



**Anil Neerukonda Institute of Technology and Sciences**  
**(UGC Autonomous)**  
**(Permanently affiliated to Andhra University Approved by AICTE, accredited**  
**by NBA and NAAC 'A' Grade)**  
**Sangivalasa-531 162, Bheemunipatnam Mandal, Visakhapatnam Dist, A.P.**

**Department of Electrical and Electronics Engineering**  
**Annual News Letter 2018-2019**

*Chief Patron:*

*Dr.N.B.R.Prasad,*

*Chairman, ANES*

*Patron:*

*Prof.T.Subrahmanyam*

*Principal, ANITS*

*Advisor:*

*Prof.T.V.Hanumantha Rao*

*Dean, Academic Affairs*

*Hod:*

*Prof.G.Raja Rao*

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*Assistant Professor,*

*Student Members:*

*R.Bhanu Rohit*

*M Sri Harsha*



*The Department of EEE, Anil Neerukonda Institute of Technology and Sciences (Autonomous), Visakhapatnam was established in 2001 with the approval of the All India Council for Technology Education (AICTE), New Delhi and the Government of Andhra Pradesh and is affiliated to Andhra University (AU) with an intake of 180 students. It has 38 qualified teachers (Meeting the norms of AICTE) headed by Dr.G.Raja Rao with 31 years of experience in teaching.*

### **VISION OF DEPARTMENT**

*The EEE Department at ANITS envisages attaining a position of national excellence for graduating students that have experienced implementing theory into practice and are capable of succeeding in higher learning up keeping ethical values.*

### **MISSION OF DEPARTMENT**

*To promote learning and research in the field of Electrical & Electronics Engineering and to advance and disseminate technical and professional knowledge in shaping young engineers into future human resource*

**News Letter 2018-2019**

## PROGRAM OUTCOMES

1	<b>Engineering knowledge:</b> Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2	<b>Problem analysis:</b> Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3	<b>Design/development of solutions:</b> Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4	<b>Conduct investigations of complex problems:</b> Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5	<b>Modern tool usage:</b> Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6	<b>The engineer and society:</b> Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7	<b>Environment and sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8	<b>Ethics:</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9	<b>Individual and team work:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10	<b>Communication:</b> Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11	<b>Project management and finance:</b> Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12	<b>Life-long learning:</b> Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## PROGRAM EDUCATIONAL OUTCOMES (PEOs)

1	To prepare students with a strong foundation in basic sciences, mathematics and electrical engineering for productive engineering careers and enable them to pursue higher studies.
2	To equip the students with good analytical and design capabilities to solve present day electrical engineering problems and to realize the necessity of life-long learning to excel in their professional careers.
3	To produce the students with strong communication skills and to foster the ability to work in multidisciplinary teams with a sense of environmental awareness, professional and ethical values.

## PROGRAM SPECIFIC OUTCOMES

1	Design modern power systems components to meet their identical needs within economical and environmental constraints
2	Design, simulation, fabrication and testing of power switching devices, electrical drives and their control for industrial and research applications.

## DEPARTMENT OF EEE

### TESTIMONIAL

#### LIST OF FACULTY

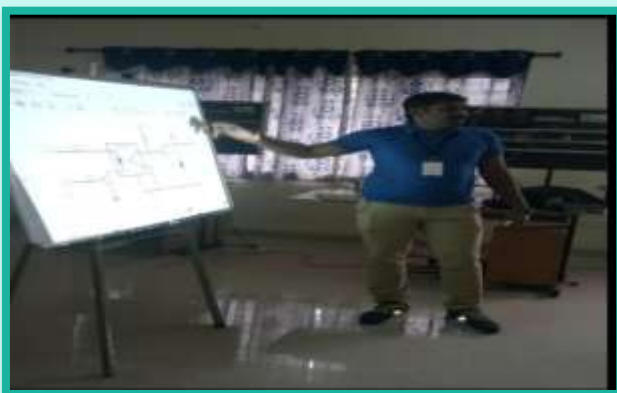
1 Dr. G. Raja Rao Professor & HOD	20 Mr. V. Anil Kumar Assistant Professor
2 Mr. V. Murali Associate Professor	21 Mr. N. Kiran Assistant Professor
3 Mr. S. Bala Murali Associate Professor	22 Mr. J. Uday Venkatesh Assistant Professor
4 Dr. J. Vijay Kumar Associate Professor	23 Mr. Narayana Divakar R V L Assistant Prof
5 Mr. Kottala Kiran Kumar Assistant Professor	24 Mrs. T.V. Subhashini Assistant Professor
6 Mrs. K.V.R. Swathi Assistant Professor	25 Mr. E. Appanna Assistant Professor
7 Mr. Kavala Kiran Kumar Assistant Professor	26 Mr. G. Yedukondalu Assistant Professor
8 Mr. B. Raja Sekhar Assistant Professor	27 Mr. T. Subrahmanyam Assistant Professor
9 Mr. R. Satish Assistant Professor	28 Mr. B. Tulasi Rao Assistant Professor
10 Ms. K. Lavanya Assistant Professor	29 Mr. S.J.V. Prakash Assistant Professor
11 Mr. Ch.V. N. Raja Assistant Professor	30 Mr. P. Naresh Kumar Assistant Professor
12 Mr. M. Sudheer Kumar Assistant Professor	31 Mr. K. Naresh Kumar Assistant Professor
13 Mr. K. Trinadh Babu Assistant Professor	32 Mr. M. Divakar Assistant Professor
14 Mr. L. Dinesh Assistant Professor	33 Mr. B. Satyanarayana Assistant Professor
15 Mr. S. Harish Assistant Professor	34 Mr. Lolla Phani Raghav Assistant Professor
16 Mr. A. Dhananjaya Apparao Asst Prof	35 Mr. Arardhi Venkata Praveen Assistant Prof
17 Mr. L. Vijay Assistant Professor	36 Mr. Patnana Hema Kumar Assistant Professor
18 Ms. D. Sri Lakshmi Assistant Professor	37 Mr. Guna Naga Venkata Mohan Assistant Prof
19 Ms. V. Rangavalli Assistant Professor	38 Mr. Nishant Patnaik Assistant Professor
	-

#### FACILITIES IN THE DEPARTMENT

No. of class rooms	12
No. of labs	Electical MachinesLab (both DC and AC) 3 Power Electronic Lab 1 DEMP Lab 1 Network and Measurements Lab 1 Network Lab 1 Electrical Measurements Lab 1 Control System Lab 1
No. of Software lab	1 Simulation Lab

## GUEST LECTURES ORGANIZED

✚ A guest lecture is delivered by Mr. D. Ravendra , CTO, Zunik Energies Pvt Ltd. on Power electronic applications for renewable energy sources on 15<sup>th</sup> March 2019. He gave a brief description about the latest inverters that are useful for the present society which is apt suited for the renewable energy sources. Around 100 students of 4/4 EEE students participated.



