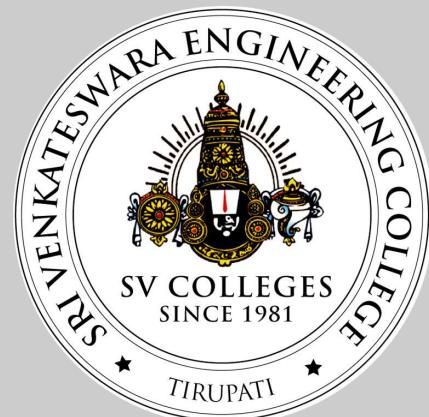


Electrical and Electronics Engineering

# VIDYUTH

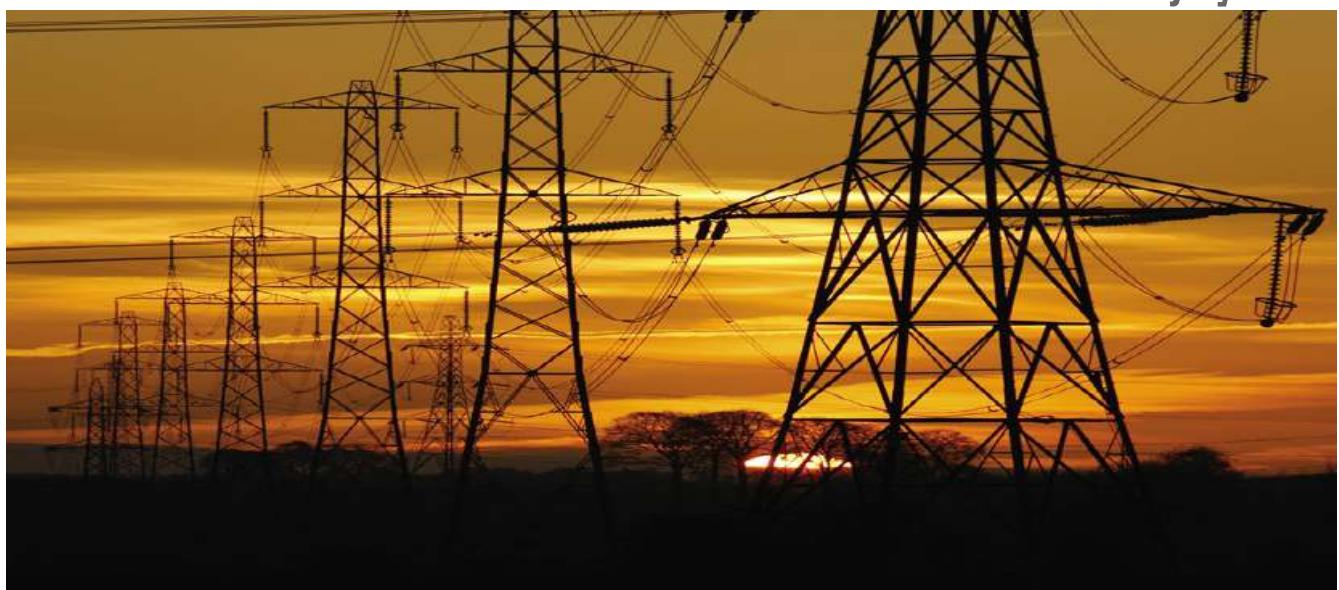
2018-19 even semester news letter

गुरुब्रह्मा गुरुर्विष्णुः  
गुरुदेवो महेश्वरः ।  
गुरुःसाक्षात् परब्रह्म  
तस्मै श्रीगुरवे नमः ॥



Volume: 02, Issue: 02

July-2019



## From Principal's Desk

The Department of Electrical and Electronics Engineering was formed with the primary objective of providing world class education in the field of Electrical Engineering, while addressing the problems of today and tomorrow. Right from its inception, the department has been offering excellent infrastructural facilities with a variety of computing platforms to aspiring professional students to meet the burgeoning demands of the industry. The strength of the department lies in the experienced faculty and highly motivated students who understand the dynamics of the industry and hone their skills accordingly.

