

# SV ENGINEERING COLLEGE

## TIRUPATI

**Volume: 03**

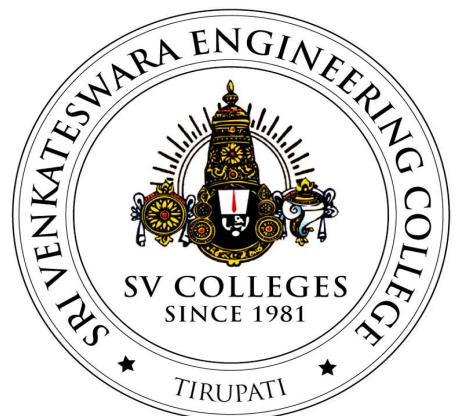
**Issue: 01**

Electrical and Electronics Engineering

# VIDYUTH

2019-20 odd semester news letter

**January 2020**



*Talk to yourself once in a day...*

*Otherwise you may miss meeting an  
EXCELLENT*

*person in this World*

— Swami Vivekananda



# **Electrical and Electronics Engineering**

## **Vision of the Department**

To produce graduates in Electrical and Electronics Engineering with quality education by creating Center of Excellence in various domains, equip them in technical aspects to meet the industrial standards and provide an environment for quality research and continual learning in a professional way to serve the society with ethical mean for the development of the nation.

## **Mission of the Department**

- Enriching the students in technical concepts through innovative teaching methods by qualified teachers.
- Introducing Industrial based education in correlation with the regular curriculum by establishing Centre of Excellence in various domains to meet the industrial standards.
- Inculcating the thoughts of innovation, research and continual learning to excel the students in their field of interest.
- Facilitating the students by creating awareness on leadership quality, professional ethics and human values in delivering their responsibilities to the society for the development of nation.

## **Program Specific Outcomes**

- The students will be able to provide solutions for various technical problems through modern software tools and equipments such as PSPICE, MATLAB, LABVIEW, etc.
- The students will be able to develop and provide support to systems based on non-conventional energy sources.

## **About the Department**

Welcome to the Department of Electrical and Electronics Engineering at SV Engineering College Tirupati, where experienced faculty and highly motivated students - supported by a dedicated staff - experience a unique engineering education. An extremely dynamic and large faculty and a well experienced support staff, give the Department a breadth of research focus and wide range of technical expertise. Our experienced faculty members have a passion for teaching and an avowed commitment to research and development. We are continually striving to improve the quality of our programs by finding new ways of structuring our curriculum and exploring new delivery methods. We provide our students opportunities to engage in experiments, design work, project work, industrial training, seminars, and team work to enhance the learning process that is so vital for a holistic engineering education. They develop skills of inquiring and exploring new ideas on their own. In essence, they are well prepared for the life-long learning that is vital for an enriching career in engineering. Our students develop an ability to think, are able to innovate, and acquire a strong foundation in technical knowledge.

## Principal's Message



I have great pleasure in conveying my best wishes to the Department of Electrical Engineering for releasing the technical magazine "Vidyuth" which brings the students and teachers of various disciplines on a common platform to share and display their ideas and creative talents. I wish all the students who have involved in bringing out the magazine for their greater success and career ahead.

**Dr. T. KALPA LATHA REDDY, ME, Ph.D, LMITE, LMISTE.**

**PRINCIPAL**

## HOD's Message

A thought that has been enduring in mind when it becomes real; is truly an interesting and exciting experience. This news letter was one such cherished work that had its roots in the persuasion. It would be a snapshot of the various activities and advancements for all associated with SVEC, Tirupati. Proper communication plays a vital role in institution's development. This news letter will serve to reinforce and allow increased awareness, improved interaction and integration among all of us. Usually we fail to appreciate the good deeds of many people and activities that happen around us as we are engaged in irrelevant talks and assumptions. It could all change if we just pause to think of what is our contribution to the society from which we have been gifted with this blessed life. The progress of the society is mainly depends on many people who are working behind the scenes, overtime round the clock planning things to the smallest. This news letter will be a medium to provide proper acknowledgement and respect all of these efforts and its results. This newsletter is intended to be published twice in a year. This inaugural issue is a brief account of the important events held up to December 2019. It is expected that wide support for this mission will be provided through the reader's valuable suggestions and comments. This is only a small step towards a long journey. To achieve progress and to meet objectives we have to cross numerous milestones. This newsletter should inspire all of us for a new beginning enlighten with hope, confidence and faith in each other in the road ahead..... Happy Reading !

