



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 2020-21

Chief Patron:

Dr.N.B.R.Prasad,

Chairman, ANES.

Patron:

Prof.T.V.Hanumantha Rao,

Principal

Hod:

Prof.G.Raja Rao,

Professor

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Ch. Sampathi, 3/4 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 40 students and later increased to 60 in the year 2002-03. The intake further increased to 120 and 180 in the years 2009-10 and 2014-15 respectively. The UG program in EEE department was accredited by NBA in July 2008 for three years and was re-accredited in August 2013. A PG course with CONTROL SYSTEMS specialization is also being offered by the department with an intake of 18. The department was granted recognition as a research center to provide guidance to full time / part-time Ph. D. scholars.

News Letter 2020-2021

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

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 Network Lab 1 Electrical Measurements Lab 1 Control System Lab 1
No. of Software lab	1 Simulation Lab

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 objective 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 2020-21 was organized in March-2020 and February-2021. Due to COVID, first two meetings are held online through Google meet and last meeting was held offline in simulation lab. Main agenda for these meetings about ready of files for NBA visit, CO analysis for 316 batch, PO attainment analysis for 315 and 316 batches, 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 student's 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 and bridge classes for the admitted lateral entry students of AY 2020-21. 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. In the meeting Dr. J Vijaya Kumar, Professor and Mr. S Bala Murali was given with responsibility of files for NBA visit. Also, faculty are asked to take care of students presence in classes as they are done online. In one of the meeting, it was decided to conduct viva voce for 317 batch as a assessment for summary internship.

BOARD OF STUDIES MEETING

Due to COVID, Board of Studies meeting was held online on **12th June, 2020** at 5:00 p.m. through Googlr meet with the agenda review of autonomous syllabus second year Sem I and II model curriculum was proposed by the following members Dr.G.Raja Rao Chairman BOS HOD EEE. Prof J Vijaya Kumar, Prof., 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, Mr. B.Srinivas Reddy GM(Electrical), RINL, VSP as Industry Member. Sri P.Santosh Kumar Manager L&T Chennai as Alumni. as Special Invitee, Associate Professor of EEE and group coordinates as members. In this meeting, Mr. B Srinivasa Reddy suggested to include transducers in Electrical measurements course and also Diesel Power Plant, Measurement of Illumination in EPGU course.

ORIENTATION PROGRAM

Orientation Program for First year students for the admitted batch 2020-21 was organized at the centre level in December, 2020 for one week. The students were introduced about various facilities available in the college. Two days in the week are sent to their respective departments. 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 freshers and they gave an insight of career opportunities and student life at ANITS campus.

INSTITUTE OF ENGINEERS (INDIA) Student Chapter Activates:

1. National level Online quiz on “Power Systems (PS)” was conducted by IEI student chapter, ANITS on 27-06-2020 to 30-06-2020.
2. National level online quiz on “Power Electronics (P.E)” was conducted by IEI student chapter, ANITS on 27-06-2020 to 30-06-2020.
3. National level online quiz on “Linear Control Systems (LCS)” was conducted by IEI student chapter, ANITS on 27-06-2020 to 30-06-2020.
4. As a part of Michael Faraday birthday, a wall magazine competition on “Recent Trends in

WORKSHOP ATTENDED BY FACULTY:

- ✚ Mrs D Sri Lakshmi, assistant professor, has successfully completed the quiz on “Outcome based Education” organised by Vardhaman college of Engineering, Hyderabad, on 06/08/2020.
- ✚ Mrs. D Sri Lakshmi has participated 6 days national level Faculty development program on “Industrial safety-need of the day”, during 22nd to 27th June 2020,

EEE” was organized by the Institution of Engineers (India) – EEE Students Chapter, Anits. Students of 3/4 & 2/4 EEE have participated in this program. All the proceedings of the competition were conducted by IEI coordinators. All the students collected innovative topics related electrical concepts and presented in wall magazine competition. Each team will have to compete with one another to design the most attractive, informative wall magazines.



organized by chemical department of N.G. Patel Polytechnic, Surat.