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

**PRINCIPAL**

## From HOD's Desk

The Department has traditional and modern laboratories such as Machines Lab, Power System Simulation Lab, Circuits and simulation Lab, Microcontroller Lab and Power Electronics lab, Control Systems Lab and Electrical Measurements Lab. The Department is engaged in research activities, mainly in Power System and Power Electronics. The department strives to provide a conductive environment for the students to develop analytical and practical skills and apply them to real world problems. To motivate the students the department organizes regular training in state of art software & hardware, arranges workshop and student symposiums periodically. The department Newsletter will definitely help to show-case the activities that are happening in our department. It provides a platform for exposing the merits and academic achievements of the faculty and students. This would definitely create an impact in the minds of readers, by way of providing larger visibility and dimension to the department. Happy Reading.

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

**Professor & HOD**

## From Faculty Adviser's Desk

I would like to appreciate the effort of each and every individual connected directly or indirectly to the EEE Newsletter. I would also like to thank all the readers of the newsletter. Without their support and appreciations, it would not have been possible to continue the newsletter. We are trying our best to make the newsletter informative and attractive. If there is any suggestion or query or anything else, please do email us. Your feedback will help us in further improvement of the newsletter. I am very much thankful to the student news letter editors Ms. Peramsetty Mounika (III Year) and Ms. Kanaparthi Vineesha (IV Year).

**- Gowtham Chendra, Assistant Professor**

As millions of Indians grieve the demise of a Great visionary Dr. A.P.J.Abdul Kalam, I would like to share a very interesting incident that happened in 1979 during the SLV project (first Indian Satellite Launch Vehicle) by ISRO. —Editor

Dr. A.P.J.Abdul Kalam was the Project Director of SLV mission and Prof. Satish Dhawan was the Chairman of ISRO at that time. That was the first time India was building its own rocket launch vehicle in Sri Harikota, India. After ten years of hard struggle, they were ready to launch their first experimental rocket 'Rohini Technology Payload' on August 10,1979.

The Countdown started and Dr. Abdul kalam along with six other experts monitoring the launch anxiously. When it was four minutes before the satellite launch, the computer began to go through the checklist of items that needed to be checked. One minute later, the computer program put the launch on hold; the display showed that some control components were not in order.

Everyone was stunned not knowing whether to proceed or not. The whole country was waiting for the good news.

The experts advised Dr. Abdul Kalam to go ahead with the launch and they were confident about their calculations. The decision was Dr. Kalam's to take and he decided to bypass the computer, switched to manual mode, and launched the rocket. In the first stage, everything worked fine. In the second stage, a problem developed. Instead of the satellite going into orbit, the whole rocket system plunged into the Bay of Bengal. It was a big failure.

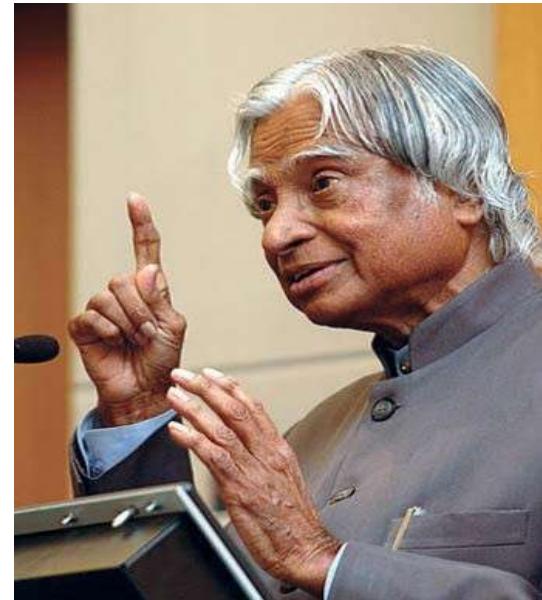
The whole world media was waiting for the press meet curious to know what had happened. Dr. Kalam was very frightened to face the media and answer their criticism of wasting millions of people's money.

Prof. Satish Dhawan, the chairman of ISRO took Dr. Kalam to the press meet and made him sit aside and he took the blame for the team's failure and said "We failed! But I have a very good trust in my team that next time we will be succeeding for sure" and made everyone to believe in the team.