✚ An Guest Lecture on “Thermal Power Plants Power Evacuation” by Sri K. Venkateswara Rao, Sr. Engineer, Electrical projects (PPD), M/s BGR Energy Systems Limited, Chennai has been arranged on 23-08-2018 by the Department of EEE. The students of IV/IV B. Tech EEE have attended.

✚ An Expert lecture on ‘Power Quality and Traiff by Sri A. Ramesh, D.E.(load despatch), APTRANSCO, Hyderabad has been arranged on 12<sup>th</sup> December 2018. The faculty of EEE and students of 4/4 EEE have attended the talk.

## NEW CHAPTER ADDED

The department of EEE has started a new ZESRIC team in ANITS with the team of 2 faculty in charges, K.V.R.Swathi and

K.Lavanya, Asst Professor and a student’s secretarial board have 10 members. This chapter supports the ideas and give the financial assistant for the best project proposals of student members.



## ACADEMIC PLANNING & MONITORING COMMITTEE (APMC)

The Department of EEE, ANITS APMC committee is responsible for planning important agenda in the scope and limit of the department, simultaneously monitoring the activities and corresponding results emerging in due course from every other committee of the department as well. One of the important objectives is to improve the overall quality of the department towards achieving an increasing trend in the progress rate of attaining the program outcomes (POs). The scopes of the committee include but not restricted to planning for the academic year ahead, review and analysis of last academic year, fixing of the PO attainment level, planning for seminars, conferences, faculty development programs, planning student training events etc.

The APMC meeting for 2017-18 was organized in April-2018, July-2018, and February-2019. Main agenda for these meetings were CO analysis for 2017-18, PO attainment analysis for 2017-18, PSO analysis, and Modification of rules for identifying weak and strong students.



The PO attainment level was increased from minimum level of 60% to 65% as a quantified improvement in the students' performance was observed. Few of the students who have not attained the PO level need to be taken care by the subject teachers and corresponding proctors. Identifying the weak students was decided to take those students securing less than 40% marks in the internal assessment exams. Another agenda was conducting remedial classes for those students who have backlogs. As part of other agenda, it was decided to encourage the faculty members and students as well to publish sufficient number of research papers in referred journals. Presently, the remedial classes are coordinated by Mr. L. Vijay.

### **BOARD OF STUDIES MEETING**

5<sup>th</sup> Board of Studies meeting was held on March 30 2019 at 10:30 a.m. in simulation lab with the agenda review of autonomous syllabus first year Sem I and II model curriculum was proposed by the following members Dr.G.Raja Rao Chairman BOS HOD EEE.,



Prof.B.M.Mohan Dept of EE IIT Kharagpur as Academic Council Nominee, Prof Debapriya Das Dept of EE IIT Kharagpur as Academic Council Nominee, Prof G.V.Siva Krishna Rao Dept of EE A.U as University Nominee, Sri B.Srinivas Reddy AGM RINL VSP as Industry Member.Sri K.Anil Kumar Asst.Manager RINL VSP as Special Invitee, Associate Professor of EEE and group coordinates as members.

### **ORIENTATION PROGRAM**

Orientation Program for First year students for the admitted batch 2018-19 was organized by the Department of EEE on 13<sup>th</sup> August 2018. HOD,EEE introduced the faculty and various facilities provided by the college to the students in their four years of engineering life. First year students were performed various activities like dancing and singing. Second Year students interacted with fresher's and they gave an insight of career opportunities and student life at ANITS campus.

## IQAC AUDIT IN EEE DEPT:

An internal audit is conducted in the department of EEE on 2<sup>nd</sup> November 2018. Prof. T.V .Hanumatha Rao , Dr.J.Vikranth acted as an external members and the main agenda is to verify the department committee files and course files of the faculty handling different subjects and how the CO attainment level is achieved.



## STUDENT SYMPOSIUM

The Department of Electrical & Electronics Engineering, Anil Neerukonda Institute of Technology and Sciences (ANITS) has organized the 11<sup>th</sup> National Level Student Technical Symposium “ARC-19” during 06<sup>th</sup>&07<sup>th</sup>Ma2019. **Mr.K.S.N.Murthy**, CGM APEPDCL is the chief guest for the Inaugural function on 06<sup>th</sup> March 2019. electrical

engineering students have to follow. In his keynote he stressed on basics of power quality and extended upto distributed generation in power systems. **Dr.N.B.R.Prasad** Chairman ANES **Prof.T.Subrahmanyam**, principal, ANITS and **Dr. G. Raja Rao**, Professor & HOD of EEE, also spoke on the occasion giving details of the symposium. The students of final and third year students presented a model of power grid wording on ardino software and also layout of power system .



## TECHNICAL EVENTS UNDER ARC 2K19

### Ensemble



The Department of EEE conducted a technical event “ENSEMBLE” which was a perfect platform for the geeks to exercise their brains; a 2 hour contest was conducted for critical thinkers. Above 80 students have participated and were given model and will be hidden and the students should design the model the best would be awarded a prize amount of 2000/- The contest was executed for 2 days.

### Paper Presentation

A Platform was provided to the participants to showcase the presentation skills and technical knowledge. A huge response was received by the students. Around 75 abstracts were thoroughly reviewed by the expert’s team and they selected 25 abstracts for presenting on the day of the event which was conducted on 6<sup>th</sup> and 7<sup>th</sup> March 2019. The winners were awarded with cash prize amount of Rs.2000/-.

