

»»» NEWSLETTER «««

EEE DEPARTMENT



01-07-2021 TO 31-12-2021



**GREAT MINDS ARE
NURTURED BY GREAT
TEACHERS. A STUDENT'S
SUCCESS IS A TEACHER'S
VICTORY.**

**ELECTRICAL
ENGINEERS: NO
RESISTANCE CAN
DROP OUR POTENTIAL.**



OUR SOURCE OF INSPIRATION



DR. RAVURI VENKATASWAMY CHAIRMAN



RAVURI BALAJI VICE CHAIRMAN



DR. T. SUNILKUMAR REDDY PRINCIPAL

ABOUT COLLEGE

Sri Venkatesa Perumal College of Engineering (SVPP), established in 2001 in Puttur, Tirupati, Andhra Pradesh, is promoted by the TAMILIAN Education Academy. Spread over 25 acres, SVPP features well-ventilated classrooms, state-of-the-art labs, and extensive sports facilities. It is affiliated with Jawaharlal Nehru Technological University Anantapur (JNTUA), ISO 9001-2000 certified, approved by AICTE, and accredited by NAAC with an 'A' grade. The CSE, ECE, and EEE departments are accredited by NBA. SVPP offers 5 undergraduate courses (540 seats) and 7 postgraduate engineering courses (18 seats each), along with MBA (120 seats) and MCA (60 seats). The campus has WiFi, a central library with digital resources, and a fleet of 20 buses for transportation. Seventy percent of the faculty are ratified by JNTUA, ensuring distinguished and experienced educators.

SVPP provides industry-standard labs and workshops, and research centers equipped with the latest software. Strong industry links through MOUs with companies like Infosys, Cyient, Wipro, Zenopsys, and ERDL enhance students' learning and employment prospects. The college's focus on employment includes active support for internships. Strategically located on the Chennai-Bangalore Highway, SVPP is 20 minutes from Tirupati Airport, offering a lush, green, and pollution-free campus environment.

VISION OF THE INSTITUTE

To emerge as a Center of Excellence for Learning and Research in the domains of Engineering, Technology, Computing and Management.

MISSION OF THE INSTITUTE

M1: To provide congenial academic ambience with state-of-art resources for learning and research.

M2: Ignite the students to acquire self-reliance in the latest technologies.

M3: Unleash and encourage the innate potential and creativity of students.

M4: Inculcate confidence to face and experience new challenges.

M5: Foster enterprising spirit among students work collaboratively with technical Institutes/ Universities/Industries of National and International repute.

VISION OF THE DEPARTMENT

The vision of Electrical & Electronics Engineering Department is dedicated for curving the youth as dynamic, competent, valued and knowledgeable professionals who shall lead the nation to a better.

MISSION OF THE DEPARTMENT

- Providing quality education, student centered teaching – learning process and state of art infrastructure for professional aspirants hailing from both rural and urban areas.
- Imparting technical education that encourages independent thinking, develops strong domain of knowledge, hones contemporary skills and positive attitudes towards holistic growth of young minds.
- Evolving the department into a centre of academic and research excellence.

MEET OUR ESTEEMED FACULTY

We are proud to introduce our distinguished faculty members, whose expertise and dedication drive our institution's excellence.

Professors

Dr. N. Vasu

Dr. R. Sivasubramanian

Dr. G. Sabarinath

Dr. G. Sheshadri

Associate Professor

Mr. K. Siva Kumar (HOD)

Assistant Professors

Mr. M. Lokanadham

Mr. K. Kiran

Mr. J. Nagaraju

Mr. K. Venkatapathi

Mr. A. Rajesh

Mr. A. Naveen Kumar

Mr. S. Shanmugam

Mr. M. Chetan

Mr. S. Venkat Rao

Mrs. N. Sushmitha

Mr. M. Harish

Mr. G. Vijay Kumar

Mr. D. Mohan

Mr. K. Janardhan

Mr. P. Dhanasekharan

Each of these individuals brings a wealth of knowledge and a passion for teaching, ensuring that our students receive the best education and mentorship. We are honored to have such a dedicated and talented team.

FACULTY PROJECTS FUNDED

Our faculty members have been actively engaged in a variety of innovative projects during the academic year 2021-22. These projects, funded by esteemed agencies, highlight the dedication and expertise of our faculty in advancing technological research and development.

