

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 2

IMPRESSIONS

2021

OCT- DEC

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

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Guest and Expert Lectures

Mr. Irudaya Swamy Lawrence, Instrumentation and control engineer, Volt Automation W.L.L, Qatar delivered an expert lecture on “Industrial Automation with PLC & SCADA” on 26.12.2021.

Five-Day Online FDP on Mathematical Modelling And Controller Design For Non-Linear Process was organized for the members of Faculty and Research Scholars from various institutions from 11.10.2021 to 15.10.2021. The following members are the honorary resource persons: Dan Svensen

Sales, Marketing & SD Manager, National Petroleum Services Company (K.S.C.P) Kuwait; Mr. Thillai Nayagam, Senior Field Application Engineer, Brain Child Electronics

Company; Dr. Taraknath, Indian Institute of Technology, Goa; Dr. Chinmay Rajhans, Veermata Jijabai Technological Institute, Mumbai; Dr. K. Srinivasan, National Institute of Technology, Tiruchirappalli; Ashoka Reddy Komalla,

Kakatiya Institute of Technology & Science, Warangal, Telangana; Dr Ramakalyan Ayyagari; NIT Tiruchirappalli; Dr. P S Saikrishna, Indian Institute of Technology (Tirupati); and Dr. Abhinoy Kumar Singh, Indian Institute of Technology, Indore.



Faculty Interaction with the officials of NREDCAP

"An engineer's ingenuity knows no bounds – it's the spark that ignites innovation and transforms the world."

Faculty Development Programs (FDPs)

In the month of October 2021, total 21 members of Faculty attended 05 number of faculty development programs organized by various prestigious institutions viz.. Vemu institute of technology, P. Kothakota; APSSDC; SRM TRP Engineering and SVEC, Tirupati in Association with Enthu Technology

Solutions India Pvt. Ltd., Coimbatore.

In the month of November 2021, total 04 members of Faculty attended 05 number of faculty development programs organized by various prestigious institutions viz.. National Fire Service College, Ministry of Home Affairs, Govt. of India;

Uday Prasad Uday Government Polytechnic; AICTE and SVEC.

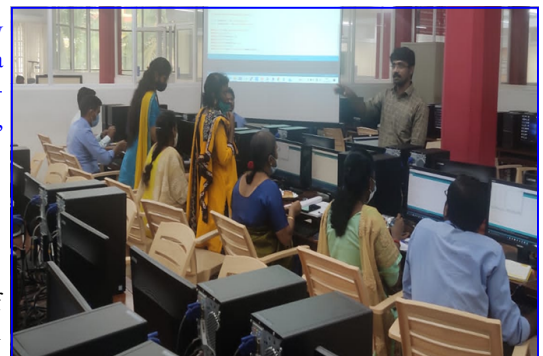
In the month of December 2021, total 15 members of Faculty attended 03 number of faculty development programs organized by various prestigious institutions viz.. AMET deemed to be university; SRM TRPEC and RGNIIPM –SVEC, Tirupati

Events Organized

One-week Hands-on workshop on “IOT Application Design Using Arduino Uno, Node MCU & Raspberry Pi” was organized for the students and members of faculty from 07.10.2021 to 12.10.2021. The following members are the honorary resource persons: Mr. Abin Sathesan, Engineer & Mr. R. Praveen Kumar, Engineer,

Enthu Technology Solutions India Pvt. Ltd., Coimbatore, Tamil Nadu, India.

Demonstration of arduino board



Events Organized...

An Industrial visit to 33/11 kV Substation, A. Rangampet was organized for the students of IV B.Tech EEE, A, B and C sections on 23.11.2021, 24.11.2021 and 25.11.2021 respectively.

A Three-day National Level Workshop on “IPR- Patents & Designs filing Process” was organized from 07.12.2021 to 09.12.2021. The following members are the honorary resource persons: Mr Pankaj P Borkar, Dy. Controller of patents and design, RGNIIPM, Nagpur and Dr K. K Basheer Assoc. Prof. Dept of IT, SVEC, Tirupati.

Dr. K. K. Basheer, Addressing the participants of Three-day National Level Workshop on “IPR- Patents



Industrial visit to 33/11 kV Substation, A. Rangampet



*"Stay curious,
stay dedicated,
and stay
committed – for
the future belongs
to the visionary
engineers."*



An Industrial Visit to Electrical Panel Room

Achievements

Dr. M. S. Sujatha, Professor & HOD; Dr. E. Parimalasundar, Associate Professor; Dr. G. Harikrishnan, Associate Professor; Dr. I. Kumara Swamy, Associate Professor; Dr. D. Suresh Babu, Associate Professor; Dr. K. Leleedhar Rao, Assistant Professor and Mr. U. Kamal Kumar, Assistant Professor re-

ceived “Research Appreciation Award” .

Dr. T. Nageswara Prasad, Professor, Dept. of EEE was appointed as Member of PG Board of studies, JNTU Anantapuramu on 08.10.2021.

Dr. S. Farook, Associate Professor was appointed as Chairman—BoS, Dept. of EEE, SVEC on 10.10.2021.

Dr. T. Devaraj, Professor was appointed as Subject Expert for Ph.D class work by JNTU Anantapuramu.

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 ___ research papers were published in the reputed journals including SCI, SCOPUS and WOS. Total ___ book chapters were published by reputed publishers like Springer.

Total ___ research findings were

presented in various reputed international conferences.

Total ___ Research Projects worth Rs. ___ Lakhs was submitted to ___ to grab financial assistance.

Total ___ Research Projects worth Rs. ___ Lakhs were sanctioned.

Dr. S. Prabhu & Dr. B. Hemanth Kumar received an Internal Funding of Rs. 1.6 Lakhs from SVET, Tirupati to execute a research project titled "Design, Analysis, Implementation and Testing of Novel High Power Density Switched Reluctance Hub Motor for Electric Vehicles.

"Every engineering marvel begins with a single idea and the courage to pursue it relentlessly."

Students Corner

ETA

Under the department's student body Electrical Technical Association (ETA), various events viz., Puzzles, Coder challenges, General quiz, Pencil sketch, Seminar, Paper presentation, Rangoli, Debate, Group discus-

sion, Singing, Creative writing, Technical quiz, Poster making, Logo quiz were conducted to enhance the interpersonal and intrapersonal skills of students.

Total 10 no. of events were conducted under ETA and total 918 no. of students got participated.



Alumni Interaction



Debate



Seniors



Kaun He Kalar Event



Rangoli

"Engineering is the art of precision, the science of creativity, and the soul of progress."



Alumni Interaction –Regarding Higher Studies



Career Planning Tips

Sree Vidyanikethan
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(Autonomous)

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Post Covid Inauguration of ETA:

ETA Coordinator with Past and Preceding HoD's of EEE, Dr. T. Devaraju and Dr. T. Nageswara Prasad

EDITOR(S):

Dr. K. Leleedhar Rao, Associate Professor

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