Next year, 18 July 1980, the same team led by Dr. Kalam successfully launched Rohini RS-1 into the orbit! The whole country was proud and cheering for the success of the launch.

Prof. Satish Dhawan congratulated Dr.Kalam and the team and asked Dr. Kalam to conduct the press conference that day!

The rest is History as we know it. Dr. Kalam led many more successful launches and became the 'Missile man' of India. This would not have happened without what Prof. Satish Dhawan did on the day of Failure!



# Faculty Corner



## **Paper Publications:**

- CH. Lenin Babu, C. Gowtham, Dr. Shaik Rafi Kiran, "A Control Scheme of a Multilevel Inverter for Integration of Solar Energy Systems in Coordination to the Utility Grid", IJMTE (UGC Approved Journal), ISSN: 2249-7455, Vol. 9, Issue 4, April-2019, PP: 4748-4757.

## **Conferences attended:**

- Mr. Ch Lenin Babu Presented paper entitled "Voltage disturbance mitigation in distribution system using FM-DQ control based DVR" in second international conference on Cognitive Informatics and Soft Computing (ICCISC-2019), SPRINGER AISC series organized by AITS, Rajampet. **Awarded with Best Paper.**
- Mr. VGT Rakesh, G Dilli Babu presented a paper on "Remote HART Wireless Technology in Automatic Controlling the output Variable" in NCAME-2018 on January 24<sup>th</sup> -25<sup>th</sup>, 2019 organized by SVEW, Tirupati.
- Dr. P Selavaraj Published Paper in National conference on Advancements in Microwave Engg NCAME-2K18 organized by Dept of ECE,SVEW on January 24<sup>th</sup>-25<sup>th</sup>, 2019.
- Gowtham Chendra, G Hanumantha Reddy, MV Bramhananda Reddy and K Prathibha Presented a paper on "Cascaded dual buck converter with reduced number of Inductors" in NCAME-2018 on January 24<sup>th</sup> -25<sup>th</sup>, 2019 organized by SVEW, Tirupati.

## **Others:**

- Dr. P Selvaraj, Professor Attended one day National Level Workshop on Recent Trends in solar Energy systems on 25-01-2019 at Sri Ranganathar Institute of Engineering and Technology organized by Department of EEE .
- Dr. P Selvaraj, Professor Participated in one day workshop on "Intellectual Property Rights & Patterns" held on March 30, 2019 at SV college of Engineering, Tirupati
- Dr. P Selvaraj, Professor Delivered guest Lecture on "Recent Power Converter Topologies for Renewable Energy Systems " for EEE students on 26-04-2019 at SVR Engineering College, Nandyal, Kurnool (Dt) AP
- Mr. Gowtham Chendra, Assistant Professor completed course on LabVIEW with the title of "Certified LabVIEW Associate Developer (CLAD)" from National Instruments. (Validity of Certification: June 03<sup>rd</sup>, 2019 to 02<sup>nd</sup> June, 2021).
- Mr. Ch Lenin Babu, Mr. G Dilli Babu, Mr. VGT Rakesh, Assistant Professor, participated in FDP on "Graphical System Design using LabVIEW" held on 27.06.2019 to 29.06.2019 organized by SVEC, Tirupati.
- Mr. Gowtham Chendra, Assistant Professor, resource person in FDP on "Graphical System Design using LabVIEW" held on 27.06.2019 to 29.06.2019 organized by SVEC, Tirupati.

- Mr. MV Bramhananda Reddy, Assistant Professor completed NPTEL online course titled “Electrical Vehicles Part-1” during Feb-Mar 2019 and stood in **Top 5% (SILVER)**.
- Dr. P Selvaraj, Assistant Professor, completed NPTEL online certification course titled “Fundamentals of Electronic Materials and Devices” during Feb-Mar 2019 and stood in **Top 5% (SILVER)**.
- Mr. Gowtham Chendra, Assistant Professor, completed NPTEL online certification course titled “Electrical Vehicles Part-1” during Feb-Mar 2019 with ELITE.
- Mr. G Hanumantha Reddy, Assistant Professor, completed NPTEL online certification course titled “Electrical Vehicles Part-1” during Feb-Mar 2019 with ELITE.
- Mr. JT Ramalingeswar, Assistant Professor, completed NPTEL online certification course titled “Electrical Vehicles Part-1” during Feb-Mar 2019 with ELITE.
- Mr. CH Lenin Babu, Assistant Professor, completed NPTEL online certification course titled “Electrical Vehicles Part-1” during Feb-Mar 2019.

