

Special points of interest:

- Eminent personalities from various Industries and R&D Institutions and Faculty experts from reputed organizations shared their expertise through guest and expert lectures and ignited the young minds

Volume I

IMPRESSIONS**2021****JULY– SEPT**

About The Dept. of EEE

Electrical & Electronics Engineering arena stands tall at the front facet of the newest technology. Moving beyond wires and circuits, the discipline now is taking giant strides as it percolated into cutting-edge technologies. The Department adopted the following approaches for enhancing learning experiences among the students, Self-Learning, Participative Learning, and Problem Solving Methodologies.

The Department is recognized as Research centre by the affiliating university. The average age and experience of the faculty of EEE department is quite significant. The faculty retention ratio of the department is also quite significant. The Department of Electrical & Electronics Engineering was established in the year 1996 offering B.Tech. Program in Electrical and Electronics Engi-

neering (EEE) with an intake of 60, followed by an increase to 120 in the year 2007, 180 and 240 in the years 2012 and 2014 respectively, besides admission under lateral entry scheme.

The B.Tech. (EEE) program is currently being offered with an intake of 210 from the AY 2020-2021. The B.Tech. Program was re-accredited (third cycle of accreditation) by NBA for three years (03.03.2020 to 30.06.2023).

The department also offers M.Tech. Programs with specialization in Electrical Power Systems (EPS), Power Electronics and Drives (PED) with an intake of 18 each. The M.Tech. Program in Electrical Power Systems was also accredited by NBA.

VISION

To become the nation's premiere centre of excellence in electrical engineering through

teaching, training, research and innovation to create competent engineering professionals with values and ethics.

MISSION

Imparting knowledge through implementing modern curriculum, academic flexibility and learner centric teaching methods in Electrical Engineering.

Inspiring students for aptitude to research and innovation by exposing them to industry and societal needs to create solutions for contemporary problems.

Honing technical and soft skills for enhanced learning outcomes and employability of students with diverse background through comprehensive training methodologies.

Inculcate values and ethics among students for a holistic engineering professional practice.

EDITOR(S):

Dr. K. Leleedhar Rao
Associate Professor

Dr. I. Kumara Swamy
Associate Professor

Student Members:

Representatives from M.Tech; IV, III & II B.Tech EEE

**Inside this issue:**

Guest and Expert Lectures	2
FDPs	2
Events Organized	3
Achievements	3
Research	4
Students Corner	4

Guest and Expert Lectures

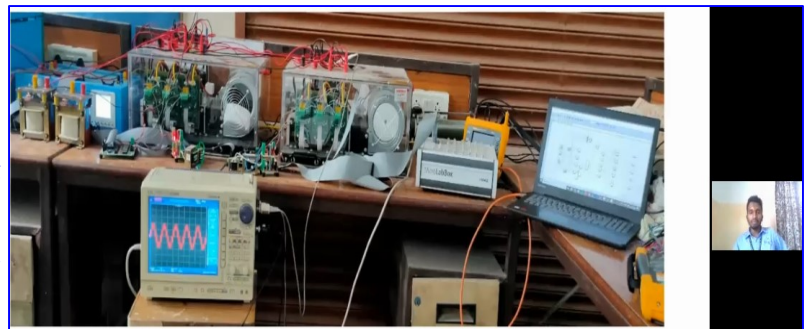
Katta Venkat, TEMSRAX India Pvt Ltd, Hyderabad delivered an expert lecture on “Innovation and Entrepreneurship” on 28.08.2021.

Mr. Rafe TK, Deputy General Manager, Bluebinaries delivered an expert lecture on Entrepreneurship opportunities in EV industry on 09.09.2021.

A One Week Online ATAL FDP on "Futuristic Electric Transportation System" was organized from 20.09.2021 to 24.09.2021. The following are the resource persons: Dr. M Prabhakar Professor, VIT University; Dr. NMG Kumar Professor, SVEC; Dr. J. Rahul, Assistant Professor, NIT

-AP; Dr. B. Hemanth Kumar, Assistant Professor, SVEC; Dr. Carunai selvane. C, Assistant Professor, SRMIST; Mr. V. Pradeep; Robert Bosch Engineering & Business Solutions PVT LTD; Dr. K. Janardhan, Assistant Professor, SVEC; Dr. Shashidhar SM. Principal, Proudhavevaraya Institute of Technology, Hosapete, karana-

taka; Mr. A. Manikandan; Team Lead, E-Propelled Pvt Ltd, Chennai, Dr. Sashidhar Sampathirao, Assistant Professor, IIT Goa; Dr. K Narasimha raju, Professor, Dept. of EEE, KL University; Dr. A. Manimuthu M.E Ph.D, Research Fellow, Cybersecurity Research Center (CYSREN), Nanyang Technological University, Singapore.



