



ELEKTRA NEWS LETTER

DEPARTMENT OF EEE
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND
SCIENCES::RAJAMPET (AN AUTONOMOUS
INSTITUTION), KADAPA DIST., A.P.516126

VOLUME: 8

AY 2019-2020 EVEN SEM
2020-21 ODD SEM (COVID-19)

ISSUE NO:2

WORKSHOPS

1. A two day workshop on “Introduction to Drones” was organized by EEE Dept. in association with **MAGNUS TECHLABS and IEEE** for III B.Tech students from 28/12/2019 TO 29/12/2019.
2. EEE Dept. conducted a one-day Hands-on-workshop on “LABVIEW for Real time Application” for IV B.Tech students on 07/03/2020.
3. EEE Dept. conducted a national level two-day online workshop in collaboration with **Skill to hire** on “Easy Implementation of LMS in your Institute” from 25/07/2020 to 26/07/2020. Dr. M Padma Lalitha, Professor, HOD EEE Dept. acted as convener for this event.
4. EEE Dept. and ISTE student chapter organized a National level 3-day online workshop in collaboration with **Skill to hire** on “Introduction to IOT & Arduino” from 10/08/2020 to 12/08/2020. Dr. M Padma Lalitha, Professor, HOD EEE Dept. acted as convener for this event. E-certificates were provided for the participants.
5. EEE Dept. organized a one-day online-training program on “Controller Hardware-in-the-loop Simulation: tool for future Electrical Engineers” on 21/08/2020. Dr. M Padma Lalitha, Professor, HOD EEE Dept. acted as convener for this event The speakers for this event are as follows



Session 1		Experts
10:00 am to 11:30am	<ul style="list-style-type: none"> • Typhoon HIL Technology • Script Editor API • Modelling of Single phase Inverter. 	Mrs. Khushboo Purwar (Asst. Technical Manager)
Session 2		Expert
11:45 am to 01:15pm	<ul style="list-style-type: none"> • PV Panel Design and Testing using Typhoon Waveform Generator • Introduction of Converter and Machine Tool box • Modelling and Simulation of MPPT Boost Charger • Demonstration of Electric Vehicle Simulation with Charging station for V2G and G2V Applications • Queries 	Mr Sajjad Ali (Application Engineer) QUARBZ Info Systems
Session 3		Expert
02:00 am to 03:30pm	<ul style="list-style-type: none"> • Introduction of Microgrid Tool Box • Modelling of IEEE 4 Node. • Demonstration of Grid Connected Converter PQ. • Queries 	Mr Sudipto Poddar (Field & Application Engineer) QUARBZ Info Systems

FACULTY SEMINAR

1. Seminar on "Power Quality Improvement using Shunt Active Filters" was given by Mr. L Baya Reddy, Assistant Prof, EEE on 20/12/2019.
2. Seminar on "High Gain DC-DC Converter" was given by Mr. N Sreeramula Reddy, Asst Prof, EEE on 31/12/2019.
3. Seminar on "Innovative ways to generate Electricity" was given by Mr. S S Deekshit, Asst Prof, EEE on 10/02/2020.
4. Seminar on "Energy Tower" was given by Mr. M Ramesh, Asst Prof, EEE on 07/01/2019.
5. Seminar on "Importance of Solar PV Waste Management" was given by Mr. M Sai Sandeep, Asst Prof, EEE on 19/02/2020.



GUEST LECTURES

1. EEE Dept. conducted a Guest lecture on "Power System Stability Present Scenario and Future" by Dr. M K Verma, Professor, Dept of EEE, IIT BHU, IV and III B.Tech students on 15/02/2020.
2. EEE Dept. conducted a Guest lecture on "Smart Grid Technologies" by Dr. Abdul Gafoor, Associate Professor, IIT Jodhpur, for IV and III B.Tech students on 24/02/2020.



WEBINARS

1. EEE Dept. organized a one day National level webinar in collaboration with Dbson Universal Power Controls on "Electrical Switchgear & its applications" on 30/07/2020 from 11:00 am to 01:00 pm. E-certificates were provided for the participants. Dr. M Padma Lalitha, Professor, HOD, EEE Dept. acted as convener for this event. Technical session was by Mr. D V Shivanand, BE Elect. CEO, Universal Power Controls.
2. EEE Dept. organized a two-day International webinar on "Writing research projects & articles " from 04/08/2020 to 05/08/2020. Prof Atif Iqbal, DSc (Poland), PhD (UK), Fellow CE (India), Senior member IEEE, Qatar University, Prof. Khaliqur Rehman, PhD (Qatar University), Dept. EEE, AMU were the speakers for this webinar. Dr. M Padma Lalitha, Professor, HOD, EEE Dept. acted as convener for this event. E-certificates were provided for the participants.
3. EEE Dept. and ISTE student chapter oorganized a one-day National level webinar in collaboration with "Ekalavya Group of Technologies" on "MATLAB & It's Engineering Applications" on 16/08/2020 from 11:00 am to 01:00 pm. Dr. M Padma Lalitha, Professor, HOD, EEE Dept. acted as



convener for this event. Dr. Om Prakash was the technical person for this event.