- ✚ Mrs. D Sri Lakshmi has participated the National Level Webinar on “Grid Operations and Power Purchase” organized by Department of EEE, ANITS, Visakhapatnam, on 18/06/2020.
- ✚ K Trinadh Babu, Assistant Professor of ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES has participated in The National level

Webinar presented by Dr Pratyush Chakra borthy,BITS Pilani, Hyderabad campus, organized by Department Of EEE,ANITS,Visakhapatnam on 11/12/2020

✚ Mr K Trinadh Babu, Assistant Professor of ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES has attended a workshop on Entrepreneurs Mindset organised by ANITS-IIC on 30.06.2020

✚ Mr.K. Trinadh Babu, has participated in A Five-Day National Level Online Faculty Development Program on “Skill Development for Effective Research and Teaching - Learning Process”, organized by Department of Electronics and Communication Engineering, Anil Neerukonda Institute of Technology and Sciences (ANITS), Visakhapatnam, during 8th - 12th June 2020.

✚ Mrs. Rangavalli Vasa has participated an AICTE sponsored one week online STTP on “ Role of Electric Vehicles in Smart cities vision of India: opportunities and challenges” at VVIT , Nambur during 26th - 31st October 2020

✚ Mrs. Rangavalli Vasa has participated an AICTE sponsored one week online STTP on “ Recent Trends in Power Electronics & IoT Applications to Electric Vehicles” at VVIT , Nambur during 23rd - 28th November 2020.

✚ Mrs. Rangavalli Vasa has participated an AICTE sponsored one week online STTP on “ Recent Trends and Challenges in Power market with Smart grid Technology” at VRSEC ,

Vijayawada, during 2nd - 7th November 2020.

✚ Mrs. Rangavalli Vasa has participated an AICTE sponsored one week online STTP on “Smart Microgrid & Its Future Trends” at Lendi Institute Of Engineering & Technology,, Vizianagaram, during 16th -21st November 2020.

✚ Mr. N. Kiran, has attended one-week Faculty Development Programme on “Emerging Power conversion techniques and Challenges in renewable energy system”, during 2nd to 6th June 2020, organized by EEE Department of Nalla Malla Reddy Engineering college, Telangana.

✚ Mr. N.Kiran, has attended 5 day online INDO-US National Sparc Workshop on “Power conversion technologies for renewable energy ad micro-grid applications”, during 2nd to 6th March 2021, organized by the Department of EEE, NIT Warangal.

✚ Mr. N.Kiran, has attended one-week online faculty development programme on “Recent advances in Electrical Engineering” during 3rd to 7th June 2020, organized by EEE Department of VEMU Institute of Technology.

✚ Mr. N. Kiran has participated 6 days national level Faculty development program on “Industrial safety-need of the day”, during 22nd to 27th June 2020, organized by chemical department of N.G. Patel Polytechnic, Surat.

✚ Mr. N.Kiran, has attended 5 day online faculty development program on “recent trends in electrical engineering”, during 8th to 12th June 2020, organized

by EEE Department of Vishnu Institute of Technology, Bhimavaram.

✚ Mr. N.Kiran has attended 1-week online faculty development program on “Advances in Electrical Engineering”, during 8th to 13th June 2020, organized by EEE Department of PVG’s College of Engineering and Technology, Pune.

✚ Mr. N. Kiran has attended 1-week online faculty development programme on “Challenges and Opportunities in Electrical Engineering-A Research Perspective”, during 15th to 20th June 2020, organized by EEE Department of Bharat Institute of Engineering and Technology.

✚ Mr. N. Kiran, has attended a 5 day faculty development program on “Technological advances in power switching converters for renewable energy sources and fuel cell technology for e-vehicles”, during June 1st to 5th 2020, organized by EEE Department of Bapatla Engineering College, Bapatla.

✚ Mr. N. Kiran, has attended 5 day online faculty development program, on “Future Research Scope in Electrical Engineering”, during June 22nd to 26th 2020, organized by EEE Department of St. Joseph’s College of Engineering.