## STUDENT PARTICIPATIONS

- K Supriya, K Gowthami, K Nirmala, M Sneha, G Thejitha, A Bindevi participated in workshop titled “Artificial intelligence and Machine Learning” conducted by TIRUTSAVA'19 of IIT-Tirupati held on 02-02-2019 & 03-02-2019.
- D Sreenija, A Bhargavi, D Bindu Priya, A Johana, participated in workshop titled “Cyborg of Embedded world-IR Sensor based Autonomous Robotics” conducted by ECLECTIQUE-2K19 of JNTUK,Vizianagaram held on 11-02-2019 & 12-02-2019
- S Akhila participated in two day workshop on “Mini Robot” organized by MITS, Madanapalli held on 15-02-2019 & 16-02-2019.
- K Supriya has participated in Poster Presentation entitled “Wireless Power Transmission” conducted by AMPLE 2k19 of SV Colleges, Tirupati on 15<sup>th</sup> & 16<sup>th</sup> February 2019.
- K Supriya has participated in CIRCUITRIX conducted by AMPLE 2k19 of SV Colleges, Tirupati, she has been awarded **II prize** on 15<sup>th</sup> & 16<sup>th</sup> February 2019.
- N Pooja, K Supriya, K Nirmala, K Gowthami has participated in TECHNICAL QUIZ conducted by AMPLE 2k19 of SV Colleges, Tirupati on 15<sup>th</sup> & 16<sup>th</sup> February 2019.
- K Supriya, K Mythili, B Lakshmi Prasanna, K Gowthami, K Nirmala has participated in PUZZLE SOLVING conducted by AMPLE 2k19 of SV Colleges, Tirupati on 15<sup>th</sup> & 16<sup>th</sup> February 2019.
- D Neeharika, C Kundana, K Sneha, K Bindu, K Mythili, C Jyothy has participated in MATLAB workshop conducted by AMPLE 2k19 of SV Colleges, Tirupati on 15<sup>th</sup> & 16<sup>th</sup> February 2019.
- A Bindevi organized technical quiz in AMPLE 2k19 at SV Colleges, Tirupati on 15<sup>th</sup> & 16<sup>th</sup> February 2019.

## STUDENT PARTICIPATIONS

- K Aruna, A Gnana Prasuna presented a paper at ECLATECS 2K19 of JNTUA College of Engineering, Kalikiri held on 20<sup>th</sup> and 21<sup>st</sup> February, 2019.
- Nagaram Chamanathi, P Shalini Priya, S Kavya has participated in A two day national level workshop on “PCB Design” conducted by ECLATECS 2K19 of JNTUA College of Engineering, Kalikiri held on 20<sup>th</sup> and 21<sup>st</sup> February, 2019.
- M Sneha has participated in the event paper presentation organized by Siddharth Quest 2K9 of SIET, Puttur on 02<sup>nd</sup> March, 2019. She has awarded with **III Prize**.
- M Sneha has participated in the event technical quiz organized by Siddharth Quest 2K9 of SIET, Puttur on 02<sup>nd</sup> March, 2019.
- A Bhargavi has participated in the event paper presentation entitled “Green Technology and Renewable Resources” Conducted by Avishkar 2019 of Sree Rama Engineering and MBA Colleges, Tirupati on 09<sup>th</sup> March, 2019..
- A Bhargavi has participated in the event quiz conducted by Avishkar 2019 of Sree Rama Engineering and MBA Colleges, Tirupati on 09<sup>th</sup> March, 2019.
- M Sneha has participated in the event paper presentation entitled “Gas Insulated Transmission Lines” Conducted by Avishkar 2019 of Sree Rama Engineering and MBA Colleges, Tirupati on 09<sup>th</sup> March, 2019.
- A Bhargavi has participated in the event paper presentation entitled “Electric Vehicles” Conducted by Virinchi 2k19 of Sri Padmavathi Mahila Visvavidyalayam, Tirupati held on 9<sup>th</sup> and 10<sup>th</sup> March, 2019.
- 50 Students of III EEE had participated in workshop on “Transformer Design” in E-Blaze2k19 of SV university College of Engineering, Tirupati held on 22<sup>nd</sup> and 23<sup>rd</sup> March, 2019.