Modelling of Solar-Based Electric Vehicles

- **Faculty Name:** M. Harish
- **Duration:** 22/09/2021 to 11/04/2022
- **Funding Agency:** PHYSITECH POWER STEMS
- **Amount:** ₹35,000



M. Harish's project aims to model electric vehicles powered by solar energy, addressing the need for eco-friendly transportation solutions. This innovative approach supports the reduction of carbon emissions and promotes renewable energy use.

Investigation of Panel Board Maintenance Using MIC and MPD

- **Faculty Name:** M Chetan
- **Duration:** 17/11/2021 to 16/02/2022
- **Funding Agency:** SMART NUTS & BOLTS
- **Amount:** ₹45,000

This research investigates the maintenance procedures of panel boards using Microcontroller (MIC) and Multi-Point Detection (MPD) systems. The project aims to improve the efficiency and reliability of electrical systems through advanced diagnostic techniques.

Guest Lectures Organised

Graph Databases on Applications and Algorithms:

Held from September 24-25, 2021, for IV Year students with 22 participants. This lecture covered the use of graph databases for storing and navigating complex relationships, highlighting applications in social networks, fraud detection, and recommendation systems.



Smart Grid Technologies on Integration, Control, and Optimization:

Conducted from September 23-24, 2021, targeting III Year students with 16 participants. The session explored the integration of renewable energy, grid performance optimization, and advanced control mechanisms, emphasizing the role of smart meters and grid automation.



These guest lectures were instrumental in providing our students with valuable insights and practical knowledge in their respective fields.

Faculty Consultancy and Corporate Training Highlights

Mr. M. Lokanadham:

Mr. M. Lokanadham engaged in a consultancy project with AREVA T&D India Limited, located in Industrial Estate, Chennai, 600096. This project ran from 28th September 2021 to 30th December 2021, generating ₹64,000.00. His contributions were instrumental in improving their transmission and distribution operations.

Mr. J. Nagaraju:

Mr. J. Nagaraju completed a consultancy engagement with Sri Krishna Transformers Pvt. Ltd., located at Plot No: 344, V.P. Nagar, Tirupati - 517505. The project spanned from 7th July 2021 to 12th October 2021, generating ₹67,000.00. His efforts focused on optimizing their transformer production and quality assurance processes.

Internship Participation Announcement

We are excited to announce that a group of our dedicated students have successfully participated in various enriching internship programs organized by esteemed institutions.

Power Electronics Layout and Design Internship

From September 1st, 2021, to October 1st, 2021, the following students attended an intensive internship focused on Power Electronics Layout and Design, organized by Takeef Group TPT:

- 20G01A0201 - C. JYOTHI PRAKASH
- 20G01A0202 - E. CHANDU
- 20G01A0203 - M. BADRI
- 21G05A0202 - BALA GIRISH
- 21G05A0204 - BARIKI SHASHI KUMAR
- 21G05A0205 - BATHULA MAHESH
- 21G05A0206 - BEEMENI NAVEEN KUMAR
- 21G05A0207 - CHILAMANI VENKATESH
- 21G05A0208 - CHINNAKOTLA ANIL
- 21G05A0209 - CHINNA PAREDDY GOWTHAM REDDY
- 21G05A0210 - DANDU OMKAR
- 21G05A0211 - DESAI MALLIKARJUNA REDDY
- 21G05A0212 - GANGULA HAREESH
- 21G05A0213 - GAYAM VENKATESWARA REDDY
- 21G05A0214 - J. MOUNIKA
- 21G05A0215 - JAMBALIAHGARI RAMESH
- 21G05A0217 - KAPU SHIVA PRASANNA REDDY
- 21G05A0218 - KUMMARA SURESH
- 21G05A0219 - M. EEKSHITHA
- 21G05A0220 - MOODLAGIRI HANUMANTHA REDDY
- 21G05A0221 - MUDAGALLU NITHIN KUMAR
- 21G05A0222 - NAGIREDDYGARI CHARAN KUMAR REDDY
- 21G05A0223 - NALAGONDA MAHENDRANATH
- 21G05A0224 - PABBATHI VENKATESH
- 21G05A0225 - BODIREDDY PURUSHOTHAMREDDY
- 21G05A0226 - R. PUNEETH
- 21G01A0227 - SAI BALAJI
- 21G05A0228 - SAMBASIVAIAH MADHAN
- 21G05A0229 - SYED MASTHAN VALLI
- 21G05A0230 - TALARI MALLIKARJUNA
- 21G05A0232 - MALLEPALLI MALLIKARJUNA
- 21G05A0233 - TALLAPUREDDY GNANESWAR REDDY
- 21G05A0234 - UPPU KRISHNA HARINI



This program provided these students with hands-on experience and in-depth knowledge in the field of Power Electronics Layout and Design, equipping them with valuable skills for their future careers.

