



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

(Affiliated to AU, Approved by AICTE & Accredited by NBA)

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Department of Electronics and Communication Engineering

NEWS LETTER (July2022 – Feb 2023)

DEPARTMENT ACHIEVEMENTS

The Memorandum of Understanding (MOU)

The Memorandum of Understanding (MOU) is executed between Department of ECE, ANITS and Swayogya Rehab Solutions Private Limited (Srspl), New Delhi, effective from 1st Sep 2022. In held discussion an agreement for collaboration for conducting internships and possible outsourcing are made.



The Memorandum of Understanding (MOU)

The Memorandum of Understanding (MOU) is executed between Department of ECE, ANITS and Uni Academic Consultants LLP, Visakhapatnam effective from 24th Aug 2022 for the period of one year. In held discussion an agreement for collaboration for conducting seminars/webinars on higher education awareness are made.



FACULTY ACHIEVEMENTS

1. Dr.P.Muruga Pandiyan, Assoc.Prof., ECE filed a Patent titled **“System for Artificial Intelligence-Based Transceiving Signal in 6g Wireless Communication Network”** with application number 202341019163 A is filed on 21st March 2023 and Published on 21st March 2023.
2. Dr.S.Srinivas, Assoc.Prof., ECE received **certificate of appreciation** in recognition of the review of research papers for **“The Second International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES’22)”** organized by the Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, Andhrapradesh, India during July 29 - 30, 2022.
3. Mr.P.Devi Pradeep, Asst.Prof., ECE received **certificate of appreciation** in recognition of the review of research papers for **“The Second International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES’22)”** organized by the Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, Andhrapradesh, India during July 29 - 30, 2022.
4. Mr.B.Chandra Mouli, Asst.Prof., ECE provided training on **“Digital Communication Techniques”** to the employees of Avantel Limited, Visakhapatnam through ONLINE MODE from 16th June to Aug 5th 2022.
5. Mr.R.Chandra Sekhar Asst.Prof., ECE provided training on **“Basics of Digital Communication”** to the employees of Avantel Limited, Visakhapatnam through ONLINE MODE from 16th Aug 2022 to 20th September 2022.
6. Dr.P.Muruga Pandiyan, Assoc.Prof., graded as **IEEE Senior Member** on 19 November 2022.
7. Dr.A.Lakshmi Narayana, Asst.Prof., has **reviewed** an article Titled **“Design of Piezoresistive pressure sensor for Enhancing Stress of MEMS Cantilever”** in Measurement: Sensors on 4th Nov 2022 with Ms. Ref. No.: MEASEN-D-22-00338 [Elsevier].
8. Dr.A.Lakshmi Narayana, Asst.Prof., has **reviewed** an article Titled **“Integrated Blockchain IPFS Framework for Distributed Authentication, Validation and Secure Sharing of Events”** in VANET in Measurement: Sensors on 20th Oct 2022 with Ms. Ref. No.: MEASEN-D-22-00330 [Elsevier].
9. Dr.B.Jagadeesh, HOD, ECE has acted as **reviewer** for an IEEE conference Sustainable Energy, Signal Processing & Cyber Security (iSSSC 2022) organized by Dept of EEE, SoET, Gunupur, Odisha during 15th -17th December 2022.
10. Dr.K.V.Gowreesrinivas, Asst.Prof., ECE **reviewed a research article** titled **“Design of a high performance VLSI architecture for 32-bit recursive Karatsuba-OFMAN Multiplier for both signed and unsigned numbers”**, Microprocessors and Microsystems, Feb 2023.
11. Dr.K.V.Gowreesrinivas, Asst.Prof., ECE **reviewed a research article** titled **“A Novel Approximate 5:2 Compressor and Multiplier Designs”** Journal of Electronics Letters, Oct 2022.
12. Dr.K.V.Gowreesrinivas, Asst.Prof., ECE **reviewed a research article** titled **“Automatic Fault Detection in Industrial Smart Grids Using KNN and Ensemble Classifiers”**, El-Cezeri, Dec 2022.
13. Dr.K.V.Gowreesrinivas, Asst.Prof., ECE **reviewed a research article** titled **“Advance method of testing memories using Vedic March Algorithm, Advance method of testing memories using Vedic March Algorithm”**, IETE Journal of Research, Dec 2022.
14. Mr.P.Devi Pradeep, Asst.Prof., ECE **reviewed a research article** titled **“Vehicle Theft Detection Using Machine Learning”**, Second International Conference On Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES’22), July 2022.
15. Mr.P.Devi Pradeep, Asst.Prof., ECE **reviewed a research article** titled **“Detection of Term Delivery using Discrete Wavelet Transform and Feature Selection Methods on Uterine Magnetomyography Signals”**, Second International Conference On Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES’22), July 2022.
16. Ms.Ch.Anoosha, Asst.Prof., ECE **reviewed a research article** titled **“Self Activate Face Recognition Employing Deep Learning”**, International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems(ICMACC-22), Dec 2022.
17. Ms.Ch.Anoosha, Asst.Prof., ECE **reviewed a research article** titled **“Efficient Re-configurable Multiply and Accumulate Unit for Convolutional Neural Network”**, International Conference on

