



Anil Neerukonda Institute of Technology and Sciences
(UGC Autonomous)
Permanently affiliated to Andhra University Approved by AICTE
Accredited by NBA and NAAC
Sangivalasa-531 162, Bheemunipatnam Mandal, Visakhapatnam Dist,
A.P.
Department of Electrical and Electronics Engineering
Annual News Letter 2021-2022

Chief Patron:

Dr.N.B.R.Prasad,

Chairman, ANES

Patron:

Prof. T.V.Hanumantha Rao

Principal, ANITS

Hod:

Prof. J Vijaya Kumar,

Professor

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P RajPaul, 2/4 B.Tech EEE



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 32 qualified teachers (Meeting the norms of AICTE) headed by Dr. J Vijaya Kumar with 16 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 appropriate to the needs of our nation.

News Letter 2021-2022

PROGRAM OUTCOMES

1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3	Design/development of solutions: 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	Conduct investigations of complex problems: 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	Modern tool usage: 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	The engineer and society: 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	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10	Communication: 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	Project management and finance: 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	Life-long learning: 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. J Vijaya Kumar, Professor & HOD	21 Mr. N. Kiran, Assistant Professor
2 Dr. G. Raja Rao , Professor	22 Mr. J. Uday Venkatesh, Assistant Professor
3 Dr. V. Murali, Associate Professor	23 Mr. Narayana Divakar R V L, Assistant Prof
4 Dr. S. Bala Murali, Associate Professor	24 Mrs. T.V. Subhashini, Assistant Professor
5 Dr. S. Vijay Baskhar Somu, Assoc Professor	25 Mr. T. Subrahmanyam, Assistant Professor
6 Mrs. K.V.R. Swathi, Assistant Professor	26 Mr. S.J.V. Prakash, Assistant Professor
7 Mr. Kavala Kiran, Kumar Assistant Professor	27 Mr. S. M. Divakar, Assistant Professor
8 Mr. B. Raja Sekhar, Assistant Professor	28 Mr. B. Satyanarayana, Assistant Professor
9 Dr. R. Satish, Assistant Professor	29 Mr. T. Narshimulu, Assistant Professor
10 Ms. K. Lavanya, Assistant Professor	30 Dr. D. Rajesh, Assistant Professor
11 Dr. Ch.V. N. Raja, Assistant Professor	31 Mr. M.Dhanujaya Assistant Professor
12 Mr. M. Sudheer Kumar, Assistant Professor	
13 M r. K Trinadh Babu, Assistant Professor	
14 Mr. L Dinesh, Assistant Professor	
15 Mr. S. Harish, Assistant Professor	
16 Mr. A. Dhanamjaya Apparao, Asst Prof	
17 Mr. L. Vijay, Assistant Professor	
18 Mrs. D. Sri Lakshmi, Assistant Professor	
19 Ms. V. Rangavalli, Assistant Professor	
20 Mr. V. Anil Kumar, Assistant Professor	

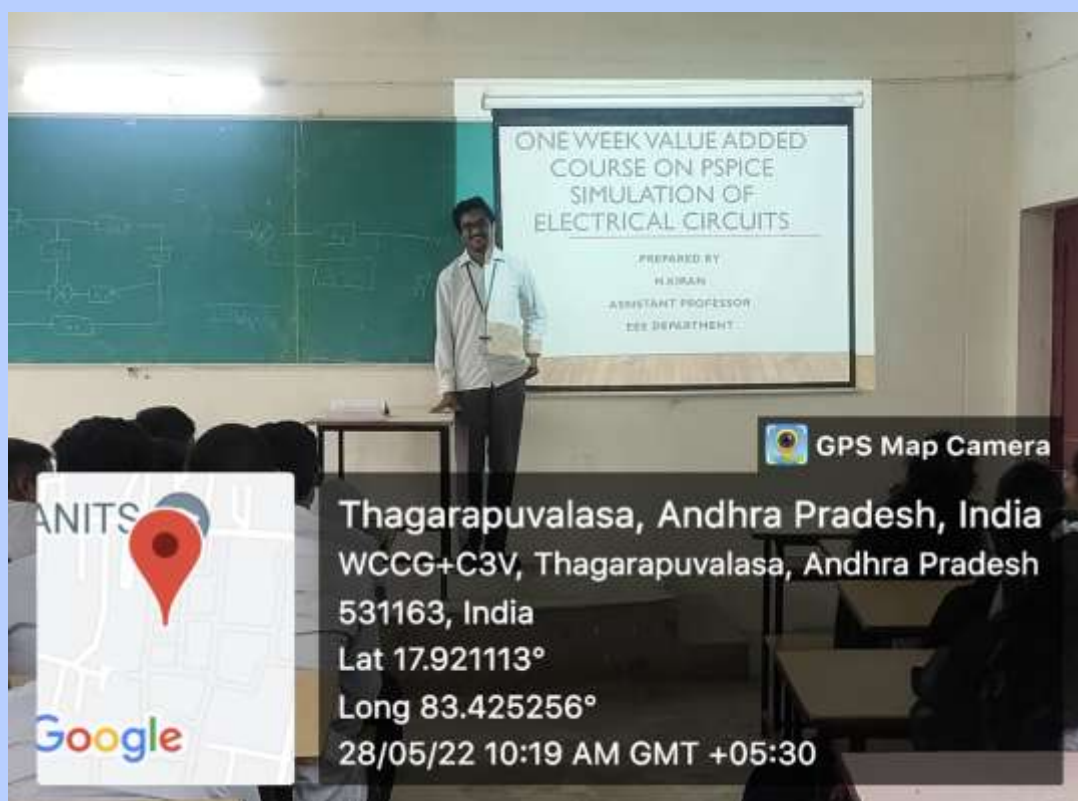
NON – TEACHING STAFF IN THE DEPARTMENT

1. Mr. K Sravan Kumar, Sr. Lab Technician
2. Mr. Venkata R. K.V Dharmani, Lab Technician
3. Mr. K Appala Raju, Lab Technician
4. Mr. S. Venkata Ravi Kumar, Lab Technician
5. Mr. N. Mohan Rao, Lab Technician
6. Mr. R. Venkata Ratnam, Office Assistant
7. Mr. D Rajesh, Lab Helper
8. Mr. K Narasinga Rao, Attender