### Technical Quiz

An Technical Quiz is conducted on 7<sup>th</sup> March 2019 to enhance the technical knowledge of the students. A huge enthusiasm shown by the students to exhibit

their technical skills in which 200 students participated and winners were appreciated with awards.



## NON TECHNICAL EVENTS

Various non technical events were also conducted such as games(cricket, counter strike etc),spot events, summit(a debate on spot given topic) to encourage the students in their interested fields. The stalls were being exhibited by the students to showcase their talents in making crafts, cooking, business models etc.

### Cultural Event and Valedictory

The cultural event was conducted on 7<sup>th</sup> March 2018 to showcase the student performance like singing, solo dance, group dance, rock band etc.

The valedictory of ARC 2K19, was graced by, Prof.(Dr.) T.Subramanyam, Principal, Prof.(Dr.) G. Raja Rao HOD,EEE shared the dais. The enthusiasm of the students in participating took the energy of the department up to a new level. The effort put in by the faculties, students and with the support of college management has thus transformed into a successful event.



## FACULTY PUBLICATIONS

- ✚ Mr. G Raja Rao, HOD of EEE, Prof. has submitted a research paper entitled “An Improved Adoptive Control System for a Two Wheel inverted Pendulum – mobile Robo Using Eagle Strategy with PSO” in the Journal of Emerging Technologies and Innovative Research (JETIR). July 2018 Vol. 5, Issue. 7, pp. 137-147. ISSN: 2349-5162.
- ✚ Mr. G Raja Rao, HOD of EEE, Prof. has submitted a research paper entitled “Load frequency control of multi area interconnected power system by optimal control strategies” in the the International Journal of Research and Analytical Reviews (IJRAR). August 2018 Vol. 5, Issue. 3, pp. 137-147. ISSN: 2349-5138
- ✚ Mr. G Raja Rao, HOD of EEE, Prof. has submitted a research paper entitled “Comparative Analysis of an LQG and LQGI controller for twin rotor MIMO systems” in the International Journal for research in applied science and engineering technology (IJRASET) .June 2019 Vol.7,Issue 6 pp.1715-1720 ISSN: 2321-9653 IF.7.177
- ✚ Mr. N Kiran, Asst. Prof. has submitted a research paper entitled “ Direct Torque control of induction Motor using Space vector Modulation” in the International Journal of Engineering research and Development (IJERD). May 2018 Vol. 14, Issue. 5, pp. 54-60. ISSN: 2278-067X.
- ✚ Mrs. T.V.Subashni, Asst. Prof. has submitted a research paper entitled “Non Linear Control of SPWM Inverter fed BLDC Motor using Robust H controller” in the International Journal of Engineering research and Applications (IJERA). July 2018 Vol. 8, Issue. 7, part 4 pp. 57-63. ISSN: 2248-9622.
- ✚ Mr. V. Murali, Assoc. Prof. has Published a research paper entitled “ Price based fuzzy automatic generation control for Indian tariff system” in the Journal of Energy Systems(Springer)(Scopus). Feb 2019 Vol.10, Issue. 1, pp. 231-246. ISSN: 1868-3967.
- ✚ Mr. V. Murali, Assoc. Prof. has Published a research paper entitled “ A novel operating strategy for unscheduled interchange price based automatic generation control” in the International Journal of energy technology and policy (IJETP) (Inderscience)(Scopus) .Feb 2019 Vol.15, Issue. 2/3, pp. 134-147 ISSN: 1472-8923.
- ✚ Mrs .K.V.R.Swathi, Asst. Prof. has Published a research paper entitled “Characterization of SiC in Buck and design of buck with coupled inductor for high efficiency in robotic Applications” in the Journal of advanced research in dynamical and control systems (JARDCS) (Scopus) .Aug 2018 Vol.10, Spl Issue pp. 245-255 ISSN: 1943-023X
- ✚ Mrs .K.V.R.Swathi, Asst. Prof. has Published a research paper entitled “Design of intelligent controller for reduction of chattering phenomenon in robotic arm- A rapid Prototyping ” in the Computers and Electrical Engineering(Elesvier) (SCIE) .Mar 2019 Vol.74, pp. 483-497 ISSN: 0045-7906 cite score 3.02 IF. 2.189.
- ✚ Mr. S. Bala Murali, Assoc. Prof. has Published a research paper entitled Speed Control of brushless Dc Motor by integral SMC” in the International Journal of Research and Analytical Reviews (IJRAR).Feb 2019 Vol.5, Issue. 3, pp. 134-147 ISSN: E. 2348-1269/P.2349-5138.
- ✚ Mrs .V.Rangavalli, Asst. Prof. and Mrs.K.Lavanya has Published a research paper entitled “Speed Control of Dc Motor using different controllers ” in the International Journal for research in



applied science and engineering technology (IJRASET) .Apr 2019 Vol.7,Issue 4 pp.3374-3382 ISSN: 2321-9653 IF.6.8.

- ✚ Mr.R.V.L.N .Divakar , Asst. Prof. has submitted a research paper entitled “ Power Quality improvement by using active power filters” in Journal of Emerging Technologies and Innovative Research (JETIR). May 2018 Vol. 5, Issue. 5, pp. 379-384. ISSN: 2349-5162.
- ✚ Mr.B.Satyanarayana , Asst. Prof. has submitted a research paper entitled Contingency analysis of 6 bus system by using power system performance indices” in the International Journal of Creative and research thoughts (IJCRT). Apr 2018 Vol. 6, Issue. 2, pp. 226-235. ISSN: 2320-2882.
- ✚ Mrs. K.Lavanya Asst. Prof. has Published a research paper entitled “Harmonic analysis of cascaded h bridge MLI fed induction motor drive ” in the International Journal of Management technology and engineering (IJMTE). Apr 2019 Vol. 9, Issue. 4, pp. 72-78 ISSN: 2249-7455.
- ✚ Mrs. K.Lavanya Asst. Prof. has Published a research paper entitled “performance of cascaded MLI fed induction motor drive using SPWM technique ” in the the International Journal for research in applied science and engineering technology(IJRASET) .Apr 2019 Vol.7,Issue 4 pp.1145-1152 ISSN: 2321-9653 IF.6.8.
- ✚ Ch. V.N. Raja, “Speed Control of Induction Motor by using FOC based on QFT-ANN”, International Journal of Research and Analytical Reviews (IJRAR), Vol. 5, No. 3, pp. 842-850, August 2018, ISSN: 2348-1269(UGC approved).
- ✚ Ch. V. N. Raja, “Optimal Design of Equivalent Linear Induction Motor Based on Harmony Search Algorithm

and Analysis using Finite Element Method,” Journal of Engineering Science and Technology (JESTEC), Vol. 13, No. 8, pp. 2520 – 2532, September 2018 (Scopus free), ISSN: 1823-4690.