✚ Mr. N. Kiran has attended a short term course on “Advanced simulation tools for power electronics, electromagnetics and power systems”, during June 1st to 5th 2020, organized by EEE Department of Vignan Institute of engineering for women, Visakhapatnam

✚ Mr. Narayana Divakar R V L has participated & completed successfully

AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Implementation of Industry 4.0 & its Challenges" from 2021-7-5 to 2021-7-9 at

New Horizon College of Engineering.

✚ Mr. Narayana Divakar R V L, Assistant Professor has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Applications of Machine Learning for Autonomous futuristic Electric Vehicles" from 2021-7-12 to 2021-7-16 at National Institute of Technology, Calicut.

✚ Mr. Narayana Divakar R V L has participated in one week (8th June to 13th June 2020) on-line Faculty Development Program on ‘Advances in Electrical Engineering’, organized by Department of Electrical Engineering, PVG’s COET, Pune in association with PES/IAS Chapter, IEEE Pune Section.

✚ Mr. Narayana Divakar R V L has participated online FDP on “Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles” During 01-06-2020 to 05-06-2020, Organized by Department of Electrical & Electronics Engineering, Bapatla Engineering College, Bapatla.

✚ Ch.V.N.Raja, Completed One week Online FDP on “Recent Advances In Electrical Engineering” Organized by the Department of Electrical & Electronics Engineering, VEMU Institute of Technology, P.Kothakota, Chittoor(Dt), A.P., on June 3rd to 7th, 2020.

- ✚ 2. Ch.V.N.Raja, Completed One week Online FDP on “Recent Innovations and Technologies in Electric Vehicles” Organized by Department of EEE, GATES INSTITUTE OF TECHNOLOGY, Gooty, Anantapur, AP, on June 8th to 12th, 2020.
- ✚ 3. Ch.V.N.Raja, Completed One week Online FDP on “Advanced Research Methodology and Innovative Trending Pedagogy” Organized by TULSIRAMJI GAIKWAD-PATIL College of Engineering and Technology, Nagpur, on June 8th to 13th, 2020.
- ✚ 4. Ch.V.N.Raja, Completed 5 days Online FDP on “Trends in Electronics & Communication Engineering” Organized by Department of ECE, SRI VASAVI ENGINEERING COLLEGE, Tadepalligudem, Andhra Pradesh, on June 22nd to 26th, 2020.
- ✚ 5. Ch.V.N.Raja, Completed 6 days Online FDP on “Industrial Safety-Need of the Day” Organized by Department of Chemical Engineering, N.G.PATEL POLYTECHNIC ISROLI, Bardoli, Gujarath, on June 22nd to 27th, 2020.
- ✚ 6. Ch.V.N.Raja, Completed One week Online Course on “MASTER CLASS ON ELECTRIC VEHICLE DESIGN USING MATLAB”, Organized by Pantech Prolabs India Pvt Ltd, Chennai, on May 3rd to 7th, 2021.
- ✚ Mrs.K.Lavanya has participated in one week STTP on “Applications Of Optimization Techniques To Electrical Engineering” at Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam during 22-06-2020 to 26-06-2020.
- ✚ Mrs.K.Lavanya has participated in one week FDP on “Optimization Techniques with application to Electrical Engineering” at Sinhgad Institute of Technology Lonavala during 15th June 2020 to 19th June 2020.
- ✚ Mrs.K.Lavanya has participated in one week STTP on “Smart micro grid & its future trends” Optimization Techniques with application to Electrical Engineering” at Lendi institute of engineering & ttechnology during 16-11-2020 to 22-11-2020.
- ✚ Mrs.K.Lavanya has participated the National Level Webinar on “Integrating Renewable Energy In The Power Grid” organized by Department of EEE, ANITS, Visakhapatnam, on 11/12/2020.
- ✚ Mrs.K.Lavanya has participated the National Level Webinar on “Grid Operations and Power Purchase” organized by Department of EEE, ANITS, Visakhapatnam, on 18/06/2020.
- ✚ Mr. S. Harish has participated One Week FDP on “Modelling, Simulation and Control of Advanced Power converters” organized by Electronics and ICT Academy, NIT, Warangal, TS from 20-03-2021 to 06-03-2021.
- ✚ Mr. S. Harish has participated Two Week Online FDP on “Design Of Solar Pv System Using Pvsyst Software” organized by Vaagdevi college of Engineering from 9 th to 13 th June 2020.
- ✚ Dr. M Dhanujay has attended “Recent Development In Electrical Engineering” during 10.8.2020 to 14-08-2020
- ✚ M Divakar has attended “Technological Advances In Power Switching

Converters For Renewable Energy Sources" And Fuel Cell Technology For E-Vehicles" during 01-06-2020 to 05-06-2020.