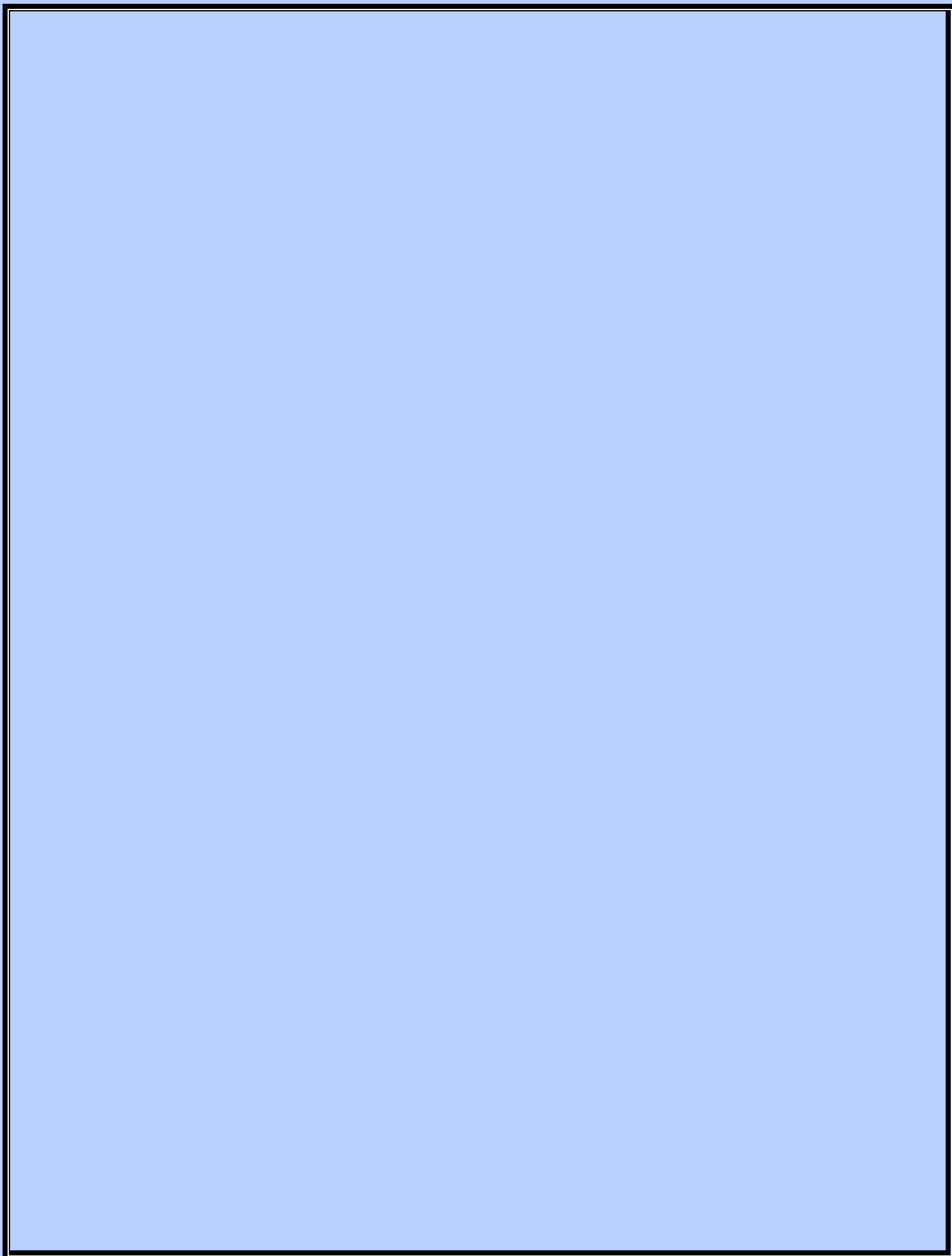
FACILITIES IN THE DEPARTMENT	
No. of class rooms	12
No. of labs	Electrical Machines Lab (both DC and AC) 3 Power Electronic Lab 1 DEMP Lab 1 Network and Measurements Lab 1 Embedded system lab 1 Control System Lab 1
No. of Software lab	Simulation Lab 1 Project Lab 1

VALUE ADDED COURSES:

- a) A Value added course on “**Pspice of Electrical Circuits**” was introduced in curriculum for second year EEE students. The course was taught by Mr. N Kiran, Asst. professor, Dept of EEE.



- b) A Value added course on “**MATLAB essential Tools for Research Applications**” was introduced in curriculum for third year EEE students. The course was taught by Dr. R Satish, Assistant professor, Dept. of EEE.



BOARD OF STUDIES MEETING

Owing to the COVID-19 lock down, the BOS meeting is conducted online. The Chairperson Dr.G. Raja Rao Prof & HOD of EEE welcomed all the BOS members and thanked the members for the support they have rendered.

The Committee has mainly discussed on the scheme and syllabi of 3rd year 1st semester and 2nd semester courses to be taught by EEE faculty under R20 regulations and 4th year 1st semester and 2nd semester courses to be taught by EEE faculty under R19 regulations. The Chairman has presented in brief about honors, minors and conditions to be satisfied for acquiring the same. It is resolved that the Dept. to offer B.Tech (Honors) in tune with APSCHE guidelines for which the student should acquire 20 additional credits to get Honor degree. If the number of the students is less than 10, it may be considered to convert the Theory class to work to MOOCS courses as mentioned in APSCHE/AICTE guidelines. It is also resolved that the Dept. to offer B.Tech (Minor) courses in tune with APSCHE guidelines to eligible students belonging to other disciplines for which the student should acquire 20 additional credits. . If the number of the students is less than 20, it may be considered to convert the Theory class to work to MOOCS courses as mentioned in APSCHE/ AICTE guidelines. Minors can be offered in generic courses, specialized stream of courses offered by the industries. Mr. B. Srinivas Reddy suggested including composite insulators and voltage grade cables in Power Transmission and distribution course. He also suggested to introduce experiments bases on Electric Vehicles & Drives in Electric Machines lab. The Board has discussed in full length and resolved to introduce “Constitutional of India & Intelluctual

Property Rights” as a non credit mandatory course for 2nd year and 1st semester during 2021-22.

IQAC AUDIT IN EEE DEPT:

An internal audit is conducted in the department of EEE on February 2022. 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) have organized the 14th National Level Student Technical Symposium “ARC-22” during 24th & 25th April 2022. The students of final and third year students presented a model of hydro power station along with renewable sources and also decorated the department with their artistic and innovative skills.



✚ Model Presentation

If you see anything, we wish to test it or represent it on a small scale. So, a platform was created to students to exhibit their technical skills and knowledge in an event called model presentation. Above 25 students presented various models in teams. The model with good innovative and technical skills was awarded a prize amount of 3000/-



TECHNICAL EVENTS UNDER ARC 2K19

✚ 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 60 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 12th and 13th March 2020. The winners were awarded with cash prize amount of Rs.2000/-.



✚ 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 60 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.



Circuitry

A platform was created to test the concentration levels of students and sportive skills by an event Circuitry. Around 80 students have participated the event and student was awarded with 1500 rupees.



Technical Quiz

An Technical Quiz is conducted on 13th March 2020 to enhance the technical knowledge of the students. A huge enthusiasm shown by the students to exhibit their technical skills in which 80 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.