- ✚ Dr. Vijay Kumar, Assoc. Prof has published a research paper entitled “Optimal placement of PMU’s in a transmission network using genetic algorithm ” in the International Journal of recent technology and engineering (IJRTE) (scopus)– Volume 7No.654 .Apr 2019
- ✚ Dr. Vijay Kumar, Assoc. Prof has published a research paper entitled “Comparative study of load frequency control with pi and fuzzy logic controller for hydro electric power plants” in the International Journal of research and analytical reviews Volume 6No.1 PP. 852-858Mar 2019.
- ✚ Dr. Vijay Kumar, Assoc. Prof has published a research paper entitled “Constrained consensus in hybrid state estimation in wide area monitoring ” in the International Journal of Advanced research in dynamical and control systems – Volume 10 PP. 815-824– July 2018
- ✚ Dr.Nishant Patnaik Asst. Prof has published a research paper entitled “Closed loop controlled cascaded current controlled dynamic evaluation control based voltage doubler PFC converter for improved dynamic performance ” in the IEEE Journal of Emerging and selected topics in power electronics – Volume 6 Issue 4 Dec 2018 PP. 1884-1891– ISSN 2168-6785.
- ✚ Mr. G Raja Rao ,HOD of EEE, Prof. and Dr T Narshimalu , Asst Prof has submitted a research paper entitled “New Optimizer Reduced-Order Model of High-Order Discrete-Time” in the IISTE June 2019.

- ✚ Mr. G Raja Rao ,HOD of EEE, Prof. and Dr T Narshimalu , Asst Prof has submitted a research paper entitled “ A New Optimised way of Designing a Sliding Mode Controller” in the Journal of Engineering Research and Applications Volume 9 No. 6 June 2019.

## **WORKSHOPS ATTENDED BY FACULTY**

- ✚ Mr. R. Satish Asst Prof has attended a two day workshop on “Met heuristic optimization in multi disciplinary research” organized by Department of electrical engineering .Andhra university college of engineering AUCE (A) on 26<sup>th</sup> -27<sup>th</sup> Oct 2018.
- ✚ Mr. R. Satish Asst Prof has attended a one week workshop on “Hands on training program on photovoltaic system and DC micro grids ” organized by Department of electrical engineering. Andhra university college of engineering AUCE (A) on 17<sup>th</sup> -21<sup>st</sup> Dec 2018.
- ✚ Mr. N.Kiran Asst Prof has attended a one week workshop on “Automation tools for engineering applications ” organized by Department of electrical engineering .Andhra university college of engineering AUCE (A) and Govind ballabh pant institute of engineering and technology, Pauri, Uttarakhand under twining activity of TEQIP-III on 9<sup>th</sup> -13<sup>th</sup> Nov 2018.
- ✚ Mrs. K.V.R.Swathi Asst Prof has attended a two day workshop on “Transition of power sector in India to meet futuristic energy needs, challenges and issues ” organized by Department of electrical engineering .Gitam institute of technology , on 20<sup>th</sup> -21<sup>st</sup> Feb 2019.
- ✚ Mr.K.Trinadh Babu Asst Prof has attended a two day workshop on “Transition of power sector in India to meet futuristic energy needs, challenges and issues ” organized by Department of electrical engineering. Gitam institute of technology , on 20<sup>th</sup> -21<sup>st</sup> Feb 2019.
- ✚ Mr.B.Rajsekhar Asst Prof has attended a two day workshop on “Transition of power sector in India to meet futuristic energy needs, challenges and issues ” organized by Department of electrical engineering .Gitam institute of technology , on 20<sup>th</sup> -21<sup>st</sup> Feb 2019.
- ✚ Mr. A. V. Praveen, Asst. Professor has participated in the five day Faculty Development Programme under TEQIP-III, AUCE (A) on “Industrial Automation” held at AU-APSSDC-SIEMENS Centre of Excellence, AUCE (A), Andhra University, Visakhapatnam during 14<sup>th</sup> to 18<sup>th</sup> May 2018.
- ✚ Mr. G. Yedukondalu, Mr. T. Subrahmanyam, Mr. B. Tulasi Rao, Mr. S.J.V. Prakash, Mr. P. Naresh Kumar, Mr. B. Satyanarayana, Mr. A.V. Praveen, Mr. G.N.V. Mohan and Mr. Nishant Patnaik have attended the Faculty Development Program organized by ANITS during 13<sup>th</sup> to 14<sup>th</sup> June 2018.
- ✚ Mr. B. Raja Sekhar and Mr. S.J.V. Prakash, Asst. Professors have participated AICTE – ISTE Sponsored One Week Induction / Refresher Programme on “Solar PV Systems – Design and Performance Evaluation (SPVSDPE)” Organized by Department of EEE, Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam during 25<sup>th</sup> to 30<sup>th</sup> June 2018.
- ✚ Mr. L. Vijay and Mr. G.N.V. Mohan, Asst. Professors have participated in Meity, Govt. of India, Sponsored One Week Faculty Development Programme (FDP) on “Power Quality Analysis and Improvement Techniques” Jointly Organized by the Dept. of EE and E &

ICT Academy, NIT-Warangal during 18<sup>th</sup> to 23<sup>rd</sup> June 2018.