✚ Mr. B Satyanarayana has attended "Research Opportunities In Electrical Engineering" during 7-05-2020 to 16-05-2022.

✚ Mrs. T V Subhashini has attended "Technological Advances In Power Switching Converters For Renewable Energy Sources And Fuel Cell Technology For E-Vehicles" during 01-06-2020 to 05-06-2020.

✚ Mr J Uday Venkatesh has attended "Technological Advances In Power Switching Converters For Renewable Energy Sources And Fuel Cell Technology For E-Vehicles" during 01-06-2020 to 05-06-2020.

✚ Mr. V Anil Kumar has attended "Industrial Safety- Need Of The Day" during 22-06-2022 to 27-06-2022.

✚ Mr. M Sudheer Kumar has attended "Challenges & Research Opportunities In Micro Grid ,Control And Protection" during 15-06-2020 to 19-06-2020.

✚ Dr. R Satish has attended "Artificial Intelligence, Machine Learning, Internet Of Things & Big Data Applications In Power Electronics And Its Allied Areas" during 01-06-2020 to 06-06-2020.

✚ Mr. B Rajasekhar has attended "Technological Advances In Power Switching Converters For Renewable Energy Sources And Fuel Cell Technology For E-Vehicles" during 01-06-2020 to 06-06-2020.

✚ Mr. Kavala Kiran Kumar has attended "MATLAB Based Teaching Learning In

Mathematics Science & Engineering" during 18-05-2020 to 22-05-2020.

✚ Dr. S Bala Murali has attended "Master Class On Electric Vehicle Design Using MATLAB" during 03-05-2021 to 07-05-2021.

✚ Dr. T. Narasimhulu has participated One Week "Internet Of Things (Iot) & It's Applications In Insustry" Jointly organized by the department of instrumentation engineering, ramrao adik institute of technology, navi mumbai and b&r automation pvt. ltd. pune from june 8th-12th dec, 2020.

✚ Dr. T. Narasimhulu has participated AICTE Sponsored short term training program on "Application of Advanced Techniques to control Microgrid (AATCM-2021)" held during 6th April to 11th april, 2021 organized by Department of Electrical and Electronics Engineering, AITAM, Tekkali.

FACULTY PUBLICATIONS AND CONFERENCES:

✚ Prof. G. Raja Rao Professor has published a paper with entitle "Speed Control of DC Motor Using Intelligent Controllers" in the proceedings of International Journal for Modern Trends in Science & Technology with ISSN No: 2455-3778.

✚ Prof. J. Vijaya Kumar, Professor has published a paper with entitle "Application Of Fact Devices For Voltage Stability In A Power System" in the proceedings of International Journal of Research and Analytical Reviews with ISSN No: 2349-5138.

✚ Prof. J. Vijaya Kumar, Professor has published a paper with entitle "Control and Simulation Analysis on Grid Side of a Doubly-Fed Induction Generator Wind Turbine using Different Controllers" in the proceedings of International Journal for Modern Trends in Science & Technology with ISSN No: 2455-3778.