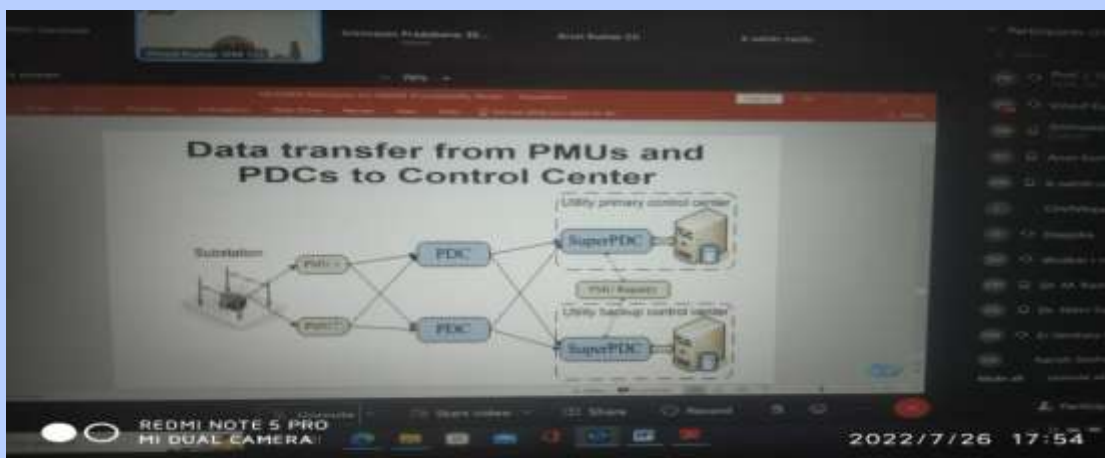
Cultural Event and Valedictory

The cultural event was conducted on 15th April 2022 to showcase the student performance like singing, solo dance, group dance, rock band etc. The valedictory of ARC 2K22, was graced by, Prof. G. Raja Rao HOD, EEE and faculty coordinators Mrs. D Sri Lakshmi and Mr. S Harish 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.



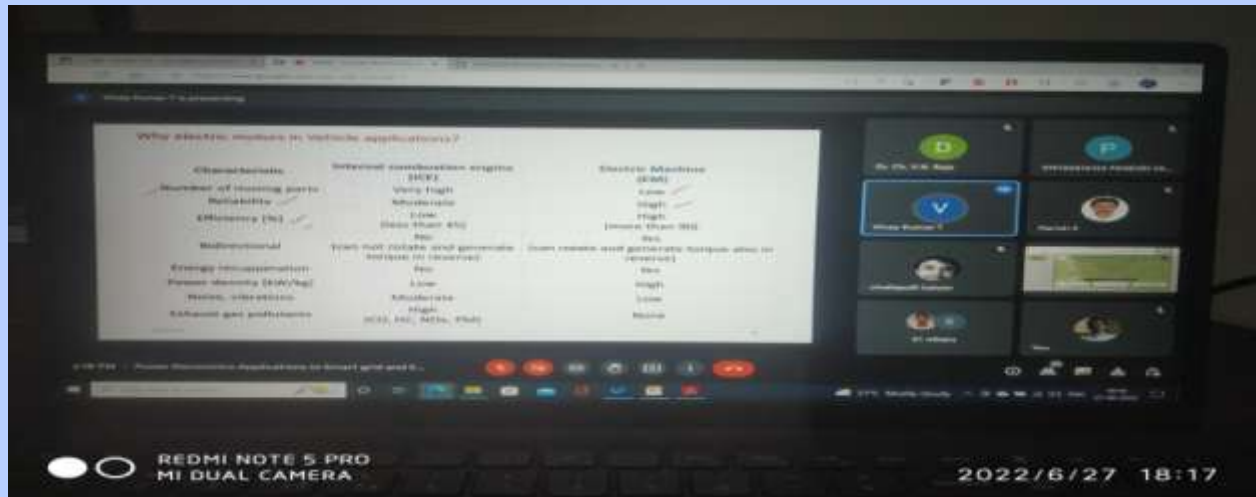
Faculty Development Program:

Prof. J Vijaya Kumar, organized faculty development program “**Cyber Security Challenges, Detection and Mitigation Techniques for the Smart Grid**” from 25th July, 2022 to 3rd August, 2022 in collaboration with E & ICT , NIT, Warangal. This FDP is designed to address various threats and vulnerabilities that can affect Cyber security in the smart grid. It aimed to encourage various zonal professionals/academicians towards research and for their academic quality and improvement. This course offered a unique opportunity to all the participants about the challenges and mitigation techniques with respect to the Cyber security through theoretical sessions along with simulation environment. Around 100 members have taken part in this FDP.



Prof. J Vijaya Kumar and **Mrs. D Sri Lakshmi** organized faculty development program in association with AEEEA, ANITS on “Power Electronics Applications to Smart Grid and Electric Vehicles” during 27th to 1st July, 2022. The various topics covered during this program by resource persons from NIT, Warangal, NIT, Goa and GITAM University. The topics covered under this program are Speed Control of Electric Motor Drives for Electric Vehicle Applications”, “Battery Charges for

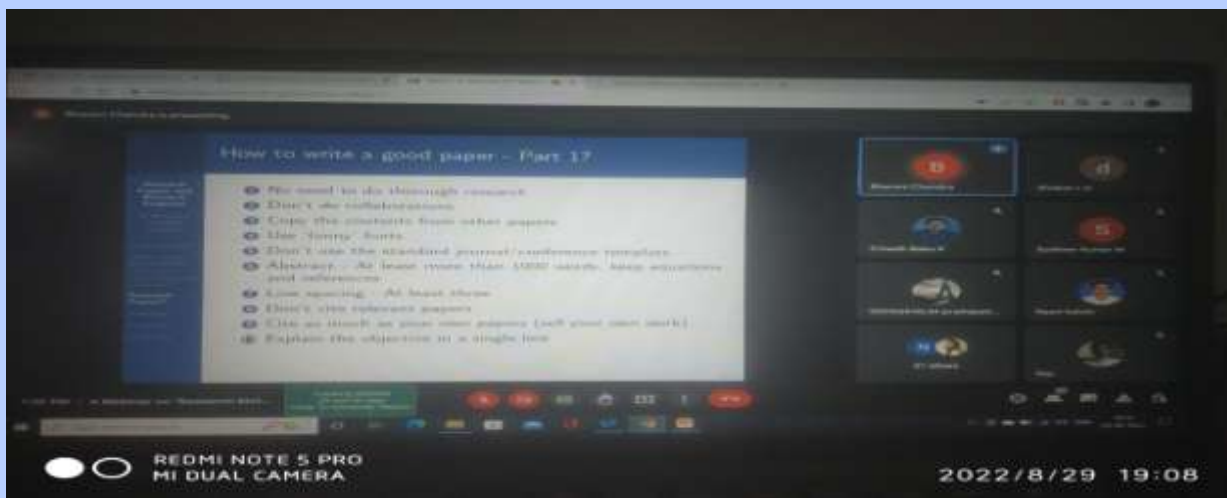
Electric Vehicles” and “Reconfigurable Solar PV Array Strategies for Normal & Partial Shading Conditions.”