**Dr. SHAIK RAFI KIRAN, M.Tech, Ph.D, FIE, MISTE, MIAENG.**

**Professor & HOD**

# Faculty Corner



## **Paper Publications:**

- Dr. P Selvaraj, Professor published paper on “SMART ASSIMILATION OF RENEWABLE BASED MICROGRIDS”, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2S8, August 2019.
- Dr. P Selvaraj, Professor published paper on “Design of Z Source Inverter based VSWECS with Improved PWM Control” in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-10, August 2019 PP: 1402-1407.
- Gowtham Chendra, CH Lenin Babu, G Hanumantha Reddy, MV Bramhananda Reddy, “Comparison between Symmetrical and Asymmetrical Cascaded H-Bridge Multi level inverters using Level shifted Modulation techniques”, JOICS, ISSN: 1548-7741, Vol: 9, Issue 10, Oct-2019, PP: 705-712.
- Shaik Rafi Kiran, G. Hanumantha Reddy “Recent Nature Inspired Techniques for Solar Power Point Tracking Application”, IJITEE, ISSN: 2278-3075, Volume-9 Issue-1, November 2019, PP: 3678-3684.

## **Conferences attended:**

- Gowtham Chendra, Ch Lenin Babu, G Hanumantha Reddy, MV Bramhananda Reddy presented a paper on “Reduction of THD for a Hybrid Multilevel Inverter using Equal Area Criteria Switching Technique” in National Conference on Recent Trends in MEMS & Nano Technology (NCRMN-2k19) organized by SV Engineering College, Tirupati on July 26<sup>th</sup>–27<sup>th</sup>, 2019.
- Dr. P Selvaraj, Professor Presented a Paper Entitled “Trans Z source based four switch three phase inverter in the international conference on recent trends in Aero science and Engineering & Technologies on 06-09-2019 organised by Department of EEE Jeppiar Institute of Technology, Chennai.
- Gowtham Chendra, M Jyothsna Devi presented a paper on “Comparison between Symmetrical and Asymmetrical Cascaded H-Bridge Multi Level Inverter using Level Shifted Modulation Techniques”, in Recent Trends in Science, Engineering & Technology (RTSET-19) organized by AITS, Tirupati on October 30<sup>th</sup>–31<sup>st</sup>, 2019. **Awarded with Best Oral Presentation.**

## **Others:**

- Dr. P Selvaraj, Professor participated in Faculty Development Programme on “creating significant learning Experiences” held from 01-07-2019 to 06-07-2019 organized by SV College of Engineering, Tirupati in co ordination with SEEK & Sanarys Pvt Ltd.
- MV Bramhananda Reddy, G Hanumantha Reddy, VGT Rakesh, G Dilli Babu, Ch Lenin Babu, Gowtham Chendra has participated in Participated in one week Short Term Training Programme on “Industrial Automation using Programmable Logic Controllers and Electro-Mechanical Transducers” organized by Dept. of EEE, AITS, Tirupati held on September 09th -15th , 2019.
- Dr. P Selvaraj, Professor Participated in National Level Short term Training Programme (STTP) on “Applied Mathematics & Scientific Computation for engineering Research” Sponsored by AICTE organised by Department of ECE , S.A Engineering College, Chennai. from 04-11-19 to 09-11-19.



# Student Corner

## Results and Toppers

### **I B.Tech II Semester**

Total students registered	: 71
Total students passed	: 35
Pass Percentage	: 49.30%

### **List of Toppers**

S.No.	Roll Number	Name of the Student	%
1	189E1A0270	Tiruveedi Revathi	89.13
2	189E1A0239	Mittapalli Praneetha	86.50
3	189E1A0219	Gorthipalli Shaik Nusrath	85.75
4	189E1A0226	Kalluru Akhila	84.13
5	189E1A0264	Sreerangappa Gari Nayana	83.13

### **II B.Tech II Semester**

Total students registered	: 114
Total students passed	: 36
Pass Percentage	: 31.58%

### **List of Toppers**

S.No.	Roll Number	Name of the Student	%
1	179E1A0233	Kanneppagari Supriya	86.00
2	179E1A0290	Singamreddy Surekha	85.44
3	179E1A0248	Madhara Jashnavi	84.00
4	179E1A0242	Kundana Chinthagumpala	83.11
5	179E1A0299	Yellamaraju Jyothi	83.11

### **III B.Tech II Semester**

Total students registered	: 119
Total students passed	: 86
Pass Percentage	: 72.27

### **List of Toppers**

S.No.	Roll Number	Name of the Student	%
1	169E1A0285	Pushpala Sowmya	85.78
2	169E1A0260	Madhavaram Vani	84.67
3	169E1A0286	R Nireesha	84.22
4	169E1A02A0	Thotapalli Pravallika	83.78
5	169E1A0288	Rajala Lakshmi Sri	83.67

### **IV B.Tech II Semester**

Total students registered	: 123
Total students passed	: 118
Pass Percentage	: 95.93