# Student Corner

## Results and Toppers

### **I B.Tech I 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	90.88
2	189E1A0216	GANJIKUNTA SAI HIMANYA	87.25
3	189E1A0264	SREERANGAPPAGARI NAYANA	86.13
4	189E1A0224	JEPITI JYOTHY	84.25
5	189E1A0262	SETTI SOWMYA	83.00

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

Total students registered	: 116
Total students passed	: 89
Pass Percentage	: 76.72%

### **List of Toppers**

S.No.	Roll Number	Name of the Student	%
1	179E1A0233	KANNEPPAGARI SUPRIYA	90.50
2	179E1A0242	KUNDANA CHINTHA-	88.88
3	179E1A0238	KOLLU SAI DEEPA	87.63
4	179E1A0248	MADHARA JASHNAVI	87.50
5	179E1A0299	YELLAMARAJU JYOTHI	87.00

### **III B.Tech I Semester**

Total students registered	: 119
Total students passed	: 69
Pass Percentage	: 57.98%

### **List of Toppers**

S.No.	Roll Number	Name of the Student	%
1	169E1A0286	R NIREESHA	85.50
2	169E1A0283	PERAMSETTY MOUNIKA	83.50
3	169E1A0202	A V N BHAVYASREE	81.63
4	169E1A0260	MADHAVARAM VANI	81.25
5	169E1A0294	SANNAPA RAMYA GEETHI-	80.38

### **IV B.Tech I Semester**

Total students registered	: 123
Total students passed	: 93
Pass Percentage	: 75.61%

### **List of Toppers**

S.No.	Roll Number	Name of the Student	%
1	159E1A0242	KANAPARTHI VINEETHA	87.00
2	159E1A0205	ALLAM GNANA PRASANNA	85.63
3	159E1A0265	N HARIKA	85.63
4	159E1A0202	A SUSHMITHA	85.13
5	169E5A0216	POTUGARI DEEPIKA	83.88

# Events Organized



A Seminar on  
"Career Counseling & Advantages of  
Studying in Abroad"  
on January 11, 2019 by  
Mr. M Vishnu Vardhan Reddy,  
MS, Germany

**A Guest lecture report on  
"Overview of an EHT  
Substation"**  
by  
**Sri. S.V.Mahesh Babu,  
DEE, 220KV Substation  
Renigunta, AP.Transco  
on February 02, 2019.**



**A Guest lecture report on  
"Power Grid Concepts "**  
by  
**Sri. S.V.Mahesh Babu,  
DEE, 220KV Substation  
Renigunta, AP.Transco  
on February 02, 2019.**

**A Lecture on  
“New Product Development”**

by

**Dr. P.V.Rajagopal**

(General Manager (retired)/BHEL,  
Corporate R&D, Hyderabad) held  
on February 25, 2019.



*Happy  
Learning*

**An industrial visit for II EEE Students to Rayalaseema Thermal Power Plant (RTPP) is organized on March 23, 2019.**



**A Seminar on  
“Informative & Motivational Sessions on  
Campus GATE Training”**

by

**Sri. K. Sathish, (Technical Manager),  
LEAD Institute of Academics, Tirupati on  
27<sup>th</sup>, March 2019 for II & III EEE Students.**





An industrial visit for III EEE Students Sri Damodaram Sanjeevaiah Thermal Power Station is organized on April 02, 2019



EEE Department Technical Association



ELITE – 2K19  
Valedictory Function on April 27, 2019.

THANKS TO ALL TEACHING AND NON TEACHING STAFF &  
STUDENT COORDINATOR FOR THE SUPPORT

## 2015-19 Batch Students



Though we are sad to bid you farewell and you will be dearly missed. But we are also happy for you since there are bright opportunities waiting for you ahead.  
**"Best wishes for your future"**