- ✚ Prof. J. Vijaya Kumar, Professor has published a paper with entitle “Enhancement of Voltage Regulation using a Multi-Level Inverter Based Electric Spring with Reduced Number of switches” in the proceedings of International Journal of Power Electronics and Drive Systems with ISSN No: 2088-8694.
- ✚ Dr. T. Narasimhulu, “Comparative Analysis of Control Design for Uncertain MIMO Systems”, IEE Conference, 2020 5th International Conferences, 4th July, 2020.
- ✚ Dr. T. Narasimhulu “Design of Controller for Large Scale Uncertain Systems via Reduces Order Model”, International Journal for Modern Trends in Science and Technology, 6(12): 262-267, 2020.
- ✚ Dr. Ch V N Raja Professor has published a paper with entitle “Design of Sliding Mode Observer Based Controller of Single-Phase Induction Motor” in the proceedings of International Journal for Modern Trends in Science & Technology with ISSN No: 2455-3778.
- ✚ Dr. M Dhananjaya, Asst. Professor has published a paper with entitle “Integrated multi-input DC-DC converter with reduced switches” in the proceedings of International Transactions on Electrical Energy Systems (wiley) with ISSN No: 2050-7038.
- ✚ Dr. M Dhananjaya, Asst. Professor has published a paper with entitle “ Review on Multi-Port Converters” in the proceedings of IETE Technical Review -Taylor and Francis with ISSN No: 0974-5971.
- ✚ Dr. M Dhananjaya, Asst. Professor has published a paper with entitle “Design and

Analysis of Improved Single Input Dual-Output DC-DC Converter” in the proceedings of Electric Power Components and Systems-Taylor and Francis with ISSN No: 1532-5016.

STAFF ACHIEVEMENTS:

- ✚ Dr. J Vijaya Kumar has reviewed the paper in “Journal of Engineering Science & Technology (WoS), Malaysia”
- ✚ Dr. J Vijaya Kumar has given a guest lecture in Sridevi Women’s Engineering College Hyderabad, TS-AICTE-STTP
- ✚ Mrs.K.Lavanya has reviewed the paper in “Walailak Journal of Science and Technology (WJST)”.
- ✚ Dr. M Dhananjaya has reviewed the paper in “International Journal of Electronics”.
- ✚ Dr. M Dhananjaya has reviewed the paper in “International Journal of Systems Assurance Engineering and Management.”
- ✚ Dr.Ch.V.N.Raja has reviewed the paper in “Journal of Engineering Science & Technology”

STUDENTS ACHIEVEMENTS:

- ✚ Around 19 students EEE have participated in **2 day** workshop on “ Basics on design Thinking” conducted by Institution Innovation Council, ANITS organized by Department of Mechanical.

✚ Around 24 students EEE have participated in **2 day** workshop on “ Basics on design Thinking” conducted by Institution Innovation Council, ANITS organized by Department of Mechanical.

✚ Around 22 students EEE have participated in **online Quiz on Mathematics** conducted by Department of Mathematics, ANITS.

✚ Konchada Sri Harini,3/4 EEE have participated in Nartional **online Quiz on Electric Power Systems** conducted by Department of EEE, ANITS.

✚ Konchada Sri Harini,3/4 EEE have participated in Nartional **online Quiz on Linear Control Systems** conducted by Department of EEE, ANITS.

✚ Konchada Sri Harini,3/4 EEE have participated in Nartional **online Quiz on Power Electronics** conducted by Department of EEE, ANITS.

✚ V Akanksha, 3/4 EEE has participated in Tech- Quiz- Basic Electrical Engineering conducted by K Ramakrishnan College of Engineering, IEEE Student Branch.

✚ V Akanksha, 3/4 EEE has participated in Electronics e-Quiz conducted by Proudhadavaraya Institute of Technology, Hosapete.

✚ V Akanksha, 3/4 EEE has participated in Basic Electrical Engineering Concepts conducted by Sinhgad Institute of Technology,Lenovala.

✚ A Ganeswari has participated quiz on General Knowledge conducted byJupiter International And Higher Secondary School

✚ V Akanksha has Participated in GATE Syllabus Based Technical Quiz- Electro Magnetic Fields organized by Institute of Aeronautical Engineering, Hyd.

✚ S Sri Harsha Participated in IT Fundamentals for cyber securtiy organized by Institute of Coursera.

✚ S Sri Harsha Participated in Introduction to HTML5 organized by Institute of Coursera.

✚ S Sri Harsha Participated in crash course on Pythonorganized by Institute of Coursera.