### **List of Toppers**

S.No.	Roll Number	Name of the Student	%
1	159E1A0202	A Sushmitha	92.20
2	159E1A0265	N Harika	91.80
3	159E1A0245	Konduru Pavithra	91.20
4	159E1A0268	Nellam Setty Priya	91.20
5	159E1A0287	Thirukala Roja	91.20

Keep up the  
Good work

# Placed Students

2016-20 Batch

## Capgemini

A V N Bhavyasree  
 Balireddy Harshitha  
 C Yamini  
 Dondapati Bhavana  
 Dudekula Jareena  
 Eragamreddy Aiswarya  
 G Bhagyasri  
 K Hima Bindu  
 Kunchapu Lakshmi  
 M Sneha  
 Anamandala Divya  
 Mitturu Neelima  
 Munagalu Ramamoorthy Kavya  
 Murikinati Poojitha  
 Nadipi Vandana  
 Nanabala Nandini  
 Padi Ranjitha  
 Peramsetty Mounika  
 Pushpala Sowmya  
 R Nireesha  
 Sannapa Ramya Geethika

## Cognizant

Balireddy Harshitha  
 D Bindupriya  
 Dharmiahgari Sreenija  
 G Bhagyasri  
 Murikinati Poojitha  
 Navida Navya Sree  
 Peramsetty Mounika  
 Sirasati Bhavyasreedevi  
 Yarragundla Mamatha

## Mphasis

Ammisetti Bhargavi  
 Kanikapuram Vamsi Prasanna

## TCS

Anamandala Divya  
 Sannapa Ramya Geethika

## Zenopsys

Vankamaddi Geethika

## Wipro

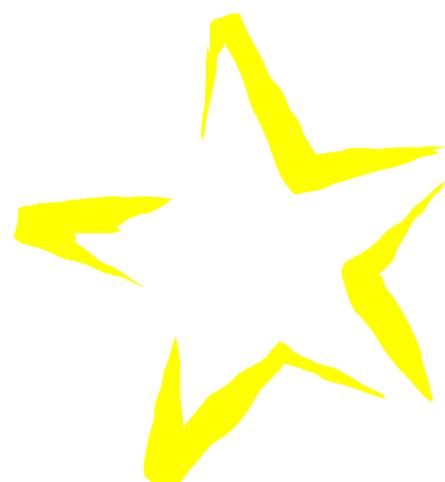
R Lakshmi Siri  
 Munagalu Ramamoorthy Kavya



Shigoto o arigatō

*Thanks to Placement Team  
 and the Supporting Faculty*

*Dr. Shaik Rafi Kiran  
 Mr. S B Mohan  
 Mr. S Naresh  
 Mr. N Thirupataiah  
 Mr. G Dilli Babu  
 Mr. MV Bramhananda Reddy  
 Mr. Ch Lenin Babu*



## STUDENT PARTICIPATIONS

- T Sruthi, S Akhila, V Muni Sai Pavani, P Pavani Srihas bagged **First prize** in 24 hours Hackathon on “Internet of Things with IBM Cloud” organized by STARTUP CELL, SV University College of Engineering, Tirupati held on 01-04 August, 2019.
- P Sumalatha bagged **Third prize** in 24 hours Hackathon on “Internet of Things with IBM Cloud” organized by STARTUP CELL, SV University College of Engineering, Tirupati .
- 14 students of III EEE has participated in 2 day Boot Camp with 24 hours Hackathon on “Internet of Things with IBM Cloud” organized by STARTUP CELL, SV University College of Engineering, Tirupati held on 01-04 August, 2019.
- Lavanya Chitta, Keerthipati Mahitha attended “APP Development— with Mobile Sensor” online FDP Program conducted by Chase Research and Development Department, Chennai from 19.08.2019 to 21.08.2019.
- 22 students of II EEE has participated in “PCB Fundamentals” from 19.08.2019 to 21.08.2018 conducted by APSSDC in SV Engineering College, Tirupati.
- 70 students of II EEE has participated in “Arduino with Scratch” from 16.09.2019 to 18.09.2018 conducted by APSSDC in SV Engineering College, Tirupati.
- N Chamanthi, M Ygalikhitha, P Sushma, P Anusha has participated in workshop “Artificial Intelligence” conducted by Kyrion Technologies Pvt. Ltd on 21 & 22 September, 2019 at IIT, Hyderabad.
- M Hema Prathyusha participated in “Entrepreneurship Awareness Camp” organized by SV University Entrepreneurship Development Cell, SV University, Tirupati from 27.09.2019 to 29.09.2019.
- M Surya Sri, G Vinutha, A Vandhana has participated in 2 days Workshop on “PLC & SCADA with Drive” at Sree vidyanikethan Engineering College, Tirupati from 27.09.2019 to 28.09.2019.
- N Bhavana Reddy, Y Nikhila Reddy has participated in “Machine Learning and IBM Watson” Workshop by Smart Bridge in Collaboration with IBM held on 27 & 28 September, 2019 organized by Aaruush’19 at SRMIST, Kattankalathur.
- A Vyshnavi, B Janithya, S Akhila, P Pavani Sri was an active part of Developer weekend BLR-Bengaluru’s Most Diverse Developer conference on 28th & 29th September, 2019 at Reva University, Bengaluru.
- Vungarala Muni Sai Pavani has participated in “ Virtual Reality with Unity” at Developer weekend BLR-Bengaluru’s Most Diverse Developer conference on 28th & 29th September, 2019 at Reva University, Bengaluru.
- B Janithya has participated in “Building for Google Cloud” at Developer weekend BLR-Bengaluru’s Most Diverse Developer conference on 28th & 29th September, 2019 at Reva University, Bengaluru.