Recent Trends in Microelectronics, Automation, Computing and Communication Systems(ICMACC-22), Dec 2022.

18. Ms.Ch.Anoosha, Asst.Prof., ECE reviewed a research article titled **“Detection of COVID-19 From X-ray with the help of LSTM and CNN Graph Filters”**, International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems(ICMACC-22), Dec 2022.
19. Ms.Ch.Anoosha, Asst.Prof., ECE reviewed a research article titled **“Detection of Improved Rice Leaf Disease Detection using Fusion of Otsu Thresholding and Thepade SBTC Features”**, International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems(ICMACC-22), Dec 2022.
20. Ms.Ch.Anoosha, Asst.Prof., ECE reviewed a research article titled **“Sound Source Localization using CNN and Comparison with MUSIC and TDOA”**, International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems(ICMACC-22), Dec 2022.
21. Ms.Ch.Anoosha, Asst.Prof., ECE reviewed a research article titled **“Micro-Generator Based Power Harvesting Tiles”**, International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems(ICMACC-22), Dec 2022.
22. Ms.Ch.Anoosha, Asst.Prof., ECE reviewed a research article titled **“Internet of Things based Portable Preterm Baby Incubator”**, International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems(ICMACC-22), Dec 2022.
23. Ms.M.Nirmala Asst.Prof., ECE reviewed a research article titled **“Efficient Re-configurable Multiply and Accumulate Unit for Convolutional Neural Network”**, International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems (ICMACC-22), Nov 2022.
24. Ms.M.Nirmala Asst.Prof., ECE reviewed a research article titled **“Design and Implementation of Android Controlled Multi-Tasking Humanoid Robot Using Raspberry PI 3”**, International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems (ICMACC-22), Nov 2022.
25. Ms.M.Nirmala Asst.Prof., ECE reviewed a research article titled **“Improved Rice Leaf Disease Detection using Fusion of Otsu Thresholding and Thepade SBTC Features”**, International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems (ICMACC-22), Nov 2022.
26. Ms.M.Nirmala Asst.Prof., ECE reviewed a research article titled **“Micro-Generator Based Power Harvesting Tiles”**, International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems (ICMACC-22), Nov 2022.
27. Ms.M.Nirmala Asst.Prof., ECE reviewed a research article titled **“Internet of Things based Portable Preterm Baby Incubator”**, International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems (ICMACC-22), Nov 2022.
28. Ms.M.Nirmala Asst.Prof., ECE reviewed a research article titled **“Smart AgrIOT: A Machine learning and IOT based complete farming solution”**, International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems (ICMACC-22), Nov 2022.
29. Dr.P.Murugapandiyan, Assoc.Prof., ECE reviewed a research article titled **“A Survey on Resource Management for 6G Heterogeneous Networks: Current”**, Electronics, Jan 2023.
30. Dr.P.Murugapandiyan, Assoc.Prof., ECE reviewed a research article titled **“A maximum efficiency-86% hybrid power modulator for 5G New Radio(NR)”**, Applied Science, Oct 2022.
31. Dr.P.Murugapandiyan, Assoc.Prof., ECE reviewed a research article titled **“Near-Infrared Artificial Optical Synapse Based on P(VDF-TrFE)-Coated”**, MATERIALS, Sep 2022.
32. Dr.P.Murugapandiyan, Assoc.Prof., ECE reviewed a research article titled **“Optimization of the Field Plate Design of a 1200-V p-GaN Power High–Electron Mobility Transistor”**, MICROMACHINES, Sep 2022.
33. Dr.P.Murugapandiyan, Assoc.Prof., ECE reviewed a research article titled **“Temperature-independent Current Dispersion in 0.15 μ m AlGaIn/GaN HEMTs for 5G Applications”**, MICROMACHINES, Dec 2022.