- ✚ Dr. J. Vijaya Kumar, Associate Professor has participated in the NAAC sponsored Two Day National Workshop on “Quality Enhancement in Curriculum Design and Development for Higher Education Institutions” organized by IQAC, Raghu Engineering College, Vizianagaram during 29<sup>th</sup> to 30<sup>th</sup> November 2018.
- ✚ Dr. J. Vijaya Kumar, Associate Professor has attended Keysight Education Symposium 2018 on “RF & Microwave” organized by Keysight Technologies and Synergy Measurement Technologies India Pvt Limited held at Daspalla Hotels, Visakhapatnam on 26-10-2018.
- ✚ Dr. J. Vijaya Kumar, Assoc. Professor has participated in International Conference on “Recent Trends in Automation (ICRTA-2018) during 15<sup>th</sup> to 16<sup>th</sup> November 2018 held at Vasireddy Venkatadri Institute of Technology (VVIT), Guntur, AP.
- ✚ Mrs. V Rangavalli & Mrs. T.V. Subhashini Asst. Professors have participated in the one week workshop on ‘AUTOMOTION TOOLS FOR ENGINEERING APPLICATIONS’ organized by the department of Electrical & Electronics Engineering, A.U College of engineering, Visakhapatnam during 9<sup>th</sup> – 13<sup>th</sup> November 2018.
- ✚ Mr. V. Murali, Assoc. Professor & Mr. Ch. V. N. Raja, Asst. Professor have participated in the one week orientation program on “Machine Learning and IoT” organized by the department of Electrical Engineering, AUCE (A) & Electrical Engineering Directorate, Visakhapatnam during 3<sup>rd</sup> -8<sup>th</sup> December 2018.
- ✚ Mr. M. Sudheer Kumar, Mr. S Harish & Mr. Uday Venkatesh, Asst. Professor have participated in the 3days workshop

on “Research Methodology” organized by the department of Electrical Engineering, KLEF & Electrical Engineering Directorate, Guntur during 8<sup>th</sup> -10<sup>th</sup> January 2019.

- ✚ Mr. N.Kiran Asst. Professors has participated in the 14 days FDP on ‘Engineering Challenges for making Digital India: Internet of Things & Applications’ organized by the department of ECE, ANITS Engg. College Visakhapatnam, during 11<sup>th</sup> to 24<sup>th</sup> June 2019.
- ✚ Dr. T Narshimalu , Asst. Professor have participated in the 2 day hands on workshop on “Metaheuristic Optimization in Multi-Disciplinary Research ” organized by the department of Electrical Engineering, AUCE (A) & Electrical Engineering Directorate, Visakhapatnam during 26<sup>th</sup> -27<sup>th</sup> October 2018.
- ✚ 10 of our faculty members of EEE Dept has undergone a training program in the Indian Maritime University , shipyard on Latest Developments in the manufacturing technologies of ship building.



## ONLINE COURSES DONE BY FACULTY:

- ✚ Mr. Ch.V.N. Raja, Asst. Professor, has Completed 15 days Online Course on “Inference Solutions” organized by the Roger Venning, Instructor and Udemy on 20<sup>th</sup> January to 3<sup>rd</sup> February 2019, (Certificate No- UC- G3CCDOH4).
- ✚ Mr. Kottala Kiran Kumar, Asst. Professor has attended in the one day NPTEL Online Course on “Outcome based pedagogic principles for Effective Teaching” organized by the department of Electrical Engineering, Indian Institute of Technology, Kharagpur on 28 October 2018.
- ✚ Mrs. K.V.R.Swathi Asst. Prof completed NPTEL online course on “Teaching and Learning in Engineering (TALE)” with a consolidated score of 72% (ELITE) from IISc Bangalore. In the duration of Feb-Mar 2019(4 weeks).
- ✚ Ms. D.Sri Lakshmi Asst. Prof completed NPTEL online course on “Teaching and Learning in Engineering (TALE)” with a consolidated score of 60% (ELITE) from IISc Bangalore. In the duration of Feb-Mar 2019(4 weeks).
- ✚ Mr. B.Rajsekhar Asst. Prof completed NPTEL online course on “Teaching and Learning in Engineering (TALE)” with a consolidated score of 72% (ELITE) from IISc Bangalore. In the duration of Feb-Mar 2019(4 weeks).
- ✚ Mr. L.Vijay Asst. Prof completed NPTEL online course on “Teaching and Learning in Engineering (TALE)” with a consolidated score of 67% (ELITE) from IISc Bangalore. In the duration of Feb-Mar 2019(4 weeks).
- ✚ Mr. S.Harish, Asst. Professor has done Task based Online Training on “e yantra lab setup initiative (Elsi)” organized by the department of Computer science and Engineering, Indian Institute of

Technology, Bombay in the duration of May- Dec 2018.

## CONFERENCES ATTENDED BY FACULTY:

Mr. V. Murali, Assoc. Prof. has presented a research paper entitled “ Performance Analysis of price based AGC for Indian power sector under ABT mechanism” in the International Conference INDICOM 2018 at Amtita viswavidyapeetam, Coimbatore on 17th December 2018.

## POWER SUBSTATION VIST BY STUDENTS OF III/IV





Students of 3/4 B.E- EEE – B have visited 132/33 K.V substation at Anandapuram on 10<sup>th</sup> Dec 2018. Mr. Kavala Kiran Kumar, Asst. professor has accompanied the students. Around 45 students have visited this substation



Students of 3/4 B.E- EEE – A have visited 400/220 K.V substation at Kalapaka on 6<sup>th</sup> February 2019. Mr. M.S.M Divakar, Asst. professor has accompanied the students. Around 60 students have visited this substation.

## **MEMORANDUM OF UNDERSTANDING:**

The M.O.U is made and entered into by and among Dept. of EEE, Anil Neerukonda Institute of technology and sciences, and Zunik Energies Pvt. Ltd. The effective date of M.O.U is on 25<sup>th</sup> February, 2019 and shall extend a period of five years and may be renewed upon mutual written agreement. The MOU envisages students projects, guest lectures, refresher courses , workshops and seminars, training the faculty, value- addition courses if necessary.

