

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES.****(AUTONOMOUS)****DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

S.No.	Name of the Event	Title	Date(s)	Resource Person	No. of Students attended
1	Three-Days Workshop	Design of Drones	22-03-2021 to 24-03-2021	Dr.S.P.V. Subba Rao, SNIST, Hyderabad	120 Faculty and students
2	Webinar	Soft Computing Techniques	25-07-2021	Dr.G.V. Marutheswar, Professor, SV University, Tirupati.	100 Faculty and Students
3	Guest Lecture	Evolution of Electricity	29-12-2021	Mr.M.Sunil Kumar, ADE, APTRANSCO, Vepanjeri	100 Faculty and Students
4	Seminar	Smart Grid	20-09-2021	Mr.S.Uday Bhaskar, Assoc.Professor, Audisankara	120 Faculty and Students
5	Hands On Training	ETAP and MiPower using Power System Simulation	27-07-2020 to 28-07-2020	Mr. A. Selva Kumar, R&D Engineer, KLY Systel Private Limited, Chennai	100
6	Industrial Visit	Industrial Visit for III EEE students to 400/220 kV O&M Division Substation, Mahadevamangalam, Vepanjeri, Chittoor	10-11-2020	Mr.M.Sunil Kumar, ADE, APTRANSCO, Vepanjeri	30
7	One Day National e- Conference	Recent Trends in Engineering and Technology	10-07-2020	Mr. A. Selva Kumar, R&D Engineer, KLY Systel Private Limited, Chennai	100
8	FDP	Solar Energy Conversion	18-02-2022	Dr. G.Venkateswarlu, Professor, Narayana Engineering College, Nellore	36
9	Department Association activity	Circuit Debugging Competition	02-12-2021	Dr.V.Maheswari HOD, EEE Department	5
10	Department Association activity	Quiz Competition for III and IV B.Tech students	02-11-2021	Dr.V.Maheswari HOD, EEE Department	15
11	Department Association activity	Group Discussion on "Role of Engineers in disaster Management"	02-12-2021	Dr.V.Maheswari HOD, EEE Department	12
12	Department Association activity	Seminar presentation	27-12-2021	Dr.V.Maheswari HOD, EEE Department	30
13	Department Association activity	Farewell celebration for IV EEE students	28-04-2021	Dr.V.Maheswari HOD, EEE Department	80



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BRIEF REPORT ON WORKSHOP

A Three Day workshop on the topic “Design of Drones” was organized by the Department of EEE on 22-03-2021 to 24-3-2021.

In the beginning of the Workshop Dr. P. Ramesh Kumar, Principal invited the guest and discussed in brief about the necessity of the workshops in this COVID pandemic situation and utilize the online presentation platform for organizing the workshops. 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, 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 Trainer Dr. S.P.V. Subba Rao, Professor from SNIST, Hyderabad gave a presentation on “Design of Drones” and its various Day-to-Day Applications in electrical and electronic systems and General applications like Military for combing purpose and for Aerial photography & Videography, Mapping & Surveying, Agriculture etc. He also explained about how this tools is very helpful for the graduates to carry out their project works in real time systems.

After that, questions and interaction session was 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 Mr. K.Chandra Kumar, Assistant professor, Dept. of EEE. In the Workshop 120 Faculty, Students and Academicians have participated.



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Participants attending the workshop on “Design of Drones”





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BRIEF REPORT ON WEBINAR

A Webinar on the topic “Soft Computing Techniques” was organized by the Department of EEE on 25-07-2021.

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 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. G.V. Marutheswar, Professor, Department of EEE, SVUCE, Tirupati gave a presentation on Soft computing Techniques line Fuzzy logic and Neural Networks using MATLAB Simulink. He explained how to apply these techniques for the power flow studies, FACTS controllers for obtaining desired outputs. He illustrated very useful information regarding various algorithms available and their importance in carrying out load flow studies, fault analysis, stability studies etc. 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 was held in which students and faculty also got clarified their doubts regarding the topic from the guest.