34. Dr.P.Murugapandiyan, Assoc.Prof., ECE reviewed a research article titled “**Smart Charging for Electric Car-Sharing Fleets Based on Charging Duration Forecasting and Planning**”, SUSTAINABILITY, Aug 2022.
35. Dr.P.Murugapandiyan, Assoc.Prof., ECE reviewed a research article titled “**Substrate BOX Engineering to Mitigate the Self-Heating Induced Degradation in Nanosheet Transistor**”, MICROELECTRONICS JOURNAL, Aug 2022.
36. Dr.P.Murugapandiyan, Assoc.Prof., ECE reviewed a research article titled “**Normally-off p-GaN gate AlGaIn/GaN Transistor with a new Schottky second gate**”, ECS Journal of Solid State Science and Technology, July 2022.
37. Dr.P.Murugapandiyan, Assoc.Prof., ECE reviewed a research article titled “**Electrical Characteristic Analysis of Al_{0.43}Ga_{0.57}As Cylindrical Surrounding Double-Gate (CSDG) MOSFET: A Nano-Material Sensing Approach with Fabrication Technology**”, International Journal of Hydrogen Energy, Oct 2022.
38. Dr.P.Murugapandiyan, Assoc.Prof., ECE reviewed a research article titled “**Spacer Engineering on Nanosheet FET towards Device and Circuit Perspective**”, ECS Journal of Solid State Science and Technology, Feb 2023.
39. Dr.J.Bhaskara Rao, Asst.Prof., ECE served as **reviewer** for International conference on recent trends in Microelectronics, Automation, Computing, and communication systems, Dec 2022.
40. Dr.J.Bhaskara Rao, Asst.Prof., ECE as **reviewer** for 3ICT2022 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies, Nov 2022.
41. Dr.J.Bhaskara Rao, Asst.Prof., ECE as **reviewer** for The INTERNATIONAL JOURNAL of COMPUTING AND DIGITAL SYSTEMS, Nov 2022.
42. Ms.P.S.MayuraVeena, Asst.Prof., Ms. V.Shireesha, Asst.Prof., and Mr. V .V. Ramalingeswara Rao (319126512063) 4/4 ECE has published paper title “**Detection and of lung cancer and identification of tumor stage in image processing using segmentation**” and **won BEST Paper prize** in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
43. Ms.G.Gayatri, Asst.Prof., Ms. D.Supriya (320126512L13), Mr.K.Jayanth (319126512091), Mr.Ch.Sai Krishna (320126512L09) and Mr. K.SaiMAdhu (319126512093) 4/4 ECE has published paper title “**Development of FDM 3D Printer using Arduino**” and **won BEST Paper prize** in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.

STUDENT (SPORTS) ACHIEVEMENTS

1. Mr.S.Prasanth Kumar (319126512180) 4/4 ECE has **won GOLD MEDA (1st position)** under BEST Physique Men (65Kg) category in Inter-Collegiate Games & Sports competition held at Dr.L.Bullaya college VSP on 23rd Dec 2022.
2. Mr.P.Si Krishna 4/4 ECE-B has **secured 4th position** under high jump category in Inter-Collegiate Games & Sports competition held at Dr.L.Bullaya College VSP on 23rd Dec 2022.
3. Ms.P.Sumitha 3/4 ECE has **secured 3rd position** under Hammer throw category in Inter-Collegiate Games & Sports competition held at Dr.L.Bullaya College VSP on 23rd Dec 2022.