4. EEE Dept. organized a webinar in association with PANTECH-E BYTES 2020 on 30/08/2020 from 11:00 am to 12:00 pm. The webinar was on “Artificial Intelligence Techniques in Power Electronics”. were provided for the participants. Dr. M Padma Lalitha, Professor, HOD, EEE Dept. acted as convener for this event.
5. EEE Dept. orgnized a webinar in association with “NoviTech” on “Hybrid Electric Vehicles” on 13/09/2020 from 11:00 am to 12:00 pm. Mr C Rajapandian, (Ph.D), Assistant Professor was the resource person for this webinar. Dr. M Padma Lalitha, Professor, HOD, EEE Dept. acted as convener for this event.



SANKRANTHI SAMBARALU

EEE Association conducted several activities on the occasion of Sankranti, the following are the events

1. Essay writing in telugu “ Telugu Samskruthi lo Pandagala Pramukhyata” from 10:00 am to 11:00 am at DC Machines Lab.
2. Sankranti Muggula poti at PG Bloc Quadrangle.
3. Poster presentation on Telugu festivals & culture at Smart classroom on 10/11/2020 from 03:00 pm to 04:00 pm.
4. Galipatala Poti at Basketball court from 04:00 pm to 05:00 pm on 10/01/2020.
5. Traditional Fashion Show on 10/01/2020.



EEE ASSOCIATION

EVENT	TOPIC	DATE	Winners
1.Elocution	“Does Social welfare schemes really benefit the poor”	23/12/2019	D KEERTHANA (19701A0222)
2.Essay Writing	“Do modern technologies have a too heavy impact on our lives today”	21/01/2020	D BABAVALI (19705A0205)
3.Elocution	“Is CAA against the spirit of the Indian Constitution”	23/01/2020	R CHANDRIKA (18701A0208)
4.Quiz	“Indian Constitution”	24/01/2020	N DINAKAR (18701A0236)
5.Elocution	“Social media fame is a scam”	31/01/2020	P TEJASWI (18701A0268)
6.Quiz	“December current affairs”	19/02/2020	M V NIKHIL (18701A0273)
7.Quiz	“Women in Science”	28/02/2020	MAHESWARI (19705A0227)
8.Quiz	“January current affairs”	05/03/2020	GOWTHAMI (19705A0213)
9.Online Quizzes	“Electrical Prowess-2020”	15/06/2020	
10.Image contest	“Styles of Yoga”	21/06/2020	
11.Online contest	“My father is my hero”	21/06/2020	



FACULTY ACHIEVEMENTS

1. Dr. B Madhusudana Reddy, Associate Professor, EEE Dept. received “Doctorate Degree (Ph D)” from JNTUA on 13/03/2020.
2. Dr. P Gopi, Associate Prof, Dr. S Suresh, Associate Prof., & Mr Muqthiar Ali, Asst Prof, EEE Dept. got patent for their invention titled “EV-Monitoring system: Real-time monitoring system in electric vehicle using IOT-Based technology” on 03/01/2020.
3. Dr. S Suresh, Associate Prof, & Dr M Padma Lalitha, Prof, HOD, EEE Dept. published a paper on “Neural network based MPPT control with reconfigured quadratic boost converter for fuel cell application” in International Journal of Hydrogen Energy, ELSEVIER, on 23/07/2020.
4. Dr. S Suresh, Associate Prof, & Mr M Sai Sandeep, Asst Prof, EEE Dept. published a paper on “Techno economic performance analysis of hybrid renewable electrification system for remote villages of India” in WILEY publication on 21/04/2020.
5. Mr. S Muqthiar Ali, & Mr. Siva Sai, Assistant Professors, EEE Dept. published a paper on “Explorative Analysis of Various Properties in Transformer Oil Based Nanofluids and Vegetable Oils for a Transformer” in Journal of Green Engineering, SCOPUS Indexed journal on June 2020.

STUDENT ACHIEVEMENTS

1. C Chand Basha, IV EEE, got FIRST prize in Paper presentation competition ISHANA-2K20, KSRM Engg College, Kadapa on 19/02/2020.
2. M Venkata Nikhil Kumar, II EEE, got SECOND prize in Paper presentation at SVCE, Tirupati on 20/02/2020.
3. M Shalini & B Sujanaaveena, II EEE, got THIRD prize in Project Expo at SVCE, Tirupati on 20/02/2020.

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