Enhancing Technical Skills: Workshops Overview

Throughout various workshops conducted recently, our department has focused on equipping students with essential skills aligned with industry demands. Here are some key workshops held:

Workshop on Home Automation, PLC, and SCADA

- **Gap Addressed:** Industrial automation and latest technologies
- **Action Taken:** Conducted from September 20 to September 27, 2021, led by Mr. P. Suresh Kumar, General Manager at Schneider Electric India Ltd, Bangalore, Karnataka, India.
- **Number of Students Attended:** 16
- **Relevance to POs, PSOs:** PO1, PO2, PO3, PO5, PO9, PO11, PO12, PSO1, PSO2



Workshop on Power Swelling in Transmission Lines

- **Gap Addressed:** Practical experience in managing power issues
- **Action Taken:** Conducted from August 23 to August 28, 2021, led by Dr. P. Sravankumar, Associate Professor at VIT University, Vellore, Tamil Nadu, India.
- **Number of Students Attended:** 37
- **Relevance to POs, PSOs:** PO1, PO2, PO3, PO5, PO9, PO11, PO12, PSO1, PSO2



Workshop on Circuit Simulation and Analysis Using TINA & TI

- **Gap Addressed:** Design, simulation, and analysis of electronic circuits
- **Action Taken:** Conducted from August 4 to August 6, 2021, led by Mr. S. Kedarnath.
- **Number of Students Attended:** 33
- **Relevance to POs, PSOs:** PO1, PO2, PO3, PO5, PO9, PO11, PO12, PSO1, PSO2



These workshops have been instrumental in providing students with practical skills and knowledge necessary to excel in their careers, ensuring they are well-prepared for the challenges of the modern industry landscape.

Eminent Visiting/Adjunct Faculty

We are delighted to acknowledge the distinguished professionals who have enriched our academic community through their expert contributions during the academic year 2021-22.

Mr. S. Muni Lokaiah

Position: Plant Manager

Company: Mitrah Energy India Pvt. Ltd, Hyderabad

Title: Power Generators & Plant Operations

Lecture Commitment:

- **Weekly: 3 hours**
- **Monthly: 6 hours**
- **Total Duration: 7 weeks**
- **Total Instruction Time: 21 hours**

Mr. Lokaiah's industry insights and managerial expertise have provided our students with practical knowledge crucial for their career development in the energy sector.

Mrs. Sushil Sanjay Singh Pardeshi

Position: Synthesis & STA Engineer

Company: Mirafra Technologies Pvt. Ltd.

Title: Electrical Systems & Synthesis

Lecture Commitment:

- **Weekly: 3 hours**
- **Monthly: 12 hours**
- **Total Duration: 16 weeks**
- **Total Instruction Time: 48 hours**

Mrs. Pardeshi's technical proficiency and experience in semiconductor technologies have significantly enhanced our students' understanding of advanced engineering concepts.

Their dedication and invaluable contributions have greatly benefited our learning environment, preparing our students for the challenges and opportunities in their respective fields.

FACULTY DEVELOPMENT PROGRAMS (FDP) ATTENDED

AI, MACHINE LEARNING, DEEP LEARNING, AND AUTOMATION APPLICATIONS IN ELECTRICAL DATASETS

Description: Explored applications of AI, machine learning, and automation in electrical datasets from July 5-10, 2021.

Attended by:

- Mr. K. Siva Kumar
- Dr. N. Vasu
- Dr. R. Sivasubramanian
- Dr. G. Sheshadri
- Dr. G. Shabarinath
- Mr. K. Kiran
- Mr. J. Nagaraju
- Mr. K. Venkatapathi
- Mr. A. Rajesh
- Mr. M. Harish
- Mr. S. Venkat Rao

RECENT TRENDS IN ELECTRICAL ENGINEERING

Description: Explored recent trends in electrical engineering from August 16-23, 2021.