NPTEL COURSES BY FACULTY

1. Mr.P.Devi Pradeep, Asst.Prof.,ECE has successfully completed the NPTEL online course title “**Teaching and Learning in Engineering**” from IIT Bangalore in the duration Jan-Feb 2023 (4 weeks).
2. Ms.D.Nagamani, Asst.Prof.,ECE has successfully completed the NPTEL online course title “**Analog Circuits**” from IIT Bombay in the duration Jan-March 2023 (8 weeks).

3. Ms.K.Yashoda, Asst.Prof.,ECE has successfully completed the NPTEL online course title **“Analog Circuits”** from IIT Bombay in the duration Jan-March 2023 (8 weeks).
4. Ms.V.Shireesha, Asst.Prof.,ECE has successfully completed the NPTEL online course title **“Analog Circuits”** from IIT Bombay in the duration Jan-March 2023 (8 weeks).
5. Dr.P.Murugapandiyan, Assoc.Prof.,ECE has successfully completed the NPTEL online course title **“CMOS Digital VLSI Design”** from IIT Roorke in the duration Jan-March 2023 (8 weeks).
6. Ms.Ch.Anoosha, Asst.,Prof.,ECE has successfully completed the NPTEL online course title **“CMOS Digital VLSI Design”** from IIT Roorke in the duration Jan-March 2023 (8 weeks).
7. Ms.KVG.Sreenivas, Asst.,Prof.,ECE has successfully completed the NPTEL online course title **“CMOS Digital VLSI Design”** from IIT Roorke in the duration Jan-March 2023 (8 weeks).
8. Mr.P.Devi Pradeep, Asst.Prof.,ECE has successfully completed the NPTEL online course title **“Analog Circuits”** from IIT Bombay in the duration Jan-March 2023 (8 weeks).
9. Ms.P.Devi, Asst.Prof.,ECE has successfully completed the NPTEL online course title **“Deep Learning”** from IIT Madras in the duration July-Oct 2022 (12 weeks).
10. Ms.V.Shireesha, Asst.Prof.,ECE has successfully completed the NPTEL online course title **“Deep Learning”** from IIT Madras in the duration July-Oct 2022 (12 weeks).
11. Ms.Ch.Padmasree, Asst.Prof.,ECE has successfully completed the NPTEL online course title **“Principles of Signal Estimation for MIMO/OFDM wireless communication”** from IIT Kanpur in the duration July-Oct 2022 (12 weeks).
12. Ms.M.Nirmala, Asst.Prof.,ECE has successfully completed the NPTEL online course title **“Principles and Techniques of Modern RADAR Systems”** from IIT Kharagpur in the duration July-Oct 2022 (12 weeks).
13. Ms.PSM.Veena, Asst.Prof.,ECE has successfully completed the NPTEL online course title **“Digital Image Processing”** from IIT Kharagpur in the duration July-Oct 2022 (12 weeks).
14. Mr.B.Jena, Asst.Prof.,ECE has successfully completed the NPTEL online course title **“Medical Image Analysis”** from IIT Madras in the duration July-Oct 2022 (12 weeks).
15. Mr.VVK.Raju, Asst.Prof.,ECE has successfully completed the NPTEL online course title **“System Design Through VERILOG”** from IIT Guwahati in the duration July-Sep 2022 (8 weeks).
16. Mr.G.Prasanna, Assoc.Prof.,ECE has successfully completed the NPTEL online course title **“System Design Through VERILOG”** from IIT Guwahati in the duration July-Sep 2022 (8 weeks).