Resource Person demonstrating the experimental setup in ATAL FDP

"Engineering is not just a profession; it's a mindset that embraces continuous learning and constant improvement."

Faculty Development Programs (FDPs)

In the month of July 2021, total 21 members of Faculty attended 21 number of faculty development programs organized by various prestigious institutions viz.. MHRD, Innovation cell and MoE, Govt. of India; Dr. Mahalingam College of Engineering and Technology, Pollachi; IIRS-ISRO, Dehradun; VJIT, Kerala; Annamalai University ; University College of Engineering – BIT Campus, Tiruchirapalli; GMR Institute of Technology, A.P; State University of Newyork; SRM University; VIT Vellore; HOMER Energy by UL, USA and SVEC, Tirupati.

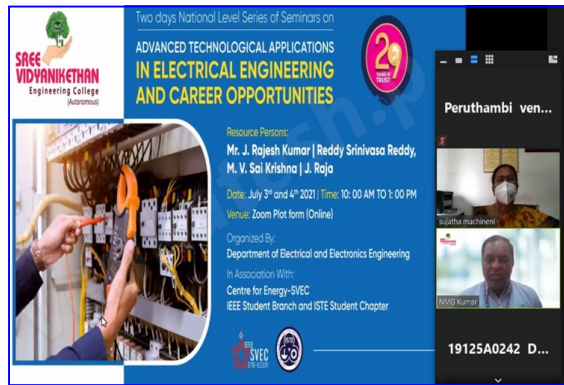
In the month of August 2021, total 14 members of Faculty attended 12 number of faculty development programs organized by various prestigious institutions viz.. NIT Warangal;

Gayatri Vidya Parishad College of Engineering, A.P; MHRD Innovation cell, GoI; IUCEE; GIST, Nellore; KSRM College of Engineering, Kadapa; SRM Institute of Science & Technology, Kattankulathur; IEEE Hyderabad section; Chhatrapati Shivaji Institute of Technology, Durg, Chhattisgarh and SVEC, Tirupati.

In the month of September, 2021, total 18 members of Faculty attended 06 number of faculty development programs organized by various prestigious institutions viz.. Mathworks; Thapar Institute of Engineering and Technology, Patiala; ATAL FDP, SVEC, Tirupati; IARE, Hyderabad.

Events Organized

A two Days National Level Series of Seminars on “Advanced Technological Applications in Electrical Engineering and career opportunities” was organized in association with centre for energy, SVEC, and IEEE and ISTE student branches was organized from 03.07.2021 to 04.07.2021.



One Day National Webinar on “Women Safety and Awareness on DISHA APP” by Smt. E. Supraja, Additional Superintendent of Police, Tirupati, Chittoor District was organized under IEEE WIE, Women empowerment cell on 12.07.2021.

A One Day International Webinar On “Monitoring Systems on

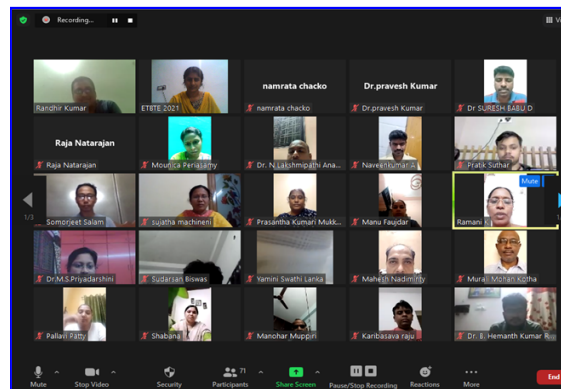
Photovoltaic Plants” by Dr. Siva Rama-krishna Madeti, Associate Professor, University of Santiago, Chile was organized on 24.07.2021.