An Guest lecture was organized on research methodology “SMART GRIDS AND RENEWABLE ENERGY” on 29th August, 2022 under the AEEEEA association. Dr. P E S N Krishna Prasad addressed how to acquire the data through smart grids using various software technologies. The guest lecture gives the exposure to the faculty (mainly to the faculty pursuing PhD.) on develop new optimization techniques to overcome such optimization difficulties. Around 27 faculty from the department has attended the guest lecture.



An Webinar was organized on research methodology “Research Paper and Research project” on 29th August, 2022 under the AEEEEA association. Dr. Chandra Kumar Bharani Pakki, Professor, Dept. of EE&C, GITAM University was the learned professor for the session. He said that for a quality research it is very important to have the highest standards of integrity, impartiality and respect for data. The webinar also gave information on how to select a research project and to write it. He also gave exposure to how to submit it to get patent. 22 Faculty Members and 38 interested students have participated in the guest lecture.



Guest Lectures Delivered:

- + Dr. T Narshimhulu has delivered a lecture on “Smart Irrigation Using IoT” at MITS-Chittore.
- + Prof. G. Raja Rao has delivered a lecture on “Advanced Control System Design” at SRKR- Bheemavaram
- + Prof. G. Raja Rao has delivered a lecture on “Machine Modelling” at BITS-Visakhapatnam.
- + Prof. J. Vijaya Kumar has attended has session chair for “International Conference On “Breakthrough in Heuristics And Reciprocation of Advanced Technologies (BHARAT-22)” at GITAM University, Visakhapatnam.



FACULTY ACHIEVEMENTS:

- ✚ Prof. J Vijaya Kumar, Dept of EEE was awarded with senior member of the Institute of Electrical and Electronics Engineers(SMIEEEProf. J Vijaya Kumar, Dept of EEE was awarded with membership for.
- ✚ Prof. J Vijaya Kumar, Dept of EEE was awarded as Fellow of Institute of Engineers(India)(FIE(I)).
- ✚ Prof. J Vijaya Kumar, Dept of EEE act as a Session Chair IEEE-Bharat 2022 organizes by IEEE-Vizagbay Section.
- ✚ Dr. V Murali, Associate Prof, Dept of EEE was awarded as Fellow of Institute of Engineers(India)(FIE(I)).
- ✚ Prof. J Vijaya Kumar, organized faculty development program Cyber Security Challenges, Detection and Mitigation Techniques for the Smart Grid from 27th July, 2022 to 3rd August, 2022 in collaboration with E &ICT , NIT, Warangal.

RESEARCH GUIDES

- ✚ Prof. G. Raja Rao, Prof. J. Vijaya Kumar, Dr. V. Murali, Dr.S Balamurali, Dr. R Satish, Dr. Ch. V. N. Raja, Dr. T . Narasimhulu, of ANITS are recognized as research guides from Andhra University with a total of 14 research scholars.

PATENTS

- ✚ Dr R Satish, published a patent with the title “Power Conversion Apparatus”,2021, Application umber: 352469-001.
- ✚ Dr R Satish, filed a patent with the title “A smart urban traffic electric vehicle charging control system for smart cities”2022, Application Number: 202241029643.
- ✚ Prof G Raja Rao, Dr. S Bala Murali, published a patent with the title ” Switched Capacitor Based Multi Level Inverter”,2022, Application No. 202241028780 A.

PROJECTS:

- + Dr. T. Narasimhulu,” Eco-friendly illumination of street lights using solar cell-based LED lights”, UBA-IITD,RP-03525G
- + Dr. T. Narasimhulu,” Development of High Power Packed Battery for EVs”, Seed Money ANITS.
Dr. M Dhananjaya, Prof. G. Raja Rao,” Development Of High Power Bidirectional Dc-Dc Converter”, Seed Money ANITS

FACULTY PUBLICATIONS

- + Prof J Vijaya Kumar, “Energy Efficient Photovoltaic-Electric Spring for Real and Reactive Power Control in Demand-Side Management”, *Frontiers in Energy Research, Smart Grids*, 2022, ISSN: 2296-598X(SCI).
- + Dr. R Satish and Dr. S Bala Murali, “Single phase universal power compensator with an equal var sharing approach”, *Energies*,2022, ISSN: 1996-1073(SCIE).
- + Dr. R Satish “A new algorithm for harmonic impacts with renewable DG and non-linear loads in smart distribution networks”, *Technology and Economics of Smart Grids and Sustainable Energy, Springer*,2022, ISSN: 2199-4706(SCIE).
- + Dr. M Dhananjaya, “A New Multi-Output DC-DC Converter for Electric Vehicle Application”, *IEEE Access*,2022, ISSN: 2169-3536(SCIE).
- + Dr. Ch V N Raja,” Fault Rectification in Grid Connected PV System for Maximum Power Point Tracking Using IT-SMC”, “*GIS. Science*,2022”, ISSN:1869-9391,(SCOPUS).
- + Dr. T Narasimhulu,”Development Of Algorithm For The Order Reduction Of High Order Dynamic Systems Adopting Affine Arithmetics”, “*Journal Of Harbin Institute Of Technology*”, ISSN:0367-6234(SCOPUS).
- + Dr. M Dhananjaya, “Design and Implementation of a New Inverter Topology with Reduced THD and Part Count”, “*International Journal of System Assurance Engineering and Management-Springer*,2021”, ISSN: 0976-4348(SCIE).
- + Dr. M Dhananjaya, “Ahmad Taher AzarTwo-Degree-of-Freedom Tilt Integral Derivative Controller based Firefly Optimization for Automatic Generation Control of Restructured Power System”, “*International Journal of Computer Applications in Technology (Inderscience)*,2021”, ISSN: 1741-5047(SCIE).
- + Dr. M Dhananjaya,” Integrated multi-input DC-DC converter with reduced switches”, “*International*

Transactions on Electrical Energy Systems-Wiley”2021, ISSN:2050-7038(SCIE).

- ✚ Dr. R Satish “ A Novel Three Phase power Flow Algorithm for the Evaluation of the Impact of Renewable Energy sources and D STATCOM Devices on Unbalanced Radial Distribution Networks”, *Energies, 2021, ISSN:1996-1073(SCIE).*
- ✚ Dr. R Satish “ A Novel Three Phase Harmonic Power Flow Algorithm for the Unbalanced Radial Distribution Networks with the presence of D STATCOM Devices”, *Electronics, 2021, ISSN:2079-9292(SCIE).*
- ✚ Dr. G Raja Rao and Mr. L Dinesh,” Implementation of Unified Power Quality Conditioner Based on Variable Phase Angle Control Method”, “*Innovative Systems Design and Engineering*”,2021, ISSN: 2222-2871(SCIE).
- ✚ K Lavanya and V Rangavalli, “A Unified Control and Power Management Scheme for PV-Battery based Micro Grid in Islanded Mode”, *International Journal of Advanced in Management, Technology and Engineering Sciences*,2022, ISSN: 2249-7455(UGC).
- ✚ N Kiran, D Sri Lakshmi, K Trinadh Babu, “Single Phase Multi-level inverter with

Pulse width Modulation technique”, *International Journal of Management, Technology And Engineering. 2022, ISSN: 2249-7455(UGC).*

- ✚ Dr. R Satish,” Evaluation of Algorithms for Fundamental and Harmonic Impacts of Integration of Renewable Energy Sources in Smart Power Distribution Networks”,” *Next Generation Smart Grids: Modeling, Control and Optimization*”2022, ISSN: 978-981-16-7794-6(Springer).