FACULTY PAPER PUBLICATIONS IN JOURNALS

1. Dr.G.Prasanna, Assoc.Prof., ECE have published a paper titled **“Investigation of thermal neutron detection efficiency of Boron Carbide converter material using GEANT4 simulation for different types of detector configurations”** in an International journal of Instrumentation, Vol 17, No 7, PP: 7-12, July 2022. <https://iopscience.iop.org/article/10.1088/1748-0221/17/07/P07012/pdf>.
2. Mr.N.RamKumar, Asst.Prof., ECE have published a paper titled **“Enhanced Drain current and Cut off Frequency in AlGaIn/GaN HEMT with BGaN Back Barrier”** in an International Journal Material Science and Engineering:B, Vol: 284, July 2022. <https://doi.org/10.1016/j.mseb.2022.115863>.
3. Mr.N.RamKumar, Asst.Prof., and Dr.P.Murugapandiyan, Assoc.Prof., ECE have published a paper titled **“Ultra-wide bandgap Al_{0.1}Ga_{0.9}N double channel HEMT for RF applications”** in an International Journal of RF and Microwave Computer-Aided Engineering, Nov 2022.
4. Mr. B. Jena, Asst.Prof., ECE have published a paper titled **“A novel minimum generalized cross entropy-based multilevel segmentation technique for the brain MRI/dermoscopic images”** in an International Journal Computers in Biology and Medicine, Oct 2022.

5. Dr. Ashok Kumar N, Assoc.Prof., ECE have published a paper titled **“GPS Receiver Position Estimation and DOP Analysis Using a New Form of the Observation Matrix Approximations”** in an International Journal of Sensors, Sep 2022.
6. Dr. T. Vidyavathi, Assoc.Prof., ECE have published a paper titled **“Design of compact ISM-band Microstrip slot antenna for wireless sensor nodes”** in Indian Journal of Science and technology, Oct 2022.
7. Mrs.G.Indira Devi, Asst.Prof., ECE have published a paper titled **“A Survey on Identification of Diabetic Retinopathy for Medical Diagnosis”** in an International Journal Annals of Forest Research, Nov 2022.
8. Dr. T. Vidyavathi, Assoc.Prof., and Ms.B.Rama Devi, Asst.Prof., ECE have published a paper titled **“Trisula Slot on the effect of loading strip with printed half cut circular antenna recitation for TRI band applications”** in an International Journal GIS SCIENCE JOURNAL, Dec 2022.
9. M.A.Siva Kumar, Asst.Prof., ECE have published a paper titled **“Meta-heuristic-based FCM-UNet segmentation with multi-objective function and deep learning for brain tumor classification”** in an International Journal Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization, July 2022.
10. Ms.Ch.Anoosha, Asst.Prof., ECE have published a paper titled **“Peak Side Lobe Reduction analysis of NLFM and Improved NLFM Radar signal with Non-Uniform PRI”** in AIUB Journal of Science and Engineering(AJSE), Nov 2022.
11. Dr.K.Sreelakshmi, Asst.Prof., ECE have published a paper titled **“A Compact Reconfigurable CPW-Fed Dual Band-notched UWB Antenna Using PIN Diodes”** in Iranian Journal of Science and Technology, Transactions of Electrical Engineering., Feb 2023.
12. Dr.T.Vidyavathi, Assoc.Prof., ECE have published a paper titled **“A detailed insight of 2×2 high isolation wideband dual notched band MIMO antenna with evolution initiated by theory of characteristics mode”** in an International Journal of Microwave and wireless Technologies, Feb 2023.
13. Dr.T.Vidyavathi, Assoc.Prof., ECE have published a paper titled **“Design and Analysis of nonagonal patch unite with rectangular shaped 4-element UWB-MIMO antenna for portable wireless device applications”** in an International journal Analog Integrated circuits and Signal processing, Feb 2023.

FACULTY PAPER PRESENTATION IN CONFERENCE

1. Mr.B.Ch.Kiran Patrudu, Asst.Prof., ECE has presented a paper titled **“Spectral Efficiency of Space-Constrained Massive”** in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
2. Dr.P.Murugapandiyan,Assoc.Prof., Dr.V.Rajyalakshmi,Prof., Dr.G.Prasanna,Asst.Prof. and Mr.N.Ramkumar,Asst.Prof. ECE have presented a paper titled **“AlGaN double channel HEMTs for high-power switching applications”**, in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
3. Mr.D.Anil Prasad, Asst.Prof. and Dr.KVG Srinivas, Asst.Prof. ECE have presented a paper titled **“Achieving High Drive Currents in 4H-SiC MESFET, by Asymmetric Drain Source Architecture”**, in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
4. Mr.R.Chandrasekhar,Asst.Prof. Asst.Prof. ECE have presented a paper titled **“Performance Evaluation of Cooperative Non-Orthogonal Multiple Access for Next Generation Wireless Communication”**, in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.