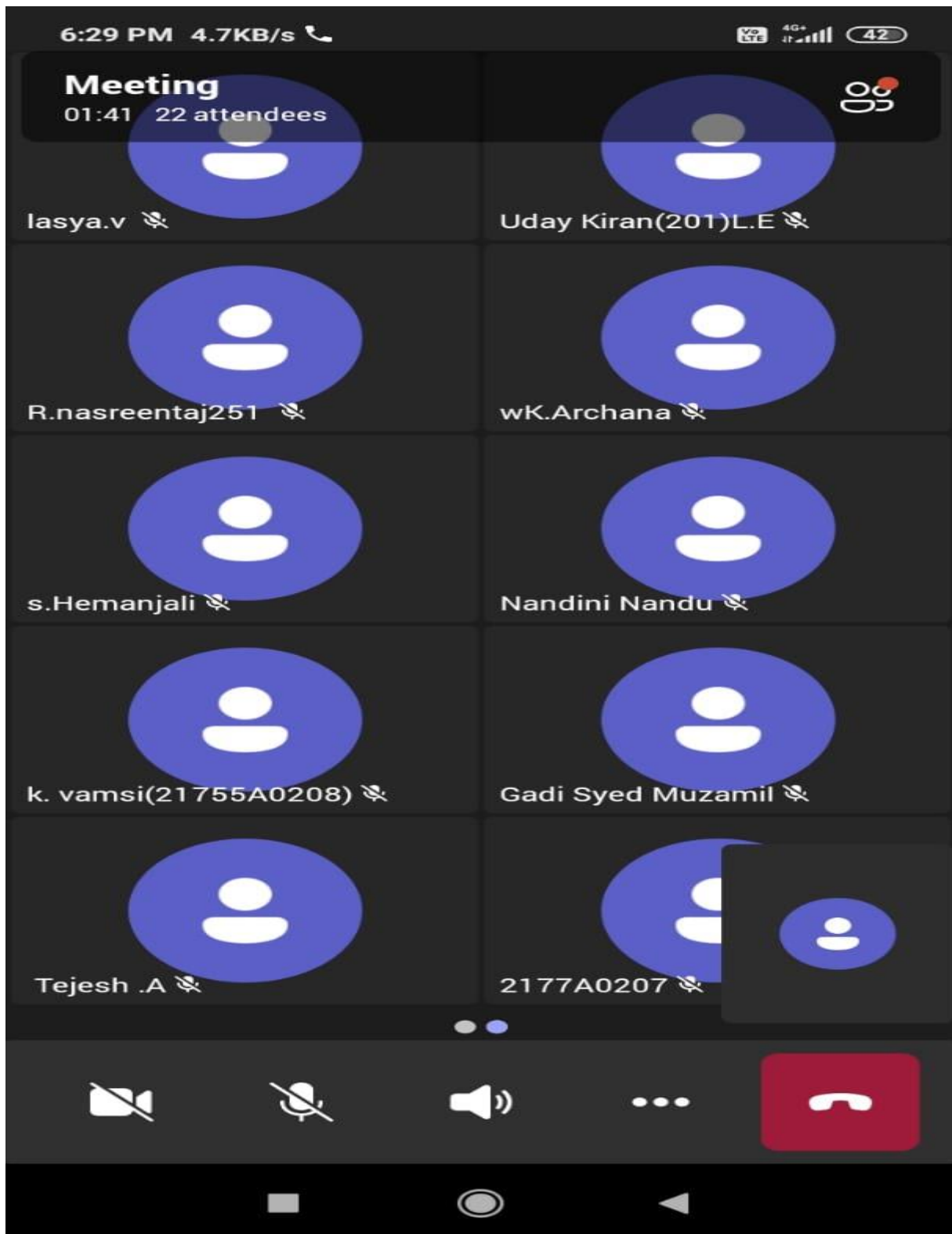
The Webinar was ended by Vote of Thanks given by Mr. K. Chandra Kumar, Assistant professor, Dept. of EEE. In the Webinar 130 Faculty, Students and Academicians have participated.