✚ S Sri Harsha Participated in GATE Syllabus Programming foundations with Java Script , HTML And CSSorganized by Institute of Coursera.

✚ S Sri Harsha Participated in Python data structures organized by Institute of Coursera.

✚ S Sri Harsha Participated in GATE Syllabus Solar energy and electrical system design organized by Institute of Coursera.

✚ Sri Harsha Participated in Introduction to Bash cell Scripting organized by Institute of Coursera.

✚ S Sri Harsha Participated in Python data structures organized by Institute of Coursera.

✚ A Ganeswari has participated Craft you He(art) Out conducted by Rotract Club of ANITS.

✚ S Sri Harsha Participated in Introduction to programming with MATLAB organized by Institute of Coursera.

✚ K Sai Harini has participated IT Quiz conducted by OM Computer Classes, Parel.

✚ Konchada Sai Harini Participated in digital Marketing organized by Internshala Trainings.

✚ S Sri Harsha Participated in MATLAB Onramp organized by Mathworks Training Services

✚ P Sunil Kumar was awarded with ENDURANCE FEST- AFS DECATHLON by Sailing Club, Vizag.

✚ P Sunil Kumar was awarded with Super Randonneur award by Audax club Parrislem.

✚ Kolli Ramya Sri has participated in Singing competition organised by Vizag Champions.

✚ Kolli Ramya Sri has participated in Dancing competition organised by Vizag Adhurs.

✚ Naveen Kumar Reddy yeddula has participated in Photography competition conducted byRotaract Club, ANITS.

✚ Naveen Kumar Reddy yeddula has participated in Run competition conducted byRotaract Club, ANITS.

✚ Naveen Kumar Reddy yeddula has participated in Navajan conducted by Rotaract District organization, Vizag.

✚ Naveen Kumar Reddy yeddula has participated in Project Peace conducted by Rotaract District organization, Vizag.

✚ S Sri Harsha Participated in Building a text based bank in JAVA organized by Institute of Coursera.

✚ S Sri Harsha Participated in Operating systems and you :becoming a power User organized by Institute of Coursera.

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✚ S Sri Harsha Participated in web Application Security testing with OWASP ZAP organized by Institute of Coursera

✚ S Sri Harsha Participated in Solar energy system overview organized by Institute of Coursera.

✚ Adabala Jai Teja Participated in Internet of Things organized under APSSDC.

✚ Pavan Kumar Rokkam Participated in Industrial Automation With PLC organized under APSSDC.

✚ Meesala Sarath Kumar Participated in Industrial Automation With PLC organized under APSSDC.

✚ Podiyam Mehana Participated in Internet of Things organized under APSSDC.

✚ Shinagam Ramya Participated in Internet of Things organized under APSSDC.

✚ CH Sri Harsha Participated in MATLAB Onramp organized under Mathworks Training Services.

✚ S Sri Harsha Participated in PCB Designing organized under APSSDC.

✚ Areti Kamal Sandeep Participated in Industrial Automation With PLC organized under APSSDC.

✚ S Sri Harsha Participated in IBM Cybersecurity Analyst organized under Coursera

✚ S Sri Harsha Participated in Python 3 Programming organized under Coursera.

✚ Ch Kavya Sri Lekha has participated in paper presentation conducted by Potti Sriramulu Chakavadi Mallikarjuna Rao College of Engineering & technology

✚ S Akhil Participated in 8051 Microcontroller organized under Bharat Acharya Education.

✚ h Kavya Sri Lekha has participated in Group Discussion conducted by Potti Sriramulu Chakavadi Mallikarjuna Rao College of Engineering & technology.

✚ Gnaneswari has participated in Internal Security and External Affairs of India, Law, Life skills and communication conducted by AP Policemen's Family welfare Society.

✚ Naveen Kumar Reddy yeddula has participated in Independence day 2020, Dept of IT conducted by JNTU, Vizianagram.

✚ H Sri Harsha has participated in MHRD Impact Series webinar conducted by Institution innovation Council.

✚ Shinagam Ramya has participated in Power Electronics quiz conducted by Dept of EEE, ANITS.

