



### CHAIRMAN'S MESSAGE

It gives me great pleasure to welcome you to our SV Colleges family, a shrine of eminent learning which is relentlessly striving to provide all necessary inputs to enhance our students employ-ability and research skills and make them whole-some personalities.

It is with great pride that I serve as the Chairman of SV Colleges. I believe in the education we offer just as I believe in our faculty and our students. Envision your student in this environment, where we emphasize the important qualities of integrity, honesty, and creativity.

**CHAIRMAN & FOUNDER**  
GANGI REDDY. A

### PRINCIPAL'S MESSAGE

It is a matter of great pride and satisfaction for SV COLLEGE OF ENGINEERING to bring out the News Letter from the Department of Electrical & Electronics Engineering. I am confident that this issue of Department News Letter will send a positive signal to the staff, students and the person who are interested in the Technical education and Technology based activities. I express my deep sense of gratitude to Dr.K.Sudheer, HOD/EEE under whose guidance this Technical work has been undertaken and completed within the stipulated time. Also my heartfelt Congratulations to staff members and Students for their fruitful effort. With Best Wishes

**PRINCIPAL**  
Dr.N.SUDHAKAR REDDY

### HOD'S MESSAGE

The Electrical Engineering is a versatile and evergreen branch of engineering. Department has well qualified and dedicated faculty with well-developed laboratories. We impart quality engineering education through sound theoretical knowledge, hands on laboratory as well as computational skills and exposure to recent technologies by visiting industries & expert talk. We provide opportunities for students to participate in various technical and sports events /competitions. This newsletter is an attempt to highlight the achievements of the department, in spite of the space constrain we have showcased the best and look forward to have more in the future on a quarterly editions.

**HEAD OF THE DEPARTMENT**  
Dr. K. SUDHEER

### ABOUT THE DEPARTMENT

The Department of EEE was established in the year 2007 with an intake of 60 and enhanced to 180 in 2013. The Department has highly qualified and rich experienced faculty with the aim of providing quality educational service. The Department has good infrastructural facilities and is equipped with full-fledged laboratories and audio visual systems. The department focuses its research on Power conversion systems and Solar PV technologies.

### VISION OF THE DEPARTMENT

To prepare the learners globally competent, dynamic and multi talented young leaders with skill & knowledge in Electrical and Electronics Engineering field with a focus on higher education, professional practice, research and technical consultancy competence imbibing social and ethical concern.

### MISSION OF THE DEPARTMENT

1. To prepare the learners professionally deft and intellectually adept in the field of Electrical and Electronics Engineering with an excellent infrastructure, core values and qualified & experienced teaching faculty.
2. To inculcate skill, knowledge and behavior to cater the dynamic requirements in the field of Electrical and Electronics Engineering.
3. To motivate and prepare the learners for career guidance, placements and higher education with a focus on MOUs with premier institutes and industries.

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**DEPARTMENT ACTIVITIES:****FACULTY DEVELOPMENT PROGRAMME:**

Our Department organized Faculty Development Program on “Recent Challenges in Power Systems” (22nd - 26th June , 2020 Through Online Mode) In Association with Indian Society for Technical Education (ISTE) AP – 169.

**WORKSHOPS CONDUCTED:**

Our Department organized e- work shop on MATLAB & its Application in Electrical Engineering for students from 20/07/2020 to 25/07/2020.

In these six days workshop students learnt Applications of MATLAB & Power Electronics Converters and designed Power Electronics Converters using Simulink.

**WEBINARS CONDUCTED:**

Department of EEE in association with ISTE student Chapter jointly organized ONE DAY NATIONAL LEVEL WEBINAR on “An Insight to Industrial Motor Drives & Challenges”