BOOKS CHAPTERS

- ✚ Dr. Ch. V.N. Raja,” A Comparative Study in the Design of an Ann Based Controller” in “*Advances in Electrical Engineering*”, AkiNik Publications.” ISBN: 978-93-90846-55-9.
- ✚ Dr. Ch. V.N. Raja,” Implementation of IT-SMC for Fault Rectification in a Grid-Connected PV System for Maximum Power Point Tracking”, “*Advances in Electrical Engineering*, AkiNik Publications.” ISBN: 978-93-90846-55-9
- ✚ Dr. G. Raja Rao, Dr. T. Narasimhulu,” A New Algorithm for the Order Reduction of High Order Uncertain Systems” in “*Advances in Electrical Engineering*, “AkiNik Publications,” 978-93-90846-55-9
- ✚ Dr. G. Raja Rao, Dr. T. Narasimhulu,” A New GSM and Wifi Module Based Advanced Smart Irrigation Monitoring System Using Iot” , “*IEEE digital Library*”.

PAPER REVIEWERS

- ✚ Prof. J Vijaya Kumar , was a paper reviewer for “*Advances in Electrical & Electronic Engineering (Scopus), Czech Republic*”.
- ✚ Prof. J Vijaya Kumar , was a paper reviewer for “*International Journal of Electrical and Computer Engineering Systems (IJECEs), (Scopus), Croatia*”.
- ✚ Prof. J Vijaya Kumar , was a paper reviewer for “*IEEE-BHARAT-2022*”
- ✚ Mrs. K Lavanya, was a paper reviewer for “*Walailak Journal of Science and Technology (WJST)*”.
- ✚ Dr T Narasimhulu, was a paper reviewer for “*IEEE- Banglore Section*”.
- ✚ Dr. M Dhananjaya was a paper reviewer for “*International Journal of Circuit Theory and Application-Wiley*”.
- ✚ Dr. M Dhananjaya was a paper reviewer for “*International Journal of Circuit Theory and Application-Wiley*”.
- ✚ Dr. M Dhananjaya was a paper reviewer for “*International Journal of Electronics-Taylor & Francis*”.
- ✚ Dr. M Dhananjaya was a paper reviewer for “*IEEE-BHARAT-2022*”.
- ✚ Dr. R Satish was a paper reviewer for “*International Journal of latest technology in Engineering, Management and applied sciences*”.

WORKSHOPS ATTENDED BY FACULTY

- ✚ Mr. G.Raja Rao attended FDP on “Integration of renewable energy and smart grid for smart cities” during 07-03-2022 to 12-03-2022.
- ✚ Prof. J. Vijaya Kumar attended Workshop on “Nature Inspired Optimization

Techniques & Microgrid Applications” during 21-03-2022 to 26-03-2022.

- ✚ Dr. V Murali attended NPTEL Course on “Power Systems Engineering” during 21-03-2022 to 26-03-2022.
- ✚ Dr. R. Satish attended FDP on “Integration of renewable energy and smart grid for smart cities” during 07-03-2022 to 12-03-2022.
- ✚ Mr.B Rajasekhar attended FDP on “Pedagogy To Develop Quality Initiatives: A Student-Centric Learning” during 16-08-2022 to 21-08-2022.
- ✚ Mrs. D Sri Lakshmi attended STTP on “Soft Computing Techniques in Electrical Systems” during 14-03-2022 to 19-03-2022.
- ✚ Mr. Kavala Kiran Kumar attended STTP on “Soft Computing Technique” during 14-03-2022 to 19-03-2022.
- ✚ Mr. A Dhananjaya Apparao attended FDP on “Integration of renewable energy and smart grid for smart cities” during 07-03-2022 to 13-03-2022.
- ✚ Mr. N.Kiran attended STTP on Soft Computing Techniques in Electrical Systems during 14-03-2022 to 19-03-2022.
- ✚ Mr. J Uday Venkatesh attended FDP webinar on Automotive Battery Management System during 13-09-2021 to 25-09-2021.
- ✚ Mr. B Satyanarayana attended ATAL FDP on “IOT Interfaced Smart Grid Technology” during 09-08-2021 to 13-08-2021.
- ✚ Mrs. T. V. Subhashini attended STTP on “Soft Computing Techniques in Electrical Systems” during 14-03-2022 to 19-03-2022.

- ✚ Mrs. V.Rangavalli attended “AICTE-ISTE Refresher program on Introduction to Electric Vehicle” during 14-03-2022 to 21-03-2022.
- ✚ Mrs. K. Lavanya attended “AICTE-ISTE Refresher program on Introduction to Electric Vehicle” during 14-03-2022 to 21-03-2022.
- ✚ Dr. Ch Varaha Narasimha Raja attended FDP webinar on “Automotive Battery Management System” during 13-09-2021 to 25-09-2021.
- ✚ Mr. S.Harish attended STTP on “Soft Computing Techniques in Electrical Systems” during 14-03-2022 to 19-03-2022.
- ✚ Dr. T. Narasimhulu attended 40 hr online FDP on “Applications of Power electronics in electric vehicles and energy storage” during 14-02-2022 to 22-02-2022.
- ✚ Mr. M Sudheer Kumar attended FDP on “Pedagogy To Develop Quality Initiatives: A Student-Centric Learning” during 16-08-2022 to 21-08-2022.
- ✚ Mr K. Trinadh Babu attended FDP on “Pedagogy To Develop Quality Initiatives: A Student-Centric Learning” during 16-08-2022 to 21-08-2022.

Faculty members **Ms T. V.Subhashini** and **Mr. A. Dhnamjaya Apparao**.



POWER SUBSTATION VIST BY STUDENTS

1. An Industrial Visit to Hindustan Shipyard Ltd, Gandhigram, **Visakhapatnam** was organized by the Dept. of EEE for **II/IV B.Tech, SEM-II** EEE-B students on **25/06/2022, Saturday** to provide an Industrial exposure to the students. Total **55 students** were accompanied by 2

2. An Industrial Visit to 400KV Sub Staion, Kalapaka, Paravada, **Visakhapatnam** was organized by the Dept. of EEE for **II/IV B.Tech, SEM-II** ECE-A & C students on **26/02/2022, Saturday** to provide an Industrial exposure to the students.Total **108 students** were accompanied by 2 Faculty members **Mrs D Sri Lakshmi & Mr. V Anil Kumar** on 26/02/2022.