## STUDENT PARTICIPATIONS

- D Navya, C Hevitha, Kothapati Naga Sujana Gayathri, Kokanti Bindu, Golla Reddy Padmaja, Kundana Chinthagumpala, Chamarthi Jyothi has participated in “Hybrid and Electric Vehicle” workshop conducted in SPARK'19 on October 12, 2019 at Madras institute of Technology Campus, Anna University, Chennai.
- Budda Janithya, Kothapati Naga Sujana Gayathri, Chinthamakula Hevitha, Aragonda Bindevi, Dommaraju Neeharika, Kundana Chinthagumpala, Archakam Vyshnavi has participated in “PLC Fundamentals” held from 14.10.2019 to 16.10.2019.
- P Pavani Sri, S Akhila has been Volunteer for Youngistaan on 15.10.2019.
- A Padma Sirisha, P Pavani Sri has been appreciated for being voluntary blood donor of Youngistaan on 15.10.2019
- U Swarna Kumari, S Sireesha, P Madhavi and A Bhanu has participated in technical workshop entitled “IOT” at Audisankara Youth Fest 2k19 of Audisankara Group of Institutions held on 18 & 19 October 2019.
- B Ramya Sree, M Subha Jayasree, K Pujya Lakshmi has presented project entitled “IOT Based Home Automation” and secured **I-Prize** at Audisankara Youth Fest 2k19 of Audisankara Group of Institutions held on 18 & 19 October 2019.
- B Ramya Sree, M Subha Jayasree, K Pujya Lakshmi has Participated in Quiz at Audisankara Youth Fest 2k19 of Audisankara Group of Institutions held on 18 & 19 October 2019.
- 20 students from II EEE has participated in two day workshop entitled “Printed Circuit Board Design and Fabrication” in E-Blaze 2k19 of SV University College of Engineering, Tirupati held on 18.10.2019 to 19.10.2019.
- Praneetha Mittapalli has completed 60 hours of Advanced Python Training with Internship.
- Lahari participated in Marathon 5k run on the occasion of Police Commemoration Day on 21.10.2019 and **won II Prize**.
- S Ramya Geethika, M Chaithanya presented a paper on “Comparison between Symmetrical and Asymmetrical Cascaded H-Bridge Multi Level Inverter using Level Shifted Modulation Techniques”, in Recent Trends in Science, Engineering & Technology (RTSET-19) organized by AITS, Tirupati on October 30<sup>th</sup>–31<sup>st</sup>, 2019.

## EVENTS ORGANIZED



A Seminar on  
**“Industrial based Electrical Design and Modeling in 2D and 3D”**  
by Mr. ARUL ANANAD , Alpha CADD Solutions, on July 12, 2019 for II & III EEE



A Seminar on **“Recent Trends and Technologies for Innovations”**  
By Dr. N. R. Shankar, Chase Technologies, on July 15, 2019, for II EEE Students.



**“A Career Guidance Programme”**  
by ACE Academy , Tirupati is organized on 20<sup>th</sup>, July 2019, for II EEE Students.



Alumni interaction with **Pothuraju Kousalya**(2012-16 Batch) on August 03, 2019.



**Two days National level workshop on  
"Hands on Development of Electrical Applications"**

by Takeoff Group Tirupati, on September 30, 2019 & October 01, 2019, is Organized for III EEE Students

## **Editorial Board**

Head of the department	: Dr. Shaik Rafi Kiran, Professor & Head/EEE
Staff Advisory Committee	: Mr. Gowtham Chendra, Assistant Professor, Dept. of EEE
	: Mr. Ch Lenin Babu, Assistant Professor, Dept. of EEE
Editors	: Ms. Singam Reddy Surekha (III Year)
	: Ms. Vankamaddi Geethika (IV Year)

## **SV Colleges Campus**