Speaker	Title	Time
<b>Day-1: 22/6/2020-MONDAY</b> Dr.V. RAVI PRASAD NAIDU Professor, Department of EEE, Narayana Engineering College, Gudur	Power Electronics – Risk Mitigation Tools	10 :30 Am to 12:30 Pm
<b>Day-2: 23/6/2020-TUESDAY</b> Mr.T. RAJENDRA Research Associate, School of Electrical Engineering, VIT, Chennai	Insights of Smart Building Energy Management with Heterogeneous Entities	10 :30 Am to 12:30 Pm
<b>Day-3: 24/6/2020-WEDNESDAY</b> Mr. KOLA SAMPANGI SAMBALAH Assistant Professor, Department of EEE, Jain University, Bengaluru	Optimal Allocation of Renewable Energy Sources in Distribution Systems Using Meta-heuristic Algorithms	10 :30 Am to 12:30 Pm
<b>Day-4: 25/6/2020-THURSDAY</b> Dr. D.LENINE Professor, Department of EEE, RGM CET, Nandyal	MPPT Techniques in Photo Voltaic Systems	10 :30 Am to 12:30 Pm
<b>Day-5: 26/6/2020-FRIDAY</b> Dr. C HARICHARAN Post Doctoral Fellow, Department Of Electrical Engineering, IIT Gujarat	Electric Springs: Role of Electric Springs in Energy Management and Power Savings at Low Voltage Levels	10 :30 Am to 12:30 Pm
<b>CHIEF PATRONS</b> Sri. A. Gangi Reddy, Chairman Sri. Prakash Ambavaram, Vice-Chairman	<b>PATRONS</b> Dr. N. Sudhakar Reddy, Principal, SVCE Dr. T. Kalpa Latha Reddy, Principal, SVEC	
<b>CONVENER</b> Dr. K. SUDHEER Professor & HOD-EEE SV College of Engineering Tirupati, +91 9742713909	<b>CO-CONVENERS</b> Dr.V. LAKSHMI DEVI, Associate Professor Cell: 9032621234 Dr.K.RAMA KRISHNA REDDY, Associate Professor Cell: 9177950372 Department of EEE	<b>NOTE:</b> ➤ Last Date for Registration: 21/06/2020 ➤ No Registration Fee ➤ e-Certificates will be provided for active participation

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

In association with ISTE student chapter

*Organizes*  
National Webinar

on

**“An Insight to Industrial Motor Drives & Challenges”**

**Speaker**

Mr. V.K. ARUN SHANKAR  
Engineer (Testing)  
Danfoss Drives Segment - R&D (SW)  
Chennai, Tamil Nadu

**Free registration  
&  
E-Certificate Will Be Provided**

**STUDENT ACTIVITIES & ACHIEVEMENTS:****CAMPUS RADIO:**

Department of EEE has appointed A. Vaishnavi and V. Akhila as Department publicity team members for SVCE Campus Radio, to share the Department events information to publicity team to announce in SVCE Campus Radio. Dr.Kumar K, SVCE Campus Radio Coordinator formed different teams ,

1. S.Supraja (19BF1A02D2), T.G.DivyaSai (18BF1A0297) as Audio Editing Team.
2. V.Akhila (19BF1A02G2), B.SreeDeepthi (18BF1A0210), M.Mahesh Swamy (18BF1A0265), P.Jeevan kumar reddy (19BF1A02B1), R.Imran (19bf5a0242), S.Supraja (19BF1A02E4), Thalapulamahendra (19bf5a0254) as Creative Team.
3. A.Vaishnavi (18BF1A0203) as Drafting Team
4. B.SreeDeepthi (18BF1A0210), S.Supraja (19BF1A02D2), Thalapula mahendra (19bf5a0254) as Graphic Designing Team
5. A. Vaishnavi (18BF1A0203), V.Akhila (19BF1A02G2), P.Jeevan kumar reddy (19BF1A02B1), Sunkara Lakshmi Priya (19BF1A02E4) as Publicity Team
6. A. Vaishnavi (18BF1A0203), B.Sree Deepthi (18BF1A0210), M.Mahesh Swamy (18BF1A0265), P.Jeevan kumar reddy (19BF1A02B1), R.Imran (19bf5a0242) T.G.DivyaSai (18BF1A0297), Thalapula mahendra (19bf5a0254) as Radio Jockey team.
7. V.Akhila (19BF1A02G2), M.Mahesh Swamy (18BF1A0265), Sunkara Lakshmi Priya (19BF1A02E4) as Scheduling team.

**GREEN-E CLUB:****Objective of this club:**

- To encourage innovative thinking and creativity and inculcate research skills in our students.
- To provide an ambience that makes our students ethically strong and professionally competent and thereby, contributing to a healthy and prosperous society.
- Energy is the force behind any work that goes any distance in today's industrialized economy. In order to exploit energetic students who continually explore and experiment with design pedagogies, values and innovative practices.

**Under this we organized:**

1. National Level online E Quiz on " Know your Environment"
2. Guiding students to design innovative prototypes for COVID\_19 Challenge initiated by AICTE.

Total 21 project taken pitch start and TWO have been completed.



**Low Cost Smart Contactless hand Sanitizer dispenser.**



**Solar based Smart Contactless hand Sanitizer dispenser.**

**AI CODING CLUB:****AI Coding Club aims:**

- To establish a coding culture among the students to be passionate about coding.
- To enhance coding skills, develop problem solving techniques and encourage active participation in programming contests.
- To impart to students the importance of coding, developing applications and knowing about the various design tools, desktop computing techniques used in the industry currently.
- Mainly focuses on training and developing the coding skills of the fellow members for learning various diversities of Coding and Design.

The Club has 4 committees: Python, C/C++, MATLAB and Android.

Under this,

- 12 students participated in national Level Coding contest “Code Predator” and 6 students received SILVER Level Certificates.
- They Built Swasthya setu App.