CLUB ACTIVITIES

- ✚ Rangoli competition was conducted on 12/01/2022 on the occasion of National Youth day through online mode. The theme was “Festive” as the pongal is nearer and brought out the fervor of the students. Around 36 students have participated and showed their drawing and artistic skills.



- ✚ NSS Club of EEE department has organized an “Eco-friendly Plantation Programme” in ANITS on 21 st March, 2022.



- ✚ NSS Club of EEE department has organized an “Eco-friendly Plantation Programme” outside ANITS on 21 st March, 2022. Around 300 plants are distributed near and around Tagrapuvalasa.

- ✚ Women Grievances cell organized an awareness program “How to use Social Networking Apps and how Grievances Cell Operates.” On 6th July, 2022 at simulation lab for girl students. Mrs. D Sri Lakshmi, In charge of Women Grievances Cell addresses the Gathering .



✚ Cultural and Sports club has organized sports on National Sports Day to commemorate the birthday of Indian Hockey Legend Major Dayan Chand on 26/8/2022 to 28/08/2022 in EEE department. Events like Throw ball for girls and cricket for both boys and girls was organized.



✚ NSS Club of EEE dept. has organized Blood Donation camp on 12th November, 2021.



✚ NSS club has organized “Orphanage Visit” on 24th Sep, 2021. The students visited an orphanage at Marakavalasa and distributed stationary items to children.



- AEEE Association organized a program ‘Science Talentio’ on the occasion of ‘National Science day’ on 28th Feb, 2022.



- The AEEEA has hosted the small get together to welcome New Year in simulation lab on Jan 1st, 2022.



- On the Occasion of International women’s Day 2022, (“Break THE BIAS”) the institution has celebrated 3 days program in various events. The dance competition was scheduled for both lady faculty and girl students. Mrs. D Sri Lakshmi, assistant professor has won Second prize in dance solo and the girls team consisting of all year students has won prize in group dance.



- The Department hosted the Navarathri Pooja event on 12th Oct, 2021 under the supervision of Mr. L vijay and Mrs. D Sri Lakshmi.



- Orientation Program for First year students for the admitted batch 2021-22 was organized by the Department of EEE on 22nd December, 2021 to 24th December 2021. 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 performed various activities like dancing and singing. Second Year students interacted with freshers and they gave an insight of career opportunities and student life at ANITS campus.



✚ An competitive event named “Start Up India” (Presentation on Business Ideas) was organized conducted by EEE department on the eve of ARC 2022 on 18-04-2022 (Monday) and 19-04-2022 as an inter college competition. Teams of Various college have taken part in the event and presented their ideas.



PROGRAMS UNDER INSTITUTE OF ENGINEERS(INDIA)

✚ One Week Work Shop on “Training Program on Mat Lab” for the Non-Teaching Staff of ANITS was organized from 14/06/2022 to 20/06/2022. The resource persons are Mr.L.Dinesh and Mr.S.M.Diakar. The Non-teaching staff were introduced to MATLAB programming environment and the four frames of MATLAB window. They were acquainted with the various toolboxes of MATLAB and real time applications of MATLAB. The entire session was very interactive and the staffs were demonstrated with various simple simulink diagrams. Through this workshop the non-teaching staff able to explore the impact of MATLAB.



✚ A Guest Lecture on “Career Opportunities after Engineering (GATE & ESE)” was organized on 09-04-2022 organized by the Department of Electrical and Electronics Engineering in association with IQAC and IE(I) ANITS. The resource person for the seminar is Mr.Jitendra Tiwari (Made-easy Education Pvt.Ltd). During his visit he delivered a talk on list of the best career options after engineering for students who are

wondering what to do after engineering. They are like Higher Studies, Public Service Undertakings, Management, Entrepreneurship and Civil Services etc... Students gain some knowledge about those opportunities.



- ✚ A Seminar on “Energy, Climate change & I” on 24-05-2022 organized by the Department of Electrical and Electronics Engineering in association with IQAC and IE(I) ANITS. The resource person for the seminar is Dr. Chetan Singh Solanki, Professor IIT Bombay & Founder of Energy Swaraj Foundation. During his visit he delivered a talk which covered Philosophical, technical, economic, social, and environmental aspects of energy and climate changes, along with a demonstration of the Energy Swaraj bus having facilities for working, meeting, sleeping, cooking, washing, and training. In his talk he said that, the Energy Swaraj Yatra (2020-2030) is sowing the seeds for energy independence to create a better and beautiful world.



- ✚ A Webinar on “HEALTH and HYGIENE” for the girl students of ANITS organized on 24/01/2022 by IE(I) student chapter by Mrs. K Lavanya. **Dr. K. Shalini, MD (Dermatology)** Addresses the students on the health issues related the menstrual Hygiene.



PROGRAMS UNDER INSTITUTION INNOVATION COUNCIL:

- ✚ An guest lecture on “Career opportunities in Core and Software” was organized for 2/4 EEE students on 26-04-2022 under Institution Innovation council by coordinator Mrs. T V Subhashini. Resource person Mr. S. M. M. Trinadh, Senior faculty, ACE Academy addressed the gathering on how to built up the career in core and software.



- ✚ An online Guest Lecture was organized for 2/4 EEE Students of ANITS on “Critical Success Factors for Career Ahead.” Resource Person Shri Devi Prasad Rambhatla garu, Senior Vice President and Sector head, Retail Services and Transportation, Wipro Limited addressed the students what are the factors which help in building a success career.



- ✚ An online Webinar on “Design Thinking and Patent Filing” was organized for faculty of EEE and final year students on 30-08-2022. Resource person Dr Kasa Sudheer, Professor & HOD of EEE & IEDC Coordinator spoken how patent filing is important for the faculty academically. He also explained how to get a patent for an faculty and students also if their idea is innovative.



- ✚ For 4/4 EEE students, an online Guest lecture on “Intellectual Property Rights” was organized on 11-08-2022. Our resource person, Dr. Sankar Peddapati, Dean of Research and Consultancy, NIT A.P spoken about the legal rights given to the inventor or creator to protect his invention or creation for a certain period of time.



- ✚ For 3/4 EEE students, an online Guest lecture on “Intellectual Property Rights” was organized on 29-08-2022. Our resource person, Mr. M. Hemanth Kumar (MD) Shriyan Engineering Associates spoken about the legal rights given to the inventor or creator to protect his invention or creation for a certain period of time.



- For 1/4 EEE students, an online Guest lecture on “Role of Interdisciplinary Computing, Innovation and Career Opportunities” was organized on 11-08-2022. Resource person, Dr. V. Sandeep, Assistant Professor and Head of the Dept., EEE, NIT A.P addressed the gathering about the innovation involved and being done interdisciplinary and where it is helping in career opportunities.



- An expert lecture on “Solid State Analog Circuits” was organized for 2/4 EEE students on 27-04-2022. Resource person, Mr. S. M. M. Trinadh, Senior faculty, ACE Academy addressed the gathering about the analog circuits which are ruling the present scenario made up of solid state devices.



