



**SREENIVASA INSTITUTE of TECHNOLOGY and MANAGEMENT STUDIES,  
CHITTOOR (Autonomous)  
DEPARTMENT OF EEE**

S.No	Name of the Event	Title	Date	Resource person	No of student attended
1	Two days Wok shop	Real Time Control Circuit Design for Electrical Applications	07.02.2022 to 08.02.2022	Mr. J. Samuel Nelson Sr.R&D Engineer from JSK Lab Instruments	120
2	Webinar	Smart Grid Technologies	25.01.2022	Dr. NMG Kumar, Professor, Department of EEE, SreeVidyanikethan Engineering College, Tirupati	120
3.	Guest Lecture	Power electronics Simulation using MATLAB	09.03.2022	Dr. P. Elangovan, HOD EEE,SRM TRP Engineering College, Irungalur, Tiruchirapalli District, Tamil Nadu,	100
4.	Seminar	Electric Vehicles	23.02.2022	Dr. I. Prabhakar Reddy, professor, NBKR Institute of Science and Technology	90
5.	Hands On Training	Embedded and IOT Applications	22.11.2021 and 23.11.2021	Mr. K.S. Kavin, R&D Engineer, AB technologies Private Limited, Chennai	100
6.	Industrial Visit	Substation	10.11.2021	220 KV Substation, 3MW Solar PV Power Plant, Kalikiri, Chittoor, A.P	55
7.	National conference	National Level One day Conference on Recent trends in Engineering and Technology	25.11.2021	Er. K.S..Kavin, R&D Engineer, AB technologies Private Limited, Chennai	100
8.	FDP	Solar Energy Conversion	18.02.2022	Dr. G. Venkateswarlu, Professor, Narayana Engineering College, Nellore	30
9.	Department Association Activities	Quiz	02.02.2022	Dr. V. Maheswari HOD-EEE SITAMS	15
10.		Group Discussion	12.02.2022		12
11.		Circuit Debugging	31.01.2022		9
12.		Seminar presentation	10.01.2022		30



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**BRIEF REPORT ON WORKSHOP**

A Two Day workshop on the topic “Real Time Control Circuit Design for Electrical Applications” was organized by the Department of EEE on 07-02-2022 to 08-2-2022.

In the beginning of the Workshop Dr. P. Ramesh Kumar, Principal invited the guest and discussed in brief about the necessity of the workshops for engineering students. He also addressed that it works as a catalyst for bridging gap between institutions as well as colleges and Universities to promote and transfer technology for the betterment of society.

After that Dr. V. Maheswari, HOD EEE illustrated about the various activities run by the Department of EEE like Seminars, Workshops, and Conferences etc. She introduced the guest from JSK Lab Instruments and also discussed about the importance of awareness on latest technologies in day-to-day life for teachers as well as for students.

The Trainer Mr. J. Samuel Nelson Sr.R&D Engineer from JSK Lab Instruments, Chennai gave a presentation on “Control Circuit Design” and its various Day-to-Day Applications in all electrical systems and General applications like Household appliances for combing purpose and for all electrical appliances. He also explained about how this tool is very helpful for the graduates to carry out their project works in real time systems.

After that, questions and interaction session were held in which students and faculty also got clarified their doubts regarding the topic from the guest.

The Workshop was ended by Vote of Thanks given by Dr. R. Suresh, Associate Professor, Dept. of EEE. In the workshop 120 Faculty, Students and Academicians have participated.



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**Participants in the workshop on “Real Time Control Circuit Design for Electrical  
Applications”**





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**BRIEF REPORT ON WEBINAR**

A Webinar on the topic “Smart Grid Technologies” was organized by the Department of EEE on 25-01-2022.

In the beginning of the Webinar Dr. P. Ramesh Kumar, Principal invited the guest and discussed in brief about the necessity of the webinars in this COVID pandemic situation and utilize the online presentation platform for organizing the seminars. He also addressed that it works as a catalyst for bridging gap between institutions as well as colleges and Universities to promote and transfer technology for the betterment of society.

