with an initial intake of 180. The intake has been increased exponentially to 2112 in 2019-20.

The College now offers 11 B.Tech programs; 4 M.Tech programs; MCA Program; and 3 Doctoral Programs. AICTE has also accorded permission for 2nd Shift Polytechnic from the academic year 2009-10 and presently 5 Diploma courses are being offered.

Today, Sree Vidyanikethan Engineering College is one of the largest, most admired and sought after institutions in Andhra Pradesh. The College is approved by AICTE and affiliated to JNTUA, Ananthapuramu. The College has been accorded Autonomous Status by the UGC, New Delhi in 2010-11 which was extended for six years (from 2016-17 to 2021-22).

The College is known for its quality initiatives which are amply reflected in accreditations by National Board of Accreditation (NBA) for UG & PG programs, National Assessment and Accreditation Council (NAAC) with 'A' Grade as one of the best performing institutions in India. The College has successfully implemented TEQIP-II under Sub-component 1.1: Strengthening Institutions to improve Learning Outcomes and Employability of Graduates, funded by the Ministry of HRD, Govt. of India. The College has been accorded "UGC-Colleges with Potential for Excellence" status under CPE Scheme by UGC, New Delhi.

It also has been accorded 'PLATINUM' category by CII-AICTE Survey; and was conferred with 'A' Grade by Department of Higher Education, Andhra Pradesh. The college participated in National Institution Ranking Frame Work (NIRF), 2020 and awarded the rank of 184. SIEMENS and APSSDC has established 6 State-of-the art laboratories.

Route:

15 km from the temple town of Tirupati on Tirupati - Madanapalle National Highway No.205.

Courses offered:

The college offers B. Tech Programs in CSE, CSE (DS), CSE (AI), IT, ECE, EEE, EIE, CSBS, CSSE, Civil, MECH. The college also offers M. Tech. in VLSI, CS, EPS, PED & MCA along with PhD programs in ECE, EEE & CS.

About Department of EEE:

Electrical & Electronics Engineering department was established in the year 1996 offering B.Tech. program in Electrical and Electronics Engineering (EEE) with an intake of 60 in B.Tech, followed by an increase to 120 in the year 2007, 180 and 240 in the years 2012 and 2014 respectively. The department also offers M.Tech. Programs with specialization in Electrical Power Systems (EPS) and Power Electronics and Drives (PED) with an intake of 36 and 18 respectively. The B.Tech. (EEE) and M.Tech. (EPS) programs were accredited by NBA. In addition, the department has a Research center recognized by the affiliating university where research scholars work Full-Time and Part-Time. The department has strong pool of faculty with 15 PhDs. The department houses well equipped laboratories, while the short-term training programs, seminars, workshops, guest lectures by experts and student fests create better learning scope for students. The department's student body Electrical Technical Association (ETA) conducts career development programs, Seminars, Quiz, Industrial Visits, Paper Contests, Group Discussions, Guest Lectures, Career Guidance sessions and games to enhance interpersonal and intrapersonal skills of students.

About FDP:

Electric hybrid vehicles play a very prominent role in future days to reduce the greenhouse gases. The vehicle is lighter and roomier than pure electrical vehicle because it will carry fewer batteries than the pure electrical vehicles. They are more reliable, economical, and safe in operations. Electric hybrid vehicle design needs the knowledge in electrical, electronics, mechanical, instrumentation and computer engineering for the purpose of designing, quantitatively evaluating, predicting, measuring and improving vehicle technology. Hence the Programme is considered as interdisciplinary.

Objective of the programme:

- ✓ To give an overview on electric and hybrid electric vehicle technology.
- ✓ To provide knowledge on electric drives and energy sources management.
- ✓ To impart exposure to the research activities in the control techniques to the hybrid vehicles
- ✓ To analyze the operation of hybrid vehicles, its classifications and its applications in recent days
- ✓ To develop the Modelling, simulations and control for electric, hybrid electric and plug in hybrid vehicles.

Outcomes of FDP:

- Acquire knowledge in hybrid electric vehicle technology.
- Motivates the faculty members to enhance research work in this area.
- Idealize different solutions to solve the same problem and evaluate (justifying) which one is the best with respect to its design quality.
- The programme also promotes a basic understanding of alternative fuel and HEV vehicle technology.

Resource Persons:

- Resource persons are invited from the reputed industry and institutions.

Eligibility:

- Faculty members of the AICTE approved institutions, Research Scholars, and Industry professional.

General Information:

- No registration Fee.
- Registration must be through **URL:https://forms.gle/fLwe9ReQ48VcETLE8**

Important Dates:

Registration closes by : **February 2nd, 2021**
Confirmation participants : **February 3rd, 2021**