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Participants attending the Webinar on “Soft Computing Techniques”



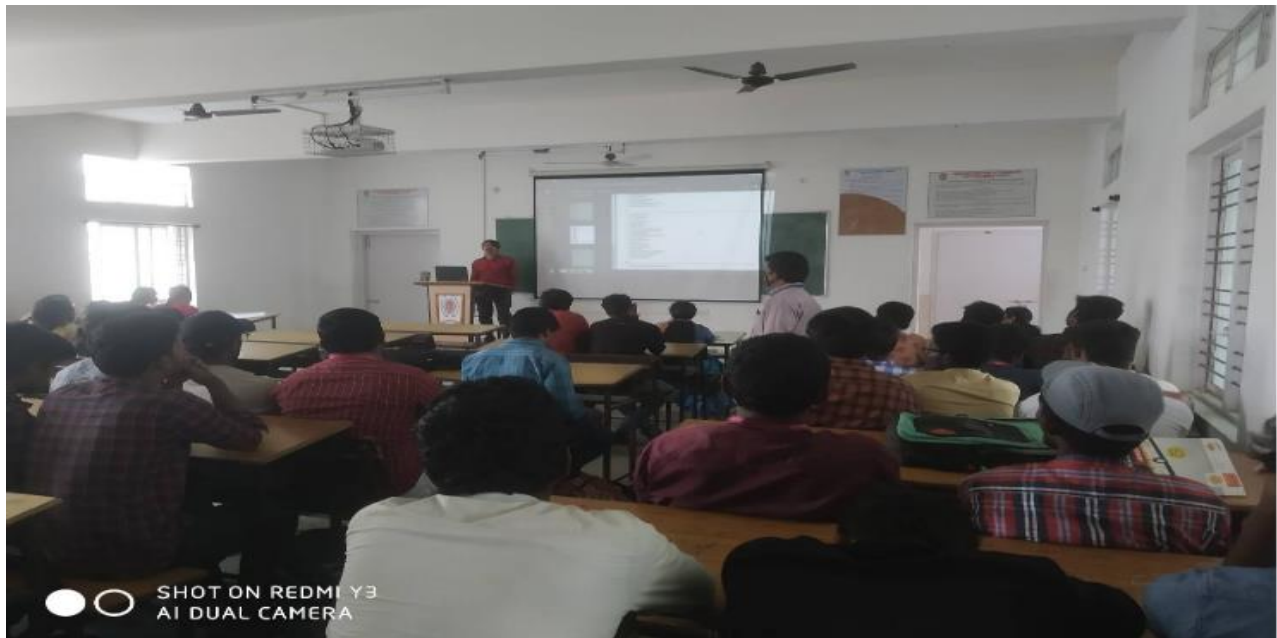


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BRIEF REPORT ON GUEST LECTURE

Electrical and Electronics Engineering department of SITAMS has organized a guest lecture on “Evolution of Electricity” for the students of Third year and Final Year by Mr.M.Sunil Kumar, Assistant Divisional Engineer OLM, APTRANSCO, APSPDCL on 29th Decemember 2021 from 10:30 AM to12:30 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 Mr. K. Chandra Kumar, Assistant professor, Dept. of EEE.



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BRIEF REPORT ON SEMINAR

Electrical and Electronics Engineering department of SITAMS has organized a Seminar on “Smart Grid” for the students of Third year and Final Year by Mr.S.uday Bhaskar, Associate professor, Audisankara College of Engg. and Technology, Guduru on 20th September 2021 from 10:30 AM to 12:30 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 Mrs. C.L Sruvanthi, Assistant professor, Dept. of EEE.



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BRIEF REPORT ON HANDS ON TRAINING

The Department of Electrical and Electronics Engineering Conducted a two days Hands on training for ETAP and MIPOWER package using Power system simulation by Mr.A.Selvakumar, R&D Engineer, KLY Systel Private Limited, Chennai on 27-07-2020 and 28-07-2020.

The Hands ontraining 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.A.Selvakumar was delivered the lecture on the students to the fundamental requirements of Power Systems and the interaction between Structure of power system, one line diagram, Symbols, E-CAD, Components of power system.

On the Second day the students will be exposed to the very important issue of designing the single line diagram using ETAP & MIPOWER Package and that are adopted to this end. The students were trained on how to use ETAP & MIPOWER for Load flow analysis, Short circuit analysis, Stability analysis, Relay coordination and Motor starting analysis.

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



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At the end of the session the question and interaction session was 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 Mr.J.SreerangaNayakulu, Asst. Professor, EEE. Through training 100 Students got benefited.