After that Dr. V. Maheswari, HOD EEE illustrated about the various activities run by the Department of EEE like Guest lectures, Seminars, Workshops, Conferences etc. She introduced the invited speaker and also discussed about the importance of awareness on latest technologies in day-to-day life for teachers as well as for students.

The invited speaker Dr. N.M.G. Kumar, Professor, Department of EEE, Sree Vidyanikethan Engineering College, Tirupati gave a presentation on Smart Grid Technologies. He explained how to apply these techniques for appending Power System energy efficiency and for saving energy consumption. He illustrated very useful information regarding various methods of interconnected generations available and their importance in achieving the energy economics. He also explained about how these tools are very helpful for the graduates to carry out their project works in real time systems.

After that, questions and interaction session were held in which students and faculty also got clarified their doubts regarding the topic from the guest.

The Webinar was ended by Vote of Thanks given by Dr. R Suresh, Associate professor, Dept. of EEE. In the Webinar 120 Faculty, Students and Academicians have participated.



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**Participants attending the Webinar on “Smart Grid Technologies”**

 k. vamsi(21755A0208)	 20751A0233
 ReddyKavya K,229	 20751A0211
 A.poornachandra	 20751A0261
 KOTHAPALLI LOKESHWAR ...	 YENUGA LAVANYA Y ...
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**GUEST LECTURE**

Electrical and Electronics Engineering department of SITAMS has organized a guest lecture on “Power electronics Simulation using MATLAB” for the students of Third year and Final Year by Dr. P. Elangovan, HOD EEE, SRM TRP Engineering College, Irungalur, Tiruchirapalli District, Tamil Nadu on 9th March 2022 from 10:00 AM to 12:00 PM in Gallery.

In the beginning of the lecture Dr. M. Saravanan, Principal invited the guest. After that Dr. V. Maheswari, HOD EEE illustrated about the various activities run by the Department of EEE like Seminars, Workshops, and Conferences etc. She introduced the invited speaker and also discussed about the importance of awareness on latest technologies in day-to-day life for faculty as well as for students.



The lecture was ended by Vote of Thanks given by Mr. H. Balamurugan, Assistant professor, Dept. of EEE.



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**SEMINAR**

Electrical and Electronics Engineering department of SITAMS has organized a Seminar on “Electric Vehicles” for the students of Third year and Final Year by Dr. I. Prabhakar Reddy, professor, NBKR Institute of Science and Technology, Vidyanagar on 23<sup>rd</sup> February 2022 from 10:30 AM to 12:00 PM in Gallery.

In the beginning of the lecture Dr. P. Ramesh Kumar, Principal invited the guest. After that Dr. V. Maheswari, HOD EEE illustrated about the various activities run by the Department of EEE like Seminars, Workshops, Conferences etc. She introduced the invited speaker and also discussed about the importance of awareness on latest technologies in day-to-day life for faculty as well as for students.



The lecture was ended by Vote of Thanks given by Ms. P. Roja, Assistant professor, Dept. of EEE.



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**HANDS ON TRAINING**

The Department of Electrical and Electronics Engineering Conducted a two days Hands on training on Embedded and IOT Applications by Mr. K.S. Kavin, R&D Engineer, AB technologies Private Limited, Chennai on 22-11-2021 and 23-11-2021. The Hands-on training was inaugurated by Dr. P. Rameshkumar, Principal, SITAMS. Dr. V. Maheswari HOD-EEE honored the Chief Guest and gave a brief introduction about chief guest and explained about the importance of Hands-on Training.

On the first day Resource Person Mr. K.S. Kavin was delivered the lecture on the students to the fundamental requirements of Embedded Systems and the interaction between hardware and software in such systems like Microprocessor, Microcontroller, GSM modules and IOT based applications.