A Faculty Development Program on “Emerging Trends of Block

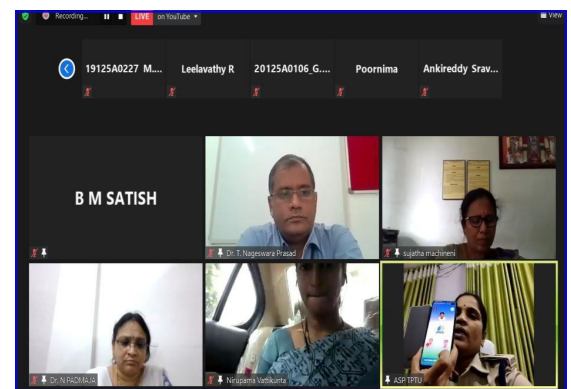
chain Technology in Engineering” by Mr. Randhir Kumar, Assistant Professor, Bennett University, Delhi and Dr. Narendra Kumar, Associate Professor, Ajay Kumar Garg Engineering College, Ghaziabad was organized from 02.08.2021 to 06.08.2021.

A 3 days online meditative program on “Peace-Building” by Sri. Krishna Ji & Sri. Preetha Ji, Co-creators of EKAM; Satya S Tirupathi, Secretary-General of the Global Alliance; Golriz Ghahraman Member of the New Zealand Parliament and Dr. Joe Dispenza, Neuroscientist was organized on 17.09.2021 to 19.09.2021.

“Be the engineer who sees possibilities in every problem, and turns obstacles into stepping stones.”



Emerging Trends of Blockchain Technology in Engg



ASP TPTU demonstrating how to use DISHA APP

Achievements

Mr U. Kamal Kumar, Assistant Professor (Supervisor), A.R. Hithesh (18121A0202), A. Sreenivasula (18121A0201), Reddy U. Charmila (18121A0255), K. Sravani (18121A0227) and T. Reddy mounika (18121A0252) won First Prize in “ Electric Mantra An E-Project Expo-2021” .

Mr. K. Leleedhar Rao, Asst. Professor was awarded “Doctoral Degree” from OPJS University on 03.09.2021.

M. Guru Maheswara Reddy (19121A02A5) has successfully completed the training program on Certified Ethi-

cal Hacker Training from Sim-plelearn on 08.09.2021.

Research

In its stride of enhancing its potential in the spectrum of academics, research is being promoted and carried out within the department.

Widespread of research is being carried in the areas of Power Quality Improvement, High Voltage Engineering, Control Systems, Renewable Energy & Grid Integration, Energy Storage, FACTS, Embedded Systems, IoTs, Online Condition Monitoring of Electrical Apparatus, Special Purpose Machineries, etc.

Total 02 research papers were published in the reputed journals including SCI, SCOPUS and WOS. Total 01 research findings were presented in various reputed national and international conferences.

A Patent entitled "A Transportable Solar Based Sugarcane juice Preheating System for Jaggery Making (202141031783)" by Mr K. Leleedhar Rao and Dr T. Devaraju, Professor was published on 13.08.2021.

A Patent entitled "A Diffused solar reflector for use with solar tunnel dryer (202141036651)" by Mr K. Leleedhar Rao and Dr T. Devaraju, Professor was published on 03.09.2021.

"In the world of engineering, curiosity fuels progress, and determination paves the path to success."

Be Safe!!

COVID-19

SYMPTOMS AND PREVENTIONS



PREVENTIONS



WASH HANDS



STAY HOME



AVOID TOUCHING YOUR EYES, NOSE, AND MOUTH.



CLEAN AND DISINFECT OBJECTS AND SURFACES

**Sree Vidyanikethan
Engineering College
(Autonomous)**

Sree Sainath Nagar
Tirupati-517102

Website:
www.svec.vidyanikethan.edu
E-mail: hod_eee@vidyanikethan.edu



KNOWLEDGE CENTRE OF SVEC

The Visionary..



Dr. M. Mohan Babu

Sree Vidyanikethan Educational Trust (SVET) was established in 1992, it has surpassed many a milestone. As an individual, I have the best memories and biggest learning experiences in life. I believe every individual deserves best knowledge to lead a

better life and knowledge comes with learning – one that is based on doing things right and not merely knowing about how to do them. Learning solutions should be relative to real life, thereby motivating the learner towards gaining and applying the imbibed knowledge, disconnecting the superficial parts and connecting sensible aspects.

At SVEC and transformed MBU, our purpose is to transform young aspirers

into exceptional professionals, our mission is to enhance the aptitudes of those who walk in to acquire knowledge and our dream is to give every young child access to best education and progression in life. Today, I am so glad and happy to see SVEC positioned as one of the best colleges for engineering in India.

My best wishes to all !!

... Dr. M. Mohan Babu