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BRIEF REPORT ON INDUSTRIAL VISIT

The Department of Electrical & Electronics Engineering, Sreenivasa Institute of Technology & Management Studies, Chittoor have been organized an industrial visit to 400/220KV O&M Division, substation- Mahadevamangalam, Vepanjeri, chittoor on 10th November 2020 for third 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. Sreeranganaykalu Asst. Prof and Mrs. C.L. Sravanthi Asst. Prof. The Students of 3rd Year were taken to visit a 400KV Substation O&M Division, Vepanjeri, Chittoor, A.P. Mrs. C.L. SRAVANTHI Asst. Prof and Mr. Sreeranganaykalu Asst. Prof explained about safety rules must follow the students during the visit in Sub-station.

Mr. SUNILKUMAR, sir Assistant Divisional Engineer (MRT), have given Permission for Industrial visit to the substation & demonstrated lecture the following topics covered for Industrial visit. Mr. Sunilkumar sir explained about single line diagram of the substation and the various types of equipments.

The following equipments 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. After Mr. Sunilkumar sir has been permitted the students to Switchyard and explained the above mentioned equipments practically by showing equipments.

Mr. Sunilkumar sir have been allowed the students to visit control panel room and explained about relay system auto reclosing system and control of sub -station by using real-time software like ETAP, MIPOWER etc. They visited the Vepanjeri substation to gain exposure on the functioning of a real time substation and various equipments.



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This Industrial Visit helped the students to attain a better understanding of concepts of power generation. They visited the Vepanjeri 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 ON NATIONAL CONFERENCE

The Department of Electrical and Electronics Engineering was conducted a National Level One day e-Conference on Recent trends in Engineering and Technology on 10th July 2020. In the beginning of the conference Dr.P.Ramesh kumar ,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 online 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 Discussuin,Project Expo etc.She introduced the invited speaker 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 Recent Trends in Engineering and Technology related areas like Smart Technogies in Electric vehicle,Renewable Energy and Smart Grid.



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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 given by Prof. Ramesh R. Halakurki, Dept. of EEE. In the conference 100 Faculty, Students, Academicians and Researchers have participated.

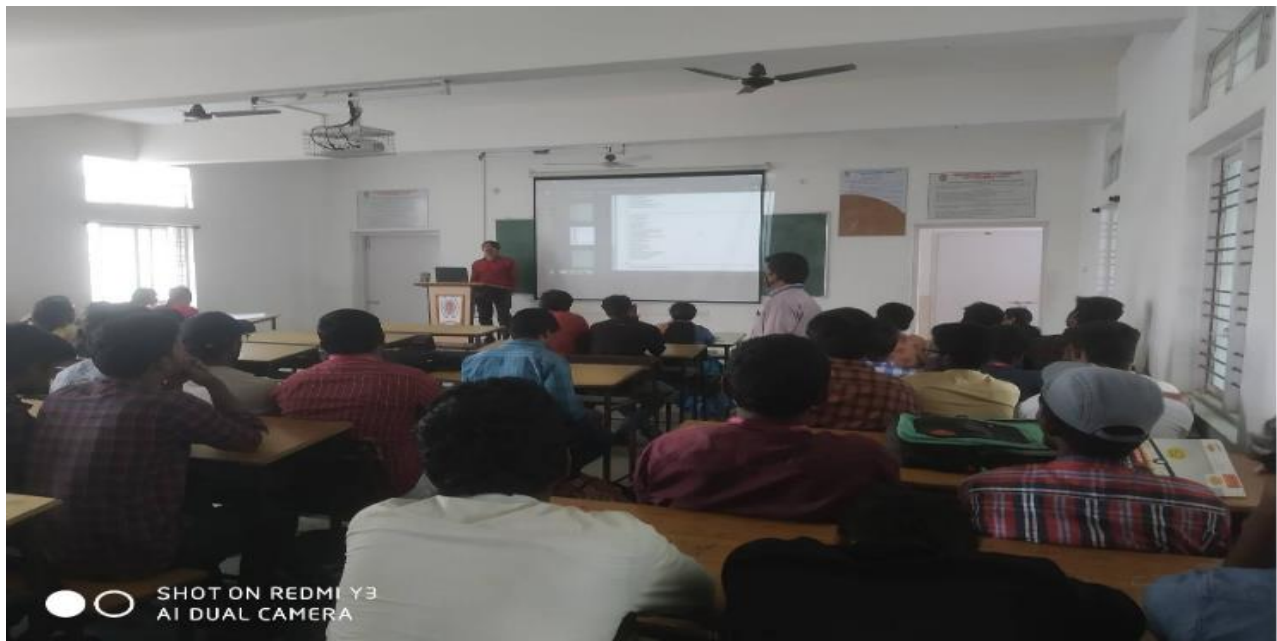


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FACULTY DEVELOPMENT PROGRAMME