## **CLUB ACTIVITIES**

The NSS club and the final year outgoing students of EEE dept have organised a 2K walk with collaboration with SAHAI charity for giving a helping hand to the charity by making the public know about on what the charity works and also funded the charity by collecting through the walk.



The NSS club of EEE dept have organised an Eco Friendly Ganesh Idol competition on the eve of Ganesh Chaturuthi the student realize the need of eco friendly Ganesh's which is very much necessary for the present environment.



Cultural club members of EEE had given a performance in CMR central Visakhapatnam on the occasion of student technical fest ARC 2K19.



## SCHOLARSHIP FOR STUDENTS :

The faculty of department of EEE Anits initiated EEE department Scholarship on the Teachers Day . There awarded scholarships to two of the outgoing batch students who are academically strong and need financial assistance and were given 20,000 each . Ms.T.Rachana 4/4 EEE and Ms. N. Charshima 3 /4EEE has availed this opportunity . Mr. T.V.Hanumantharao Principal Anits, Mr. D.Prasad Rao Dean of Examinations, Mr.G.Raja Rao Prof HOD of EEE graced the dais.



## STUDENTS ACHIVEMENTS:

- ✚ Mr K.N.N.Naveen, Mr K.Raghu, Mr Sarath Chandra ,Mr Sandeep, Mr Sai Abhishek, Mr K.krishna Rao of(3/4) EEE have taken part in smart grid live model presentation, ARC 2K19 at ANITS in the year2018-2019.
- ✚ Mr B.V.N Aashish of(3/4) EEE have taken part in Paper presentation and won 1<sup>st</sup> prize in ARC 2K19 at ANITS in the year 2018-2019.

- ✚ Mr B.V.N Aashish of(3/4) EEE have taken part in Model presentation and won 2<sup>nd</sup> prize in ARC 2K19 at ANITS in the year 2018-2019
- ✚ Mr B.V.N Aashish of(3/4) EEE have taken part in Code N Code and won 2nd prize in ARC 2K19 at ANITS in the year 2018-2019.
- ✚ Mr B.V.N Aashish of(3/4) EEE have taken part in Technical Quiz and won 2nd prize ,which was held at Engineers day(2018-2019).
- ✚ Mr. J.Dhiraj of 3/4 EEE have participated in NTR Trust Blood Bank at CMR Central and Lions Blood Bank, Visakhapatnam in the year 2108-2019.
- ✚ Ms. M.Bhargavi of 3/4 EEE has undergone training in the “IP21- Technical communication interview preparedness for the 21st century” program at the skill development institute, Visakhapatnam in the year 2018-2019.
- ✚ Ms. T.Spandana of 3/4 EEE has participated SRI GURUKUL below 1600 fide rating “CHESS TOURNAMENT” at ZP meeting hall, Visakhapatnam in the year 2018-2019.
- ✚ Mr.P.sai ram, Mr.L.Bhanu Prakash of of 3/4 EEE have taken part in technical quiz and won 2 nd prize in ARC 2K19 at ANITS in the year 2018-2019.
- ✚ Mr.L.Bhanu Prakash of of 3/4 EEE have taken part in circuitry and won 2 nd prize in ARC 2K19 at ANITS in the year 2018-2019.
- ✚ Ms B.K.L Prathyusha of of 3/4 EEE have taken part in Ensemble and won 3rd prize in ARC 2K19 at ANITS in the year 2018-2019.
- ✚ .Ms.G.Pujitha of of 3/4 EEE have taken part in sub station model ARC 2K19 at ANITS in the year 2018-2019.

- ✚ Ms Ch.Sarat of of 3/4 EEE have taken part in au inter college foot ball tornment and won 2nd prize in 2017-18
- ✚ Ms J.Pavan of of 2/4 EEE have taken part in Ensemble and won 2nd prize in ARC 2K18 at ANITS in the year 2017-2018.

### **STUDENTS WORKSHOPS:**

- ✚ Mr.Y.V.Akhil, Mr.P.Praveen, Mr.Pavan Manoj,Mr.S.Rahul Phaneendra Reddy, Mr.B.Harish, Mr.P.Gautam Kumar, Mr.P.Bhanujirao, Mr.M.Inayath, Mr.Sai vamsi of 3/4 EEE have participated in the SOLARIZER workshop conducted by “Techfest, IIT Bombay”, in the year 2018-2019.
- ✚ Mr.P.Gautam Kumar,Mr.A.Sandeep,Ms V.Jayshree of 3/4 EEE have participated in Enterpreneurship workshop at ANITS in the year 2018-2019.
- ✚ Mr.Sarath Chandra, Mr.M.R.Kishore Reddy, Ms.P.Triveni, Ms.Likhitha, Ms S.Tejaswini, Ms.R.Sharmila, Ms.Nithisha Kumari of 3/4 EEE have participated in the GESTURE CONTROLLED MAZE workshop at SHAASTRA IIT MADRAS in the year 2018-2019.
- ✚ Ms.A S Sree sarvani ,Ms.B K L Prathyusha have participated in workshop on DIGITAL MARKETING (E-mail Marketing) at NIIT Vizag in the year 2018-2019.
- ✚ Ms.M.Bhargavi, Ms.R.Pavani, Ms.T.Anupama of 3/4 EEE have participated for INDUSTRIAL AUTOMATION using PLC and SCADA in STEPCONE of GMR Institute of Techonology, Rajam,Srikakulam(dt) in the year of 2018-2019.

### **STUDENTS PARTICIPATION:**

- ✚ Ms K.Puspha of (3/4)EEE has participated in caroms in the 12<sup>th</sup>



national level student technical symposium held in 2019.

