

Special points of interest:

- Dream -Believe-Achieve: Through MBU
- Cycling of Induced Magnets— A new discovery
- 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 3

IMPRESSIONS

2022

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.

Dream-Believe-Achieve: Through MBU



DREAM. BELIEVE. ACHIEVE

**Inside this issue:**

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

Guest and Expert Lectures

Dr. A. Ramanjaneya Reddy, NREDCAP, S. V. University - Tirupati delivered a guest lecture on "Prospects & Challenges in Renewable Energy" for the students and members of faculty on 20.08.2022.

Mr. Pranay, System Engineer in IBM, Bangalore delivered a guest lecture on "How to succeed in the MNC companies interviews?"

For the students on 15.09.2022.

Mr. Guravaiah Yalanati, Manager, Product Development, Powertrain Electrical & Electronics, PSA Avtec Powertrain Pvt Ltd., Stellantis, Hosur,

delivered an expert lecture on "Electrical and Electronics systems in Vehicular Technology" on 17.09.2022.



delivered an expert lecture on "Electrical and Electronics systems in Vehicular Technology" on 17.09.2022.

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



Prospects & Challenges in Renewable Energy by Dr. A. Ramanjaneya Reddy, NREDCAP

Faculty Development Programs (FDPs)

In the month of July 2022, total 12 members of Faculty attended 08 number of faculty development programs organized by prestigious institutions viz..NIT Goa, Rajalakshmi Engineering College, Chennai, aMinistry of Education Innovation cell & AICTE, ICFAI Business School and SVEC.

In the month of August 2022, total 13 members of Faculty attended 06 number of faculty development programs organized by prestigious institutions viz.. AICTE IDEA LAB SVEC in collaboration with APPLY Volt, Vijayawada; Sri Balaji College of Engineering and Technology, Jaipur; APSECM & ASCI; NIT Warangal;

SRM TRP Engineering college, Trichy and SVEC.

In the month of September 2022, total 01 members of Faculty attended 01 number of faculty development programs organized by prestigious institutions viz.. GSSSIETW, Mysuru

Events Organized

A Skill Development Program on "Performance Evaluation & Installation of Solar PV Systems" was organized from 01.07.2022 to 04.07.2022.

An Industrial visit to "Sri Damodaram Sanjeevaiah Thermal Power Station (SDTPS), Krishnapatnam, Nellore" was organized for the students of IV B.Tech EEE on 02.09.2022 and 06.09.2022.



An Industrial visit to "SDTPS" on 02.09.2022



An Industrial visit to "SDTPS" on 06.09.2022

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

Achievements

Mr. R. Krishna Naik, an Alumni of the Dept. of EEE got selected as Deputy Collector through Group-1 examinations conducted by APPSC.

Mr. Y. Nagaraja student and Mr. T. Kosaleswara Reddy, Assistant Professor received "Best paper award" for the Paper titled "Fuzzy Logic Based Variable-Step Incremental Conductance MPPT Method for Grid-Connected PV Systems" in A Virtual National Conference on Recent Trends in Science &

Technology, Engineering and Management (RTSTEM-2022) organized by Sree Rama Engineering College, Tirupathi on July 2022.

అమ్మ అంగన్‌వాడీ కార్యకర్త.. కొడుకు డిప్యూటీ కలెక్టర్

పామిడి మండలం లోని రామగిరి దిగువ తండాకు చెందిన అంగన్‌వాడీ కార్యకర్త గోవిందమ్మ కుమారుడు ఆర్.కృష్ణనాయక్ గ్రూప్-1 ఫలితాల్లో ఉత్తమ ప్రతిభతో డిప్యూటీ కలెక్టర్ ఉద్యోగానికి ఎంపికయ్యారు. ఆర్ వెంకటేశ్వరయ్య, గోవిందమ్మ దంపతుల మొదటి కుమారుడు కృష్ణనాయక్. 15 ఏళ్ల క్రితమే తండ్రి వెంకటేశ్వరనాయక్ మరణించారు. తల్లి గోవిందమ్మ తన కుమారుణ్ణి ఉన్నత స్థానంలో చూడాలన్న సంకల్పంతో కష్టపడి చదివించింది. కృష్ణనాయక్ కూడా తల్లి ఆకాంక్షలకు అనుగుణంగానే చదివారు. తిరుపతిలోని విద్యానికేతన్ ఇంజనీరింగ్ కాలేజీలో ఎలక్ట్రికల్ అండ్ ఎలక్ట్రానిక్స్ ఇంజనీరింగ్ (ఉద్యోగం)లో బీటెక్ పూర్తి చేశారు. తర్వాత



Dr. K. Leledhar Rao, was awarded GEM Certified Professional title by ASSOCHAM (The Associated Chambers of Commerce and Industry of India) with C. No.: GEM CP 22/815 and got eligibility to execute Green & Eco-Friendly Movement (GEM) sustainability certification projects.

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 06 research papers were published in the reputed journals including SCI, SCOPUS and WOS.

Total 01 research findings were presented in a reputed international conference.

Total 01 Research Projects worth Rs.1.4 Lakhs was submitted to DST to grab financial assistance for conducting conference.

Cycling of Induced Magnets (CIM)

A new discovery

Dr. K. Leleedhar Rao, Associate Professor discovered a new phenomenon and developed the Principle of “Cycling of Induced Magnets (CIM)”. The effect of CIM, can be utilized to facilitate the prime mover action for generation of electrical energy. This CIM may leads to the innovation and development of new technology in the area of electrical power generation.

"In the hands of an engineering teacher, a classroom transforms into a playground of creativity, where ideas take flight and dreams take shape."

Students Corner

ETA

Under the department's student body Electrical Technical Association (ETA), During quarter-3 of 2022, total 04 no. of events were conducted under ETA and total 192 no. of students got participated.

EAC

Under “Electro Affinity Club” _total 02 no. of events were conducted during quarter- 2 & 3 of 2022 and total 85 no. of students got participated.

RDC

Under “Rural Development Club” total 02 no. of

events were conducted during quarter-3 of 2022 and total 118 no. of students got participated.

SC

Under “Spikes Club” total 02 no. of events were conducted during quarter-2 & 3 of 2022 and total 182 no. of students got participated.

Dr. B. Hemanth Kumar receiving Research Appreciation Award from the revered CEO



Alumni Interaction



Spikes Club



Flag Distribution



ETA: Talent Hunt

"The beauty of science lies in its pursuit of truth, and the beauty of technology lies in its transformation of dreams into reality."



ETA: Brain Keen Event



Career Counseling

Sree Vidyanikethan
Engineering College
(Autonomous)

Sree Sainath Nagar
Tirupati-517102

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



The Great Teacher: Manchu Narayana Swamy Naidu

EDITOR(S):

Dr. K. Leleedhar Rao, Associate Professor

Student Members:

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

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