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 th February 2022 from 10:00 AM to 4:00 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. 36 Faculty members were attended the programme



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



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**Department Association Activity
Circuit Debugging Competition**

Venue: Power Electronics Lab

Date: 02.12.2021

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 III B.Tech. I Sem. under the Department association activity.

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



Mr. K. Gunavardhan Asst. Prof. and Mr. Ramesh R Halakurki Assoc. Prof. were appointed as faculty incharges and Mr. D. Mahesh and Mr. K.N. Maheshbabu of III B.Tech. were acted as student coordinators for the smooth conduction of the event. Total number of students participated in the event is 6.

Ms. Y. Latha, 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 Mr. G. Dillibabu, who completed his 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
Quiz Competition

Venue: III EEE Classroom

Date: 02.11.2021

The department of Electrical and Electronics Engineering of Sreenivasa Institute of Technology And Management Studies has organized a Quiz competition for the students of III 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 analyse 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. J. Sreeranganayakulu Asst. Prof. and Mrs. C.L. Sravanthi Asst. Prof. were appointed as faculty incharges and Mr. V. Narendra and Mr. A. Poornachandra of III B.Tech. were acted as student coordinators for the smooth conduction of the event. Total number of teams participated in the competition is 6 and number of persons (team strength) in each team is 3 in the Quiz competition

Mr. G. Dillibabu, Mr. K. Kumar, Mr. M. Tharun, who were in Team B, has got 26 out of 30 and stood in first place and Ms. B. Mounika, Ms. T. Likitha, Ms. Y. Latha who were in Team E, 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: Measurements and Instrumentation Lab

Date: 02.12.2021

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

The topic selected for the group discussion is “Role of Engineers in Disaster management”. In detail, role of engineers during disaster, critical thinking mindset towards the protocol, use of latest technologies for disaster management etc. were discussed by the student groups elaborately. Cash prize for the winners was announced in order to encourage the students.



Mr. K. Chandrakumar Asst. Prof. and Mrs. C.L. Sravanthi Asst. Prof. were appointed as faculty incharges and Ms. Y. Latha and Mr. A. Ganesh Balaji of III 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 10.

Mr. A. Poornachandra, who had started and given the nice points related to the topic in a group, has got 9 out of 10 has declared as the winner by the judges and the runner up in the group was Mr. S. Masood, who scored 8 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
Seminar Presentation**

Venue: IV EEE class room

Date: 27.12.2021

The department of Electrical and Electronics Engineering of Sreenivasa Institute of Technology And Management Studies has organized a Seminar presentation for the students of IV 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.Joshna, Ms.Jayashree, who were in Team 11, and presented a seminar on Wave energy converter has awarded 20 out of 25 and stood in first place and Mr. D, Mr. Sharan 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.



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Farewell day celebration

EEE Department of SITAMS organized Farewell Party 28th April 2021 at the college Indoor Stadium, where students of B.Tech 3rd year bid farewell to the outgoing students of B.Tech final year with great enthusiasm. Function began with a floral welcome of Dr.P.Ramesh Kumar, Principal, Dr.M.Saravanan, Dean of Academics, Dr. V.Maheswari, Hod of EEE, Directors and Hods of other Departments by staff and students.

Lightning of Lamp was done by Principal, Dean & all HOD's followed by prayer song. Principal wished good luck to the final year students for their future. He also expressed his hope that students will continue holding best positions in upcoming university exams. All the seniors and juniors had filled the auditorium with colorful attires which added beauty to the event. Juniors gave a warm welcome with Red Roses followed by very entertaining group dances, solo dances and solo song performances.



Students took a break for the delicious lunch provided by the college. Conversations during the meal provided opportunities for the students to bond, plan, connect, and learn from one another. Once they were recharged, they started the fun again. The day ended by capturing memories with photo sessions. At last the auditorium was geared up with DJ filling high energies and immense pleasure among all, with the stamps of amazing memories and fun.