Attended by:

- Mr. K. Siva Kumar
- Dr. N. Vasu
- Dr. R. Sivasubramanian
- Dr. G. Sheshadri
- Dr. G. Shabarinath
- Mr. M. Lokanadham
- Mr. K. Kiran
- Mr. J. Nagaraju
- Mr. K. Venkatapathi
- Mr. A. Rajesh
- Mrs. N. Sushmitha
- Mr. M. Harish

ADVANCEMENTS IN EV TECHNOLOGIES SERIES - C

Description: Explored advancements in electric vehicle technologies from June 14-19, 2021.

Attended by:

- Mr. A. Naveen Kumar

WIDE AREA MEASUREMENT SYSTEM DESIGN AND POWER SYSTEM PROTECTION

Description: Explored wide area measurement system design and power system protection from July 12-17, 2021.

Attended by:

- Mr. K. Venkatapathi
- Mr. A. Rajesh
- Mr. G. Vijay Kumar
- Mr. D. Mohan

APPLICATIONS OF ARTIFICIAL INTELLIGENCE (AI) IN ELECTRICAL ENGINEERING (EE) FOR THE PERFORMANCE OF VARIOUS SECTOR

Description: Explored AI applications in electrical engineering from August 24-28, 2021.

Attended by:

- Dr. N. Vasu
- Dr. R. Sivasubramanian
- Dr. G. Sheshadri
- Dr. G. Shabarinath
- Mr. K. Janardhan
- Mr. P. Dhanasekharan

RECENT ADVANCES IN ELECTRICAL ENERGY MANAGEMENT, CONTROL AND AUTOMATION

Description: Explored recent advances in electrical energy management, control, and automation from June 8-12, 2021.

Attended by:

- Dr. N. Vasu
- Dr. R. Sivasubramanian
- Dr. G. Sheshadri
- Dr. G. Shabarinath
- Mr. A. Naveen Kumar
- Mr. D. Mohan
- Mr. K. Janardhan
- Mr. P. Dhanasekharan

TRAINING AND PLACEMENT ACTIVITIES

S.No	Date	Name of the Training/Event	Name of the organization/Re-Source Person
1	26.07.2021 to 01.08.2021	TCS Company Specific Training- Online	Talentio Solutions India Pvt. Ltd.. Hyderabad Mr. Vignesh Kumar Mr. Somasekhar Ms. Pravalika
2	06.08.2021 to 07.08.2021	Online- Resume Preparation Course	Seventh Sense Talent Solutions, Bangalore Mr. K Vinodh Prabhu Mr. A. Ravi Kiran
3	14.08.2021 to 15.08.2021	Virtual Mock Interviews	Seventh Sense Talent Solutions, Bangalore Mr. Ramesh Babu Ms. Priyanka Mr. Shyam Sundhar Mr. Joseph
4	17.08.2021 to 19.08.2021	Mphasis Company Specific Training	Six Phrase, Chennai Mr. Senthil Kumar Mr. Prabhu Kiran Mr. Selvam
5	06.09.2021 to 09.09.2021	Wipro Company Specific Training	Talentio Solutions India Pvt. Ltd.. Hyderabad Mr. Rakesh Mr. Joseph Mr. Ranjith Kumar
6	11.09.2021	Interaction on Current Trends in IT	Mr. Ashok Joshi, Zenopsys
7	15.09.2021 to 19.09.2021	Virtual Technical Training on C & DS	Mr. Satya Narayana, Free Lancer
8	04.10.2021 to 09.10.2021	Verbal Training	Mr. K Srinivasa Reddy, ACE Academy
9	01.11.2021 to 06.11.2021	Aptitude Training (Quants)	Mr. M. Sambaraju
10	17.11.2021	Stress Management & Leadership qualities	Mr. Mahindra, Motivational Speaker
11	06.12.2021 to 12.12.2021	Technical Training on Python Programming	Mr. Satya Narayana ,Free Lancer

<https://svpcet.org>



SRI VENKATESA PERUMAL COLLEGE OF ENGINEERING & TECHNOLOGY

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