- An online webinar Lecture was organized for 2/4 EEE Students of ANITS on 24-06-2022 on “What industry is expecting?” Eminent speaker, Mr. K Madanmohan, Managing Director, HIEE private limited addressed the students on what industry is expecting from graduate freshers. They are expecting following skills – Attitude, Aptitude, Application level knowledge.



- An Offline Guest Lecture was organized for 4/4 EEE Students of ANITS on 18-08-2022 on “Entrepreneurship.” Our Resource Person, Mr. B. Shanmukh Prem Kumar, Entrepreneur & Business consultant Winzera Pvt. Ltd spoken on how to set up a business and to get profits, how one should take financial risks.



Students Qualified in Competitive exams:

- ✚ Dileep Marisarla of batch 2018-2022 has secured a score of 400 marks with rank 4748 in GATE 2022
- ✚ Devadula Sanjeev Kumar has secured a score of 328 marks with 11088 rank in GATE 2022.
- ✚ Saragadam Sri Harsha, Kumar has secured a score of 353 marks in GATE 2022 .
- ✚ Saragadam Sri Harsha batch 2018-2022 has qualified and secured a 31st rank in AP-ICET.
- ✚ Jaswanth Erusu and Gautam Saurav of batch 2018-2022 has qualified for GRE 2022.
- ✚ Saragadam Sri Harsha of batch 2018-2022 has qualified for CAT 2022 with score of 49.48.

Students Enrolled into higher education:

- ✚ Reddi Charan Kumar graduated with B.Tech in EEE has enrolled for M.Tech in NIT, Rourkela with a gate score of 400.
- ✚ Gautam Saurav graduated with B.Tech in EEE has enrolled for MS in an prestigious

institution New Jersey Institute of Technology.

- ✚ Gorle Shanmukha Narayana graduated with B.Tech in EEE has enrolled for M.Tech and MS in an prestigious institution Indian Inst. of space technology and secured score of 316 marks with rank of 14509.
- ✚ Rambhatla Sai Pavan Kumar graduated with B.Tech in EEE has enrolled for MS in an prestigious institution The University of ILLINOIS of Chicago.

STUDENTS PARTICIPATION IN CIRCULAR AND EXTRA CIRCULAR AND SPORT ACTIVITY

- ✚ Mr. P.Sunil Kumar has participated in state level cycle race with an entitle “Spartain-pedal Club(BRM-200km)” and secured first place.
- ✚ Mr. P.Sunil Kumar has participated in state level cycle race with an entitle “Spartain-pedal Club(BRM-300km)” and secured second place.
- ✚ Mr. P.Sunil Kumar has participated in state level cycle race with an entitle “Spartain-pedal Club(BRM-1000km)” and secured Second place.
- ✚ Mr. P.Sunil Kumar was awarded with with “Super Randonneur award” by “Spartain-pedal Club.”
- ✚ Ms. B Vagadevi was awarded has “Best NSS Volunteer” by principal, ANITS for her valuable contribution in NSS activities throughout her study in ANITS.
- ✚ Ms. Joyce Christina was awarded with appreciation certificate in the National competition, “ The Quill house Writers Arena”held by Quill House Publication.
- ✚ Ms. Joyce Christina, “To My Mom”, “Spectrum of Thoughts Publication,A unit

if FanatiXx”,dec 2021, ISBN:978-93-5452-594-0.

- ✚ Ms. B Kokila has secured first place in sailing competition in Inter Group competition(Nau- sainik Camp) held at Vizag Steel Plant.
- ✚ Mr. L Ravi Kumar and Mr.S Akhil has secured first place in technical quiz held during the ARC 2022- a two day National level technical symposium.
- ✚ Ms. M Joyce Christina and Mr. Raj Paul has secured second place in technical quiz held during the ARC 2022- a two day National level technical symposium.
- ✚ Ms. G Sai Sowmya and Ms. V Suneela has secured second place in Ensemble held during the ARC 2022- a two day National level technical symposium.
- ✚ Ms. S Sara Evangelni and Ms.N Durga Bhavani has secured first place in Paper Presentation held during the ARC 2022- a two day National level technical symposium.
- ✚ Ms. G Shubhada and Ms. K Yuktha Priya has secured second place in Paper Presentation held during the ARC 2022- a two day National level technical symposium.
- ✚ B Vagadevi, G Sandhya Rani, K Ramya Sree, J Sai sahitya, V Reshma, A

Anupama, Cd Deepthi has secured first place dance competition(Group) held during International Women’s day- Break The Bias, ANITS.

- ✚ B Amrutha, T Gloria Prasanna, M Anuradha, G Varshitha has secured second place dance competition(Group) held during International Women’s day- Break The Bias, ANITS.
- ✚ B Vagadevi has secured first place in Rongoli competition held during International Women’s day- Break The Bias, ANITS.
- ✚ K Swetha Reddy and K chitti Thalli Reddy has Secured First place during Quiz competition held during National Science Day- Talentio.
- ✚ K Swetha Reddy and K chitti Thalli Reddy has Secured First place during Quiz competition held during National Science Day- Talentio.
- ✚ G. Akhil Reddy, K. Bindu Sagar, L. Sushma, D.V.S.S.N. Prasanth has secured first prize in Model presentation held during the ARC 2022- a two day National level technical symposium.

STUDENT ASSOCIATIONS
INSTITUTE OF ENGINEERS (IEI):



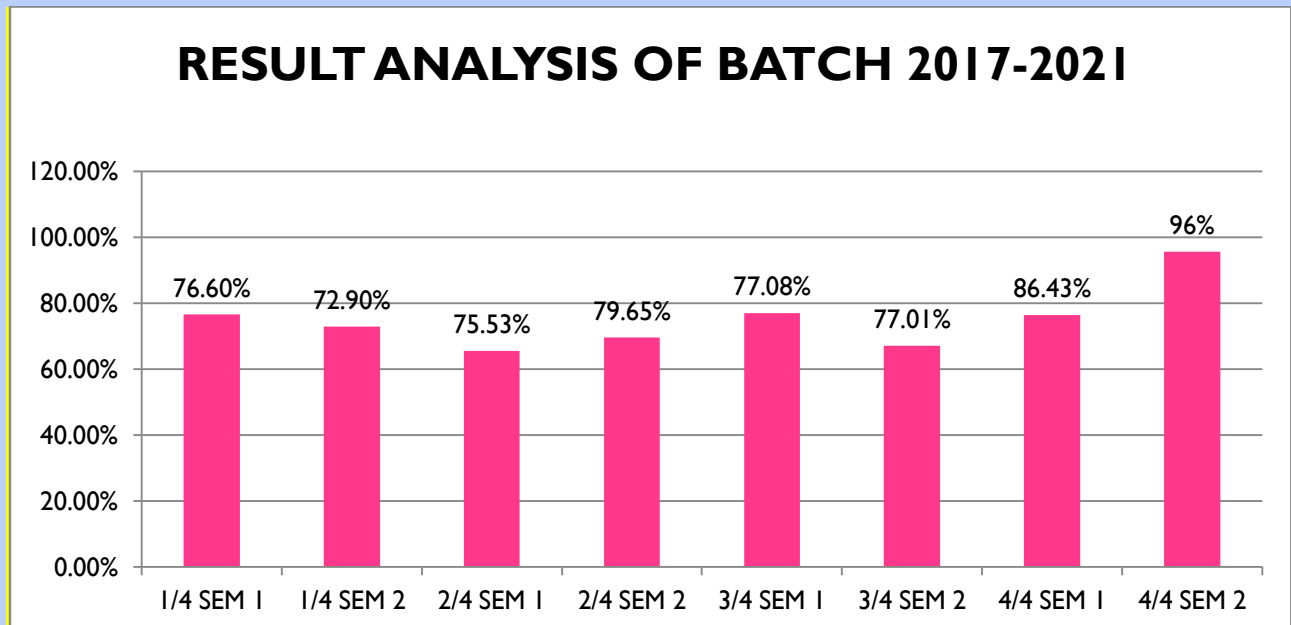
INDIAN SOCIETY OF TECHNICAL EDUCATION(ISTE):