On the Second day the students will be exposed to the very important issue of designing for less power consumption and introduce them techniques that are adopted to this end. The students were trained on Programming of PIC, DSPIC microcontroller using MP LAB X IDE, ARDUINO microcontroller, IOT based real time and innovative applications development, Interfacing of GSM Communication and GPS topologies, interfacing of sensors, electronics relays to the embedded processor and Interfacing of motor control applications.

The Purpose of the Hands-on training was to enhance the knowledge and provide deeper insights in the field of Embedded systems. The Hands-on training mainly fill the technology gap between Institution and Companies.



At the end of the session the question and interaction session were held in which students and faculty also got clarified their doubts regarding the topic from the resource person.

The Hands-on training was ended by vote of thanks given by Dr. R. Suresh, Associate Professor, EEE. Through training 100 Students got benefited.



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**BRIEF REPORT INDUSTRIAL VISIT**

The Department of Electrical & Electronics Engineering, Sreenivasa Institute of Technology & Management Studies, Chittoor was organized an industrial visit to 220KV, Substation & 3MW Solar PV Power Plant, Kalikiri, Chittoor, A.P. on 10<sup>th</sup> November 2021 for Second year B.Tech. (EEE) students. An Industrial Visit was organized and got permission under the guidance of Head of the Department Dr. V. Maheswari. Industrial visit was coordinated by Mr. K. Gunavardhan Asst.Prof. and Mrs. C.L. Sravanthi Asst.Prof. Students of 2<sup>nd</sup> Year were taken to visit a 220KV, Substation & 3MW Solar PV Power Plant, Kalikiri, Chittoor, A.P. Mrs. C.L. Sravanthi Asst.Prof and Mr. K. Gunavardhan Asst.Prof explained about safety rules must follow the students during the visit in Sub-station.

Assistant Divisional Engineer (MRT) was given Permission for Industrial visit to the substation & demonstrated lecture the following topics covered for Industrial visit and explained about single line diagram of the substation and the various types of equipment. The following equipment's have been discussed, Lighting arrester, corona ring, capacitor voltage transformer, wave trap (which is used for communication purpose), bus bars, isolators, current transformer and circuit breakers. Interconnected transformers (auto transformer), potential transformer. Next, ADE sir was permitted the students to Switchyard and explained the above mentioned equipments practically by showing equipments. ADE sir was allowed the students to visit control panel room and explained about relay system auto reclosing system and control of substation by using real-time software like ETAP, MIPOWER etc.



They visited the Kalikiri substation to gain exposure on the functioning of a real time substation and various equipments. This Industrial Visit helped the students to attain a better understanding of concepts of power generation, transmission and distribution.



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**BRIEF REPORT NATIONAL CONFERENCE**

The Department of Electrical and Electronics Engineering was conducted a National Level One day Conference on Recent trends in Engineering and Technology on 25<sup>th</sup> November 2021. In the beginning of the conference Dr. P. Rameshkumar, Principal invite the guest, judges, students, Researchers and discussed in brief about the necessity of the conference in this COVID pandemic situation and utilize the presentation platform for organizing the conference. He also addressed that it works as a catalyst for bridging gap between institutions as well as colleges and universities to promote and transfer technology for the betterment of society. After that Dr. V. Maheswari HOD EEE illustrated about the various activities run by the Department of EEE like workshop, seminars, Hands on training, Quiz, Circuit debugging, Group Discussion, Project Expo etc. She introduced the invited speaker Er. K.S..Kavin, R&D Engineer, AB technologies Private Limited, Chennai and also discussed about the importance of awareness on latest technologies in day-to-day life for faculties as well as students. The Primary goal of the conference is to promote research and development activities in Research Advances in Engineering and Technology. The Conference is also aimed at promoting scientific information interchange between researchers, developers, engineers, students, and practitioners working in diversified areas around the globe.

The objective is to present the latest research trends and results of engineers and scientists (preferred students, post graduate students, Faculty, Research Scholars and post-doc scientists) related to Electrical and Electronics Engineering.