5. Dr.S.Srinivas, Assoc.Prof., and Dr.B.Somasekhar, Assoc.Prof. ECE have presented a paper titled **“FPGA implementation of low power DIT-FFT using erilog for MIMO applications”**, in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
6. Dr.S.Srinivas, Assoc.Prof., ECE have presented a paper titled **“FPGA implementation of low complex ACO based FIR filter”**, 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
7. Dr.S.Srinivas, Assoc.Prof., and Mr.Nitin Kumar, Asst.Prof. ECE have presented a paper titled **“Smart agriculture through IOT-based smart and automated decision-making and alerting system (SADMAS)”**, 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
8. Mr.P.Devi Pradeep, Asst.Prof. ECE have presented a paper titled **“CRC-Based Hardware Trojan Detection for Improved Hardware Security Using FPGA”**, 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
9. Ms.P Chaya Devi, Asst.Prof. ECE have presented a paper titled **“Parking space management system based on deep learning”**, 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
10. Dr.N.Swathi, Assoc.Prof., ECE have presented a paper titled **“Estimation of Radar Cross Section for Different Shaped and Plasma Covered Objects using Spherical Polar Scattering Geometry”**, 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
11. Ms.G.Indira Devi, Asst.Prof. ECE have presented a paper titled **“Detection of diabetic retinopathy using convolutional neural networks”**, 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
12. Ms.G.Indira Devi, Asst.Prof. ECE have presented a paper titled **“Object Identification from Underwater Image Sensory Stimuli Deep Learning”**, 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
13. Dr.K.Sreelakshmi, Asst.Prof. ECE have presented a paper titled **“A compact dual band microwave rfid tag antenna based on SRR”**, 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
14. Mr.V.Vijaya Kumar raju, Asst.Prof. ECE have presented a paper titled **“Clutter and Random Noise Elimination of Buried Objects using GPR”**, 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
15. Mr.Vijay Kumar Sahu, Asst.Prof., Dr.T. Vidyavathi, Assoc.Prof., and Dr.V. Rajya Lakshmi, Prof. ECE have presented a paper titled **“Pattern Synthesis of Equally Spaced Linear Array of Microstrip Patch Antenna using Modified Genetic Algorithm”**, 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
16. Dr.B.Somasekhar, Assoc.Prof., ECE have presented a paper titled **“Study on Spectral Efficiency and Energy Efficiency Trade off in Massive MIMO”** 2 Day International Conference on Advancement in

Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.

17. Dr.B. Jagadeesh, Prof. ECE has published paper title **“A novel approach for traffic sign detection based on image processing and traffic sign recognition based on random forest classifier”**, in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
18. Dr.N.Ashok Kumar, Assoc.Prof., ECE has published paper title **“Statistical Accuracy Measures Comparison of Kinematic Navigation Algorithms”**, in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
19. Mr.B.Jena, Asst.Prof., ECE has published paper title **“Brain Tumour Detection by Multilevel Thresholding Using Opposition Equilibrium Optimizer”** International Conference on Ambient Intelligence in Health Care, ICAIHC 2022, Ambient Intelligence in Health Care. Smart Innovation, Systems and Technologies, vol 317. Springer, Singapore, Nov 2022.
20. Ms.G.Indira Devi, Asst.Prof., ECE has published paper title **“Impact of Bioinformatics Microarray Gene Structural Rate Analysis (MGSRA) in Gene Therapy using Sequential Gene Pattern Matching (SGPM) for Preventive Medicine”**, 4th International Conference on Inventive Research in Computing Applications (ICIRCA), Dec 2022, IEEE Explore.