- ✚ Ms T.Anupama of (3/4) EEE has successfully trained in robotics club in\_2018-2019\_in\_ANITS
- ✚ Ms T.Spandana of (2/4) EEE has participated in the summer coaching camp held at East Coast Railway ,VSKP.
- ✚ Ms T.Spandana of (2/4) EEE has participated in the Ensemble in the 12<sup>th</sup> national level student technical symposium held in 2018.
- ✚ Ms Ratnala Pavani of (3/4) EEE has successfully trained in robotics club from 2018-2019\_in\_ANITS
- ✚ Ms G.Ranga Sushma of (3/4) EEE has successfully trained in robotics club\_in\_2018-2019\_in\_ANITS
- ✚ Ms G.Ranga Sushma of (3/4) EEE has participated in Master Orator championship held in\_2018-2019\_.
- ✚ Ms G.Ranga Sushma of (3/4) EEE has participated in circuitry held in the 12th national level student technical symposium held in 2019.
- ✚ Ms G.Ranga Sushma of (3/4) EEE has participated in Trouble shooting held in the 12th national level student technical symposium held in 2019.
- ✚ Mr G.A.V Sanjay (3/4) EEE has participated in Master Orator championship held in 2018-2019 .
- ✚ Mr G.A.V Sanjay of (3/4) EEE has participated in the Paper presentation in the 12th national level student technical symposium held in 2018.
- ✚ Mr G.A.V Sanjay of (3/4) EEE has participated in the Elocution on the eve of Independence day.
- ✚ . Ms K.Likitha Patnaik of (3/4) EEE has participated in Master Orator championship held in 2018-2019
- ✚ Ms K.Likitha Patnaik of (3/4) EEE has participated in Brain squeeze

held in 2018-2019 at Shaastra IIT madras.

- ✚ Ms B.K.L Prathyusha of (3/4) EEE has participated in Master Orator championship held in 2018-2019.
- ✚ Ms B.K.L Prathyusha of (3/4) EEE has participated in Code N Code held in the 12th national level student technical symposium held in 2019.
- ✚ Ms Likitha patnaik of (3/4) EEE has participated in circuitry held in the 12th national level student technical symposium held in 2019.
- ✚ Ms P.Srilakshmi of (3/4) EEE has participated in Technical Quiz held in the 12th national level student technical symposium held in 2019.
- ✚ Ms P.Srilakshmi of (3/4) EEE has participated in Ensemble held in the 12th national level student technical symposium held in 2019.
- ✚ Mr Sarath Chandra of (3/4) EEE has participated in Arduino programming challenge held in Shaastra 2019.
- ✚ Ms V.Jaya Sree of (3/4) EEE has participated in Ensemble held in the 12th national level student technical symposium held in 2019.
- ✚ Ms V.Jaya Sree of (3/4) EEE has participated in Paper Presentation held in the 12th national level student technical symposium held in 2019.
- ✚ Ms P.Triveni of (3/4) EEE has participated in Reverse coding challenge held in Shaastra 2019.
- ✚ Ms V.Jaya Sree (3/4) EEE has participated in Technical Quiz held in the 12th national level student technical symposium held in 2019.
- ✚ Mr K.N.N Naveen, Mr K.Raghu (3/4) EEE has participated in Paper Presentation held in the 12th national



level student technical symposium held in 2019.

- ✚ Mr K.N.N Naveen, Mr K.Raghu (3/4) EEE has participated in technical quiz held in the 12th national level student technical symposium held in 2019
- ✚ Mr.P.sai kumar (3/4) EEE has participated in technical quiz held in the 12th national level student technical symposium held in 2019
- ✚ Mr.T.Pavan (2/4) EEE has participated in circuitry held in the 11th national level student technical symposium held in 2018
- ✚ Mr.P.Sai kumar(3/4) EEE has participated in circuitry held in the 12th national level student technical symposium held in 2019
- ✚ Mr.T.Pavan EEE(2/4) has participated in C programming held in the 11th national level student technical symposium held in 2018
- ✚ Mr.Ch.Sarat (1/4) EEE has participated in Story writing held on engineers day 2016
- ✚ Mr.P.Sai kumar (3/4) EEE has participated in trouble shooting held in the 12th national level student technical symposium held in 2019.

### **STUDENT ASSOCIATIONS:**

#### **INSTITUTE OF ENGINEERS(IEI):**



#### **INDIAN SOCIETY OF TECHNICAL EDUCATION(ISTE):**



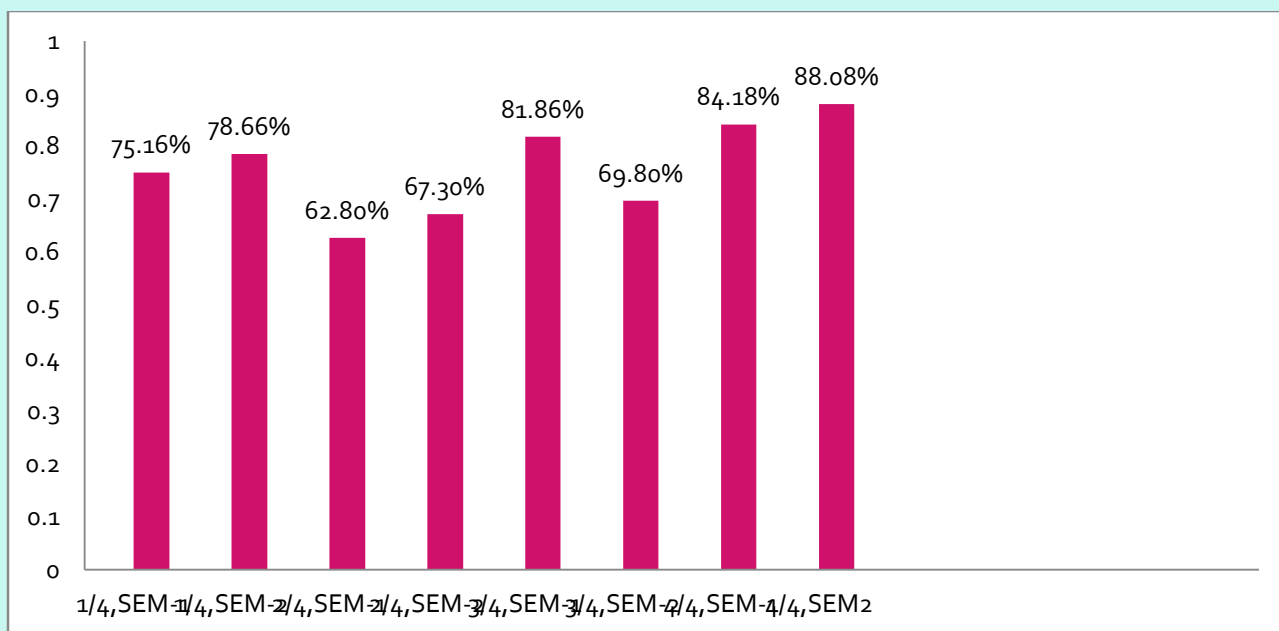
#### **ANITS ELECTRICAL AND ELECTRONICS ENGINEERING(AEEEA):**