✚ Adabala Jai Teja has participated in Power Electronics quiz conducted by Dept of EEE, ANITS.

✚ Adabala Jai Teja has completed the course Internet of Things conducted by APSSDC.

✚ Kolli Akanksha has participated in Electronics e-Quiz conducted by Dept of EEE, ANITS.

✚ Kolli Akanksha has participated in Project Peace conducted by Rotaract District organization, Vizag.

PROGRAMS ORGANISED:

1. A Skill Development program on “Automation in Industries”

A Skill Development program on “Automation in Industries” for all the teaching staff of EEE, ANITS was organized at the Institute by Department of Electrical and Electronics Engineering. All the faculty of EEE Dept. has participated in this program.. Resource Person Mr. D. Gayathri Pavan, Sr.Manager (E), RINL, VSKP shared the information regarding automation systems process, sequence of many operations and also importance of automation in the steel industry. And also he explained information about the plant condition which helps in planning and preparing the maintenance and repair of the plant and equipment.



2. Two days Work Shop On “Inter-Personal Skills and Effective Communications”

A Two day's Work shop on “Inter-Personal Skills and Effective Communication” for the non-teaching staff, ANITS was organized at the Institute by Department of Electrical and Electronics Engineering. Non teaching staff of various departments is participated in this program. Prof. G. Raja Rao, HOD of EEE department had presided over the program. During the first session of the work shop, Dr. P.Prasanna Kumari made a presentation on communication course for the work place to learn the skills, techniques and communication strategies essential for communicating more effectively in the work place, while developing potential for professional success. In the second session, presentation on understand the importance of effective inter-personal skills and work place communication.



3. Guest Lecture on “Advancement in inverter technology in Industrial Applications”

A guest lecture on “Advancement in inverter technology in Industrial Applications” was organized at the Institute by Department of Electrical and Electronics Engineering under the Association of AEEEA for the third and final year students. Prof. G. Raja Rao, HOD of EEE department had presided over the program. K Vagadevi, III/IV-EEE Section B, welcomed the participants and Resource Person Mr. D. Ravendra, CTO, Zunik Energies Pvt Ltd. He shared the information regarding how the various inverter technologies are used in the industries to convert dc to ac and to use the required voltage levels for various industrial applications. Participants gave their feedback explaining how the program helped them to improve industrial knowledge in a better way. Tulasi Ram III/IV EEE B Presented the Vote of thanks.



4. An cultural event Rockz was conducted on 23/04/2021. Around 80 Students participated and performed for dance solo and groups. And 15 students have memorized with their singing performance.



5. Faculty Development Program

Department of Electrical and Electronics Engineering, Anil Neerukonda Institute Of Technology & Sciences (ANITS), Visakhapatnam has organized a 5-day FDP on “**Control Aspects of Industrial Electrical Systems.**” The aim of the FDP is to provide the present challenges in various industrial control aspects in thermal, hydro power plants, steel and oil industry. Also, it covers electrical vehicle control technologies. The program aims to enhance the knowledge of the faculty community towards the operational, planning and protection aspects of industrial electrical systems. Around 65 faculties has participated in the program. In this 35 faculty members are in and around the Visakhapatnam.

6. Orientation Session:

An Online Orientation Session for Students and Faculty of ANITS was Organised by Department of Electrical and Electronics Engineering & ANITS-IIC on the topic “Space Education And Research Development” on 29-07-2021. Around 30 students has taken part in the event.

7. Webinar on “Integrating Renewable Energy in Power Grid”

Department of Electrical and Electronics Engineering, Anil Neerukonda Institute Of Technology & Sciences (ANITS), Visakhapatnam has organized a webinar on “**Integrating Renewable Energy in Power Grid**” on 9th December, 2020. Resource person **Dr. Pratyush Chakraborty**, BITS, Hyderabad has given an overlook on how renewable resources are integrated to power grid mainly solar and wind power. Around 33 Students have participated in the program.