The Conference will feature online paper presentations as well as keynote speeches by prominent speakers who will focus on state-of –the –art technologies in the areas of the conference. The Conference will be held every year to make it an ideal platform for people to share their views and experience in Power Quality issues and challenges related areas like Smart Technologies in Harmonics, Voltage sag and swell, Electric vehicle, Renewable Energy and Smart Grid.

This Conference leads to the establishment of industry institute interaction in developing innovative applications and to improve the curriculum development process and quality of teaching. After that, questions and interaction session was held in which students and faculty also got clarified their doubts regarding the online paper presentations from the students. The e-Conference was ended by Vote of thanks by Dr. R. Suresh, Assoc. Prof. Dept. of EEE. In the conference 100 Faculty, Students, Academicians and Researchers have participated.



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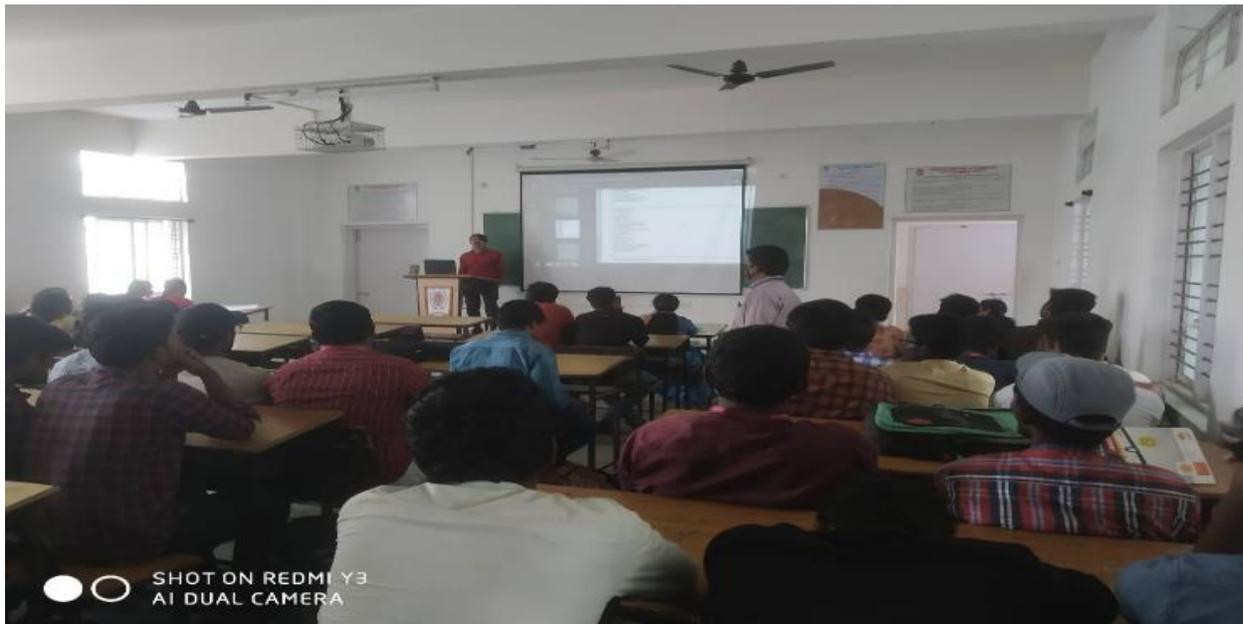


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**BRIEF REPORT ON FACULTY DEVELOPMENT PROGRAM**

Electrical and Electronics Engineering department of SITAMS has organized a FDP on “Solar Energy Conversion” for the Electrical faculty by Dr. G. Venkateswarlu, Professor, Narayana Engineering College, Nellore on 18<sup>th</sup> February 2022 from 10:00 AM to 4:00 PM in Gallery.