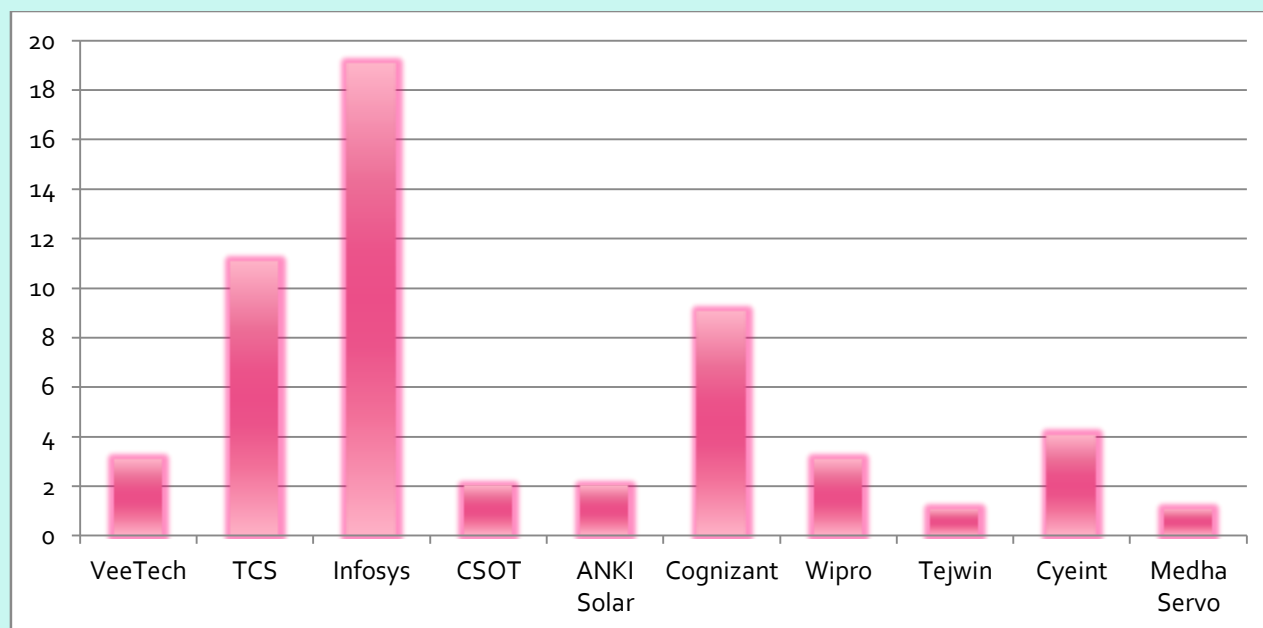
#### **NSS of EEE**



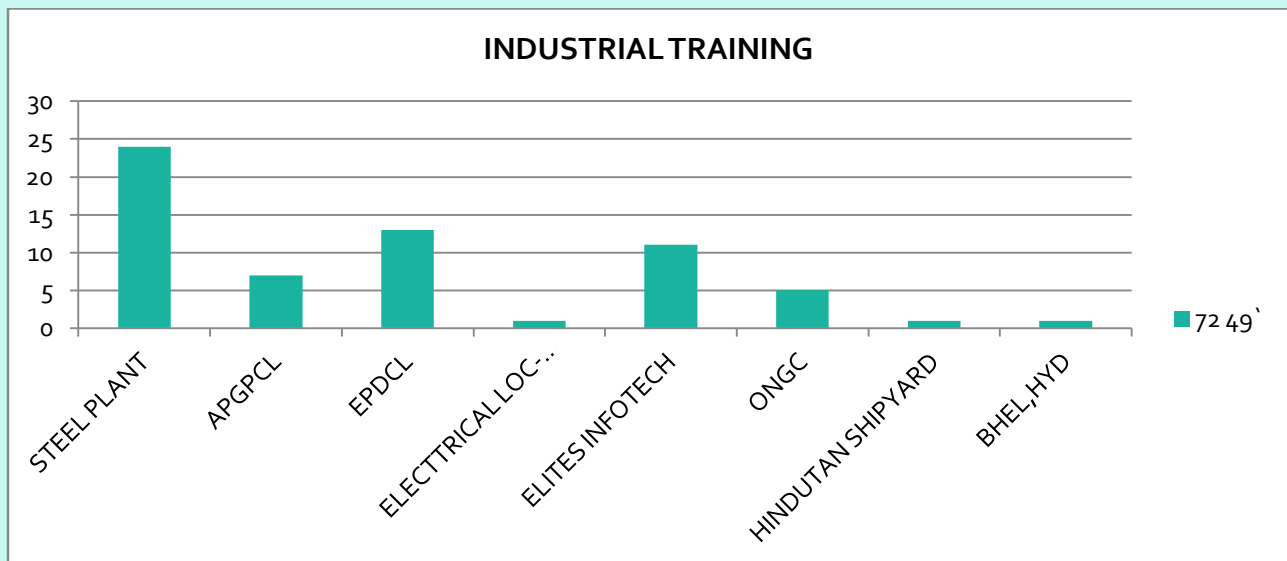
## RESULT ANALYSIS OF 2015-19



## CAMPUS PLACEMENTS 2019 OUTGOING BATCH :



## INDUSTRIAL TRAINING ATTENDED BY III/IV STUDENTS :



## FACULTY OF EEE



## **OUTGOING BATCH 2015-19:**

### **EEE-A**



### **EEE-B**



### **EEE-C**