FACULTY & STUDENT JOINT PAPER PRESENTATION IN CONFERENCE

1. Ms.K.Yashoda, Asst.Prof., ECE, Mr.Yerra Pavan Kumar, Ms.Marri Deepthi Chinni Swaroopa, Mr.Baki Dharma Teja, and Mr.Utkarsh Jaiswal IV/IV ECE have presented a paper titled **“A Comparison Study of Low- Light Images Using Fusion Based Methods”** International Conference On Technologies, Sustainable Development Goals and Academia 2022 (ICTSGA-1) organized by SPAST foundation, during July 1-2, 2022.
2. Dr.J.Bhaskara Rao, Asst.Prof., ECE, Ms.Tanuj Kundeti, Ms.Priyanka Golivi, Ms.Jagilinki Sarayu and Mr.Rahul Babu IV/IV ECE have presented a paper titled **“High-density impulse noise removal using Modified Probabilistic Decision-Based Trimmed Median Filter”** International Conference On Technologies, Sustainable Development Goals and Academia 2022 (ICTSGA-1) organized by SPAST foundation, during July 1-2, 2022.
3. Dr.J.Bhaskara Rao, Asst.Prof., ECE, Mr.S. Sai Venkatesh, Mr.B. Harsha Vardhan, Ms.P. Joy Grace Mr.M .Dileep Kumar IV/IV ECE have presented a paper titled **“Improved TK-FCM Algorithm for Brain Tumor Detection”** International Conference On Technologies, Sustainable Development Goals and Academia 2022 (ICTSGA-1) organized by SPAST foundation, during July 1-2, 2022.
4. Dr.KVG.Srinivas, Asst.Prof., ECE, Mr.I.Hemanth, Ms.CH.Sravani, Mr.G.Bharat Chandra and Mr.P.Yashwanth IV/IV ECE have presented a paper titled **“FPGA Implementation of Canonical Signed Digital Algorithm Based Floating Point Multiplication”** International Conference On Technologies, Sustainable Development Goals and Academia 2022 (ICTSGA-1) organized by SPAST foundation, during July 1-2, 2022.
5. Ms.B.Deepa, Asst.Prof., Ms.G.Gayatri, Asst.Prof., ECE, Mr.S.Venkatesh, Ms.G.Reshma, Mr.L.Govardhan and Mr.B.Vinay Babu IV/IV ECE have presented a paper titled **“Design of Multiband Frequency Reconfigurable Antenna For Wireless Applications”** in 7th International Conference on Micro-Electronics, Electromagnetics and Telecommunications, organized by Sri Vishnu College for Women, Bheemavara, during July 22-23 2022.
6. Dr.V.RajyaLakshmi, HOD ECE, Ms.B.Deepa, Asst.Prof., Ms.K.Sindhuja, Ch.Lalitha Devi, Ms.DS.Sushma, Mr.B.Mothilal and Mr.T.Rajesh ECE, IV/IV ECE have presented a paper titled **“Design of Band Reconfigurable UWB Microstrip Patch Antenna For Cognitive Radio Application”** in

7th International Conference on Micro-Electronics, Electromagnetics and Telecommunications, organized by Sri Vishnu College for Women, Bheemavara, during July 22-23 2022.