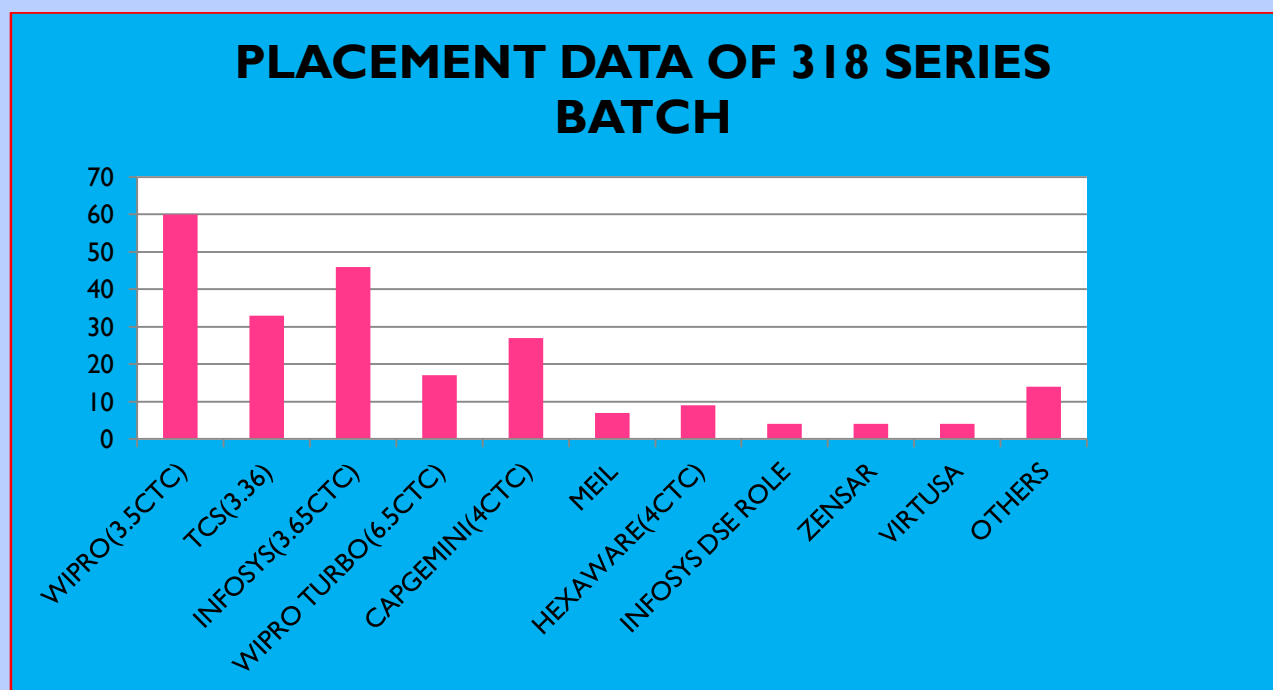
ANITS ELECTRICAL AND ELECTRONICS ENGINEERING ASSOCIATION(AEEEA)



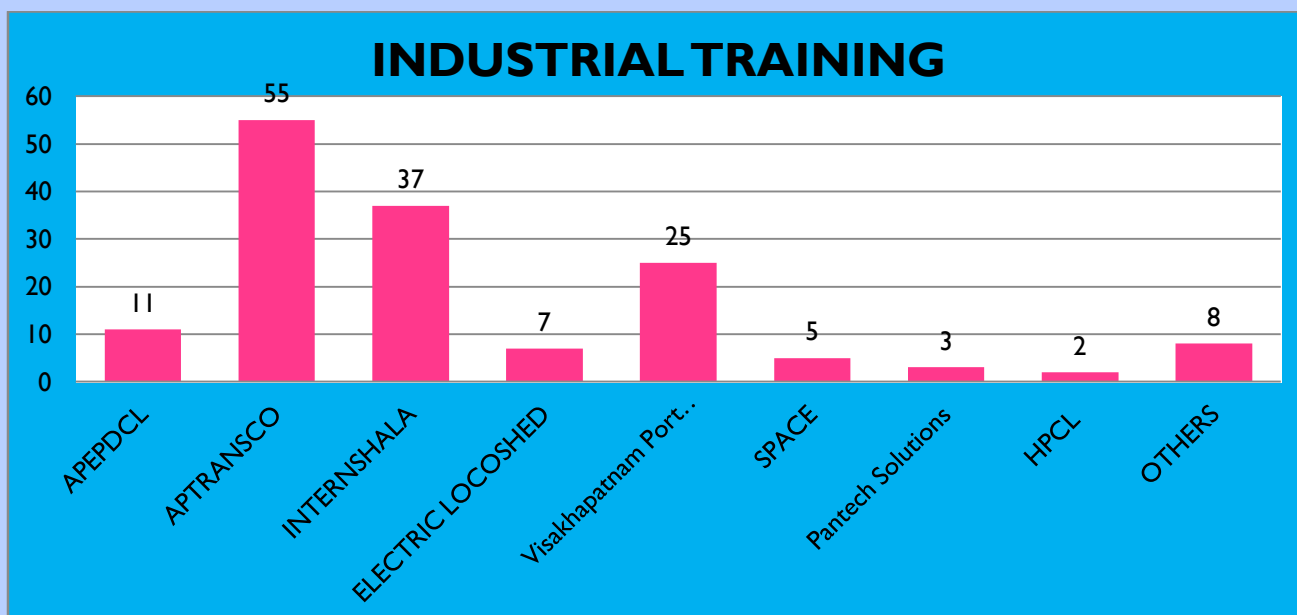
RESULT ANALYSIS OF 2017-21



CAMPUS PLACEMENTS 2022 OUTGOING BATCH :



INDUSTRIAL TRAINING ATTENDED BY III/IV STUDENTS :



FACULTY OF EEE



OUTGOING BATCH 2018-22

EEE-A



EEE-B



EEE-C