In the beginning of the program Dr. P. Ramesh Kumar, Principal invited the guest. After that Dr. V. Maheswari, HOD EEE illustrated about the various activities run by the Department of EEE like Seminars, Workshops, Conferences etc. She introduced the invited speaker and also discussed about the importance of awareness on latest technologies in day-to-day life for faculty. 36 Faculty members was attended the programme



The FDP was ended by Vote of Thanks by Mrs. C.L. Sravanthi, Assistant professor, Dept. of EEE.



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Department Association Activity  
Quiz Competition

Venue: Control Systems Lab

Date: 02.02.2022

The department of Electrical and Electronics Engineering of Sreenivasa Institute of Technology And Management Studies has organized a Quiz competition for the students of II B.Tech. I Sem. under the Department association activity.

The competition has been divided into 3 equal rounds with 10 questions each. Round 1 was a technical round which comprises of basic questions related to electrical engineering. Round 2 was a General Knowledge (GK) round. Round 3 was structured nicely to analyze the ability of students towards the logical and verbal reasoning. Cash prize for the winners of the competition was announced in order to encourage the students.



Mr. H. Balamurugan Asst. Prof. and Mrs. C.L. Sravanthi Asst. Prof. were appointed as faculty incharges and Ms. B. Yamuna and Mr. V. Bharathkumar of II B.Tech. were acted as student coordinators for the smooth conduction of the event. Total number of teams participated in the competition is 5 and number of persons (team strength) in each team is 3 in the Quiz competition

Ms. M. Deepika Varma, Ms. J. Bhavya, Ms. U. Lasya, who were in Team A, has got 25 out of 30 and stood in first place and Mr. D. Prudhvi Krishna, Mr. D. Vishnuvardhan, Mr. K. Govardhan who were in Team C, has secured 22 out of 30 and obtained the second position.

Dr. V. Maheswari HOD/EEE, has distributed the prizes for the winners of first two places and encouraged the participants and the other student members of the association.



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**Department Association Activity  
Group Discussion**

Venue: Control Systems Lab

Date: 12.02.2022

The department of Electrical and Electronics Engineering of Sreenivasa Institute of Technology And Management Studies has organized a group discussion for the students of II B.Tech. I Sem. under the Department association activity.

The topic selected for the group discussion is “Whether digital education has taken over traditional education”. In detail, their own merits and demerits, benefits of digital education during the pandemic, moral and ethical values lost by the students during pandemic etc. were discussed by the student groups elaborately. Cash prize for the winners was announced in order to encourage the students.



Mr. K. Gunavardhan Asst. Prof. and Mr. H. Balamurugan Asst. Prof. were appointed as faculty incharges and Ms. K. Mythili and Mr. P. Yogesh of II B.Tech. were acted as student coordinators for the smooth conduction of the event. Total number of students in the group for the discussion is 12.

Mr. S. Mohammad Hassain, who had started and given the nice points related to the topic in a group, has got 8 out of 10 has declared as the winner by the judges and the runner up in the group was Ms. M. Mounisha, who scored 6 out of 10.

Dr. V. Maheswari HOD/EEE, has distributed the prizes for the winner and runner up of the group and encouraged the participants and the other student members of the association.