8. Webinar on “Grid Operation and Power Purchase”

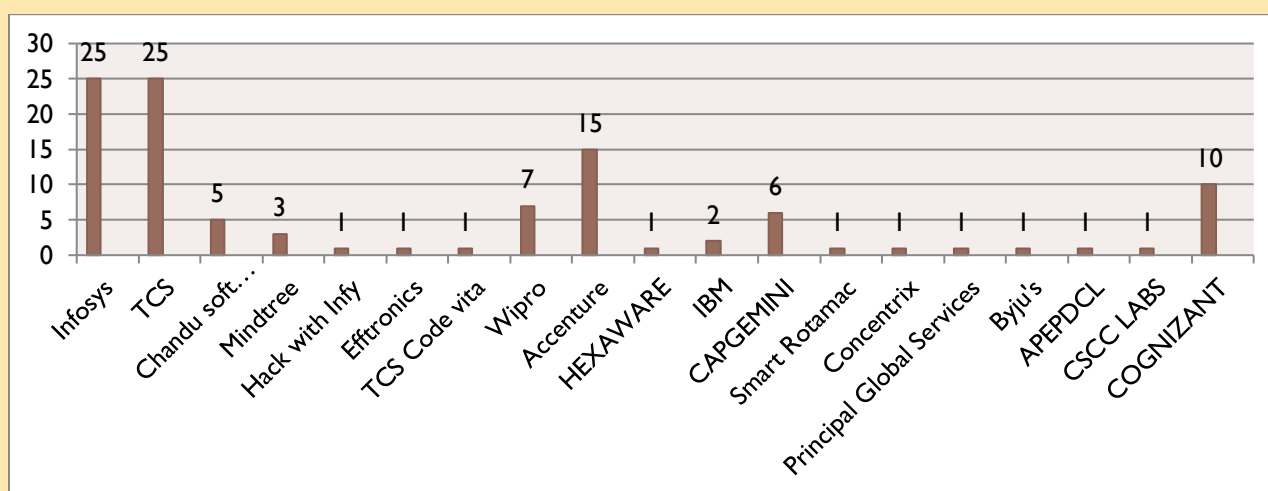
Department of Electrical and Electronics Engineering, Anil Neerukonda Institute Of Technology & Sciences (ANITS), Visakhapatnam has organized a webinar on “**Grid Operation and Power Purchase**” on 18th June. Total of 296 Students and faculty have participated in the program. Resource person Sir A Ramesh, DE, APTRANSCO has given an overlook on how economic load dispatch plays a role grid operation and power purchase.

9. Online 3 DayWorkshop on “Schematics of Circuit Breakers, Selection of Relays, Lighting Discharge with DIALUX”

Department of Electrical and Electronics Engineering, Anil Neerukonda Institute Of Technology & Sciences (ANITS), Visakhapatnam in association with Hyderabad Institute of Electricrical Engineers, Hyderabad has organized Online 3 DayWorkshop on “**Schematics of Circuit Breakers, Selection of Relays, Lighting Discharge with DIALUX**” on 12th to 14th August, 2020.Total of 275 students have participated in the program. Resource person from the institution has given an overlook how circuit breaker and relays are arranged in the solar power plant in solar power plant and also gave an virtualtour on solar power plant on the last day.

10. Under NSS- UBA, ANITS Dr. T. Narasimhulu has conducted, “Village and House Hold Survey “, in 2020-2021. The Survey was held for 5 Adopted Villages by UBA-ANITS.
11. Design of logic and electrical circuits contest for EEE students on the eve of “ENGINEERS DAY”.The contest aims to develop the design skills in “MATLAB SOFTWARE”. Total No.of participants are around 951st prize was awarded M.Jyothika Priyanka(318126514123) and 2nd prize was awarded G.V.S.Prathyusha(318126514110).
- 12.CODE N CODE was conducted on 02nd February, 2021.The contest aims to develop the coding knowledge in the students. Total No.of participants are around 255. 1st prize was awarded to V.Kethan Vijay Kumar(318126514101) and 2nd prize was awarded to P.Priyanka Reddy(318126514042).

CAMPUS PLACEMENTS of 317 SERIES BATCH



RESULT ANALYSIS OF 2016-20:

