SVU COLLEGE OF ENGINEERING : TIRUPATI

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

e-Zone

Department Magazine

2023 - 2024

Vision

To cater to the needs and aspirations of the people and their development, reach to the world through state of art technologies of electrical and electronics engineering and to serve the society at large.

Mission

- To provide the necessary domain expertise and infrastructure to the students
- To make available the advanced laboratories, application-oriented engineering principles for students and researchers
- To offer research and industry orientation to become successful service-oriented technocrats.

DEPARTMENT PROFILE

Establishment	: 1959.
Accreditation	: NBA, NAAC (A+)
Programs offered	: B. Tech (EEE), M. Tech (Power Systems) and Ph. D
Annual intake	: B. Tech - 72, M. Tech – 18
PhDs Awarded	: 95
Faculty strength	: Professors – 04, Associate Professor – 01, Assistant Professors – 01, Academic Consultants – 09
Supporting Staff	: Technical – 07, Non-Technical– 03
Facilities	: Digital Classrooms – 06, Seminar Hall – 01, Laboratories – 09, Library
Placements	: Most of the Students get placements and progressed to higher studies in Reputed organizations/HEI.

Editorial Board Members: ***Head, Faculty Members & Students***

Program Educational Objectives

- Graduates will, demonstrate professional behaviour to cater the global needs of the industry and society
- Graduates will pursue higher education to upgrade their professional and research Skills and inculcate the attitude of lifelong learning.
- Graduates will develop the qualities like creativity, leadership, team work and professional ethics contributing to the societal growth.

Program Specific Outcomes

- Generate, Transmit, Distribute, control and Utilize electrical power effectively by analyzing and apply appropriate techniques and hardware/software tool.
- Develop different electrical and electronics circuits/models using semiconductor and power electronics devices considerations the environmental and societal needs

Program Outcomes

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural science and engineering sciences.
- Design / Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural, societal and environmental consideration
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusion.
- Modern tool usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understating of the limitations
- The engineer and society: apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent relevant to the professional engineering practice.
- Environment and sustainability: understand the impact of the professional engineering solutions in societal and environmental context and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual and as a member or leader or in diverse teams and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activates with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Finding Wellness and Harmony: College Yoga Session

Our college organized a yoga session on 21st June of every year promoting wellness and balance. Participants practiced asanas and meditation, educing stress and enhancing focus. This initiative encouraged adopting yoga for a healthier, harmonious lifestyle amidst academic demands

Honoring Freedom: Flag Hoisting Ceremony on Independence Day

Our college celebrated Independence Day on August 15th of every year with a patriotic flag hoisting ceremony. Students and staff gathered to honor the nation's freedom, showcasing unity and pride. Speeches and cultural performances added to the spirit of the occasion.

Service to Society: NSS Camp Programs for a Better Tomorrow

The NSS unit organized a special camp in the month of March during this academic year focused on community service and social responsibility. Students participated in various activities, promoting cleanliness, awareness, and sustainability, fostering a spirit of service and contributing to societal development.

Empowering Change: Students' Community Service Project

Our students actively participated in a community service project, contributing to social welfare through various initiatives. They focused on addressing local needs, promoting awareness, and fostering a sense of responsibility, making a positive impact in society.

Reflecting Impact: Review of Community Service Project

Celebrating Innovation: SVUCE Alumni Honors the Best Project

SVUCE Alumni Association awarded prize money on Engineers day to recognize the best student project, celebrating innovation and excellence. This initiative encouraged creativity, motivated students to pursue impactful ideas, and strengthened the bond between alumni and the institution

Counseling & Mentoring Session for Students

Based on the NEP guidelines, our department conducted a periodic mentoring session to support students' academic and career growth. Faculty and mentors offered personalized guidance, addressing challenges and fostering confidence. The session aimed to inspire success and build a strong foundation for the future.

Student ZONE

Every academic year, Department of EEE organizes student association program(EEESA) with a grand inaugural function, marking the beginning of a series of events like Technical Quiz, Technical Symposium, Workshops, Cultural Activities, and Sports Events. These activities provided a platform for students to showcase their technical knowledge, creativity, and athletic skills. The events fostered innovation, teamwork, and camaraderie among participants. The program concluded with a valedictory function, celebrating the successful completion and recognizing the efforts of all involved.

Fueling Innovation: EBlaze Technical Workshop

The E-Blaze technical workshop provided students with hands-on experience in PCB design. Experts led sessions on innovation and problem-solving, empowering participants to enhance their skills and explore new ideas, fostering creativity and technical growth within the engineering community.

Brainpower Unleashed: Technical Quiz for Future Innovators

Celebrating Spirit and Talent: Sports and Cultural Activities

Celebrating Success: Valedictory Ceremony of EEESA

Faculty ZONE

Greening the Future: Clean and Green Initiative by Faculty

Students and faculty joined forces for the Clean and Green initiative, focusing on environmental conservation. Through tree planting, waste management, and awareness programs, the initiative aimed to promote sustainability and foster a cleaner, greener campus for all.

Celebrating Achievement: PhD Award for Academic Excellence

Vuduku Balaraju	Dr. Ch. Chengaiah
V Narendra kumar Padavala	Dr. Ch. Chengaiah
A.Suresh Kumar	Dr. V.Usha Reddy

Honoring Excellence: Best Teacher Award

Department Achievements

- 18 Students of EEE department had qualified National level GATE-2024 exam with good ranks and 5 students has progressed to higher education and 03 Research Scholars awarded Ph. D degree during the year.
- The department faculty and research scholars have 8 Book chapters, 5 Conferences and 31 publications in reputed journals notified on Scopus/WoS/PubMed/UGC.
- 9 Students from department of EEE got Placements in various reputed companies during the academic year.