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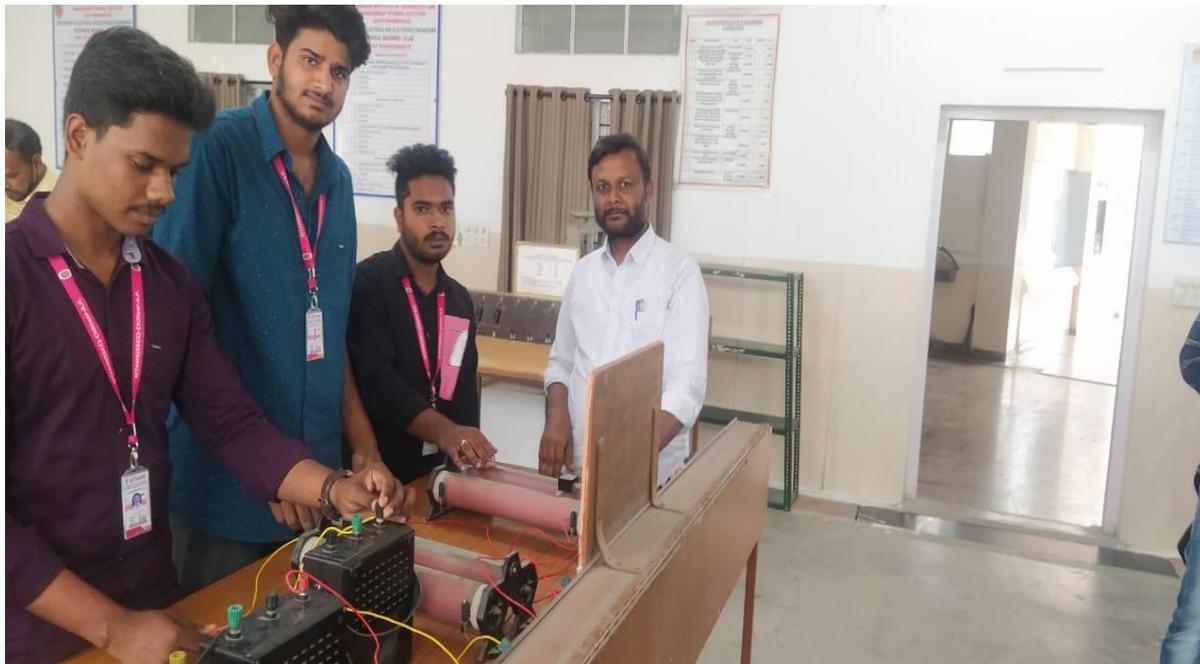
Department Association Activity  
Circuit Debugging Competition

Venue: Electrical Machines Lab

Date: 31.01.2022

The department of Electrical and Electronics Engineering of Sreenivasa Institute of Technology And Management Studies has organized a circuit debugging competition for the students of II B.Tech. I Sem. under the Department association activity.

Cash prize for the winners was announced in order to encourage the students.



Ms. P. Roja Asst. Prof. and Mr. H. Balamurugan Asst. Prof. were appointed as faculty incharges and Mr. D. Mohan and Ms. K. Reddy Kavya of II B.Tech. were acted as student coordinators for the smooth conduction of the event. Total number of students participated in the event is 9.

Mr. K. Govardhan, who has identified the bug correctly within the given time was declared as the winner by the judges and the runner up is awarded to Ms. M. Kusuma, who completed her task at the second position.

Dr. V. Maheswari HOD/EEE, has distributed the prizes for the winner and runner up for the circuit debugging competition and encouraged the participants and the other student members of the association.



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Department Association Activity  
Seminar Presentation

Venue: II EEE class room

Date: 10.01.2022

The department of Electrical and Electronics Engineering of Sreenivasa Institute of Technology And Management Studies has organized a Seminar presentation for the students of II B.Tech. I Sem. under the Department association activity.

The students had given with the choice of selecting the topic on their own, but related to current technical scenario. The stipulated time limit is 15 min. Cash prize for the winners of the competition was announced in order to encourage the students.



Mr. H. Balamurugan Asst. Prof. and Ms. P. Roja Asst. Prof. were appointed as faculty incharges and Ms. K. Mythili and Mr. D. Mohan of II B.Tech. were acted as student coordinators for the smooth conduction of the event. Total number of teams participated in the competition is 15 and number of persons (team strength) in each team is 2.

Ms. M. Deepika Varma, Ms. J. Bhavya, who were in Team 11, and presented a seminar on Wave energy converter has awarded 18 out of 20 and stood in first place and Mr. D. Vishnuvardhan, Mr. K. Govardhan who were in Team 8, and presented a seminar on Micro-power generator has secured 17 out of 20 and obtained the second position.

Dr. V. Maheswari HOD/EEE, has distributed the prizes for the winners of first two places and encouraged the participants and the other student members of the association.