7. Dr.Ch.Padmasree, Asst.Prof., ECE, Ms.K.Gayatri Shivani (319126512154), Mr.G.sunil (319126512143), Mr.M.Chaitanya (319126512160) and Ms.I.Pushpalatha (319126512149) 4/4 ECE has published paper title “**DC Solenoid Door Lock Keypad Using Arduino UNO**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
8. Mr.B.Jena, Asst.Prof., ECE, Ms. B.Bindu (319126512074), Ms.M.Rohoni (320126512L13) , Mr.K.Barath Kumar (319126512088) , Mr.J.SriRamPrateek (319126512087) 4/4 ECE has published paper title “**Nature-Inspired Optimization Algorithm Based Multilevel Thresholding Technique using Gaussian Entropy**”in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
9. Dr.J.BhaskarRao, Asst.Prof., ECE, Mr.A.Siva Kumar, Asst.Prof., ECE, Mr.S.SaiVenkatesh (318126512175), Mr.B.HarshaVardhan (318126512124), Ms.A.Manasa (319126512129) 4/4 ECE has published paper title “**Improved TK-FCM algorithm for brain tumour detection**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
10. Ms.Ch.Anoosha, Asst.Prof., ECE, Ms.K.Jyothi sirisha (316126512084), Ms.G.Sunitha Sai (316126512077) , Ms.T.Preethi (316126512114) 4/4 ECE has published paper title “**Deception Jamming To Cancel Radar Target Echo Using Interrupted Sampling Repeater**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
11. Dr. Vidyavathi Thota,Assoc.Prof., Ms.B.Rama Devi, Asst.Prof., ECE, Mr. Sahu Vijay kumar, Asst.Prof., ECE, Mr. Harshavardhan B (319126512010), 4/4 ECE has published paper title “**Design of Vivaldi Antenna loaded with Dumbell shaped slotsfor C-band Applications**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
12. Ms.M.Nirmala, Asst.Prof., ECE, Ms. Chandrika T (319126512184), Ms. Sneha B G S (319126512133) , Mr. Harshith G (319126512148) , Ms. Mahin Noorie Md (319126512164) 4/4 ECE has published paper title “**A Review of RCS Reduction Techniques Using Metasurface**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
13. Ms.B.Deepa, Asst.Prof., ECE, Mr. Villa Vidya Sri Sai Kiran(318126512118), Mr. Chilla Sandeep Reddy (319126512077) , Ms. Kondapalli YasaSwini (319126512092) 4/4 ECE has published paper title “**Design of Dual L-Slot Asymmetric I-Shaped Frequency Reconfigurable Antenna**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
14. Ms.Ch.Anoosha, Asst.Prof., ECE, Ms.K.Yasaoda, Asst.Prof., ECE, Ms. V.Charishma devi (317126512178) 4/4 ECE has published paper title “**Detection Of Counterfeit Currency Using Knn Supervised Algorithm**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.

15. Dr.A.Lakshmi Narayana, Asst.Prof., ECE, Mr. H.S.S.Thushar (318126512021), Mr. K.Ranjith Kumar(318126512023), Ms. L.Vaishnavi (318126512037) , Ms. V.Surya Bhavani (318126512057) 4/4 ECE has published paper title “**Performance Evaluation of OFDM and FBMC with Reduction of PAPR considering Companding Techniques**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
16. Dr. Vidyavathi Thota, Assoc.Prof., Ms.B.Rama Devi, Asst.Prof., ECE, Mr. P.S Akhil Nakka (319126512041), 4/4 ECE has published paper title “**Design and Analysis of Fractal Koch-like sided bow-tie antenna for Wireless Communication Applications**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
17. Ms.D.Nagamani, Asst.Prof., ECE, Ms.P.Devi, Asst.Prof., ECE, Ms. Lalithya Rama T (319126512058) 4/4 ECE has published paper title “**Comparison of Weiner Filter Method and Blind Deconvolution Method for Fast Moving Object Restoration**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
18. Ms.B.Deepa, Asst.Prof., ECE, Mr. Madimi Dhanush Karthik (319126512096), Ms. Gatreddi Bhavana sai sree (319126512082) 4/4 ECE has published paper title “**AUTOMATION OF VEHICLE TO VEHICLE DISTANCE MEASUREMENT USING IOT**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
19. Ms.D.Nagamani, Asst.Prof., ECE, Ms. V.Shireesha, Asst.Prof., ECE, Mr. H.Dinesh (319126512085) , Mr. A.Pavan Kalyan (319126512067) 4/4 ECE has published paper title “**Ship Detection Using Synthetic Aperture Radar Imagery**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
20. Mr.B.Chandra Mouli, Asst.Prof., ECE, Mr. S. Bhargav (318126512053) 4/4 ECE has published paper title “**Methods for Pilot Contamination Mitigation and Maximization of Spectral Efficiency in Massive MIMO**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.
21. Ms.P.Chaya Devi, Asst.Prof., Mr.K.Prem Sai Eswar Naidu, Ms.R.Poojitha, Mr.M.Naveen Kumar and Mr.U.Sai Lokesh 4/4 ECE has published paper title “**A Review on Blood Cell Subtype Classification**” in 2 Day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) organized by ECE department ANITS Engineering College AICTE Sponsored on the 4th & 5th of November, 2022.

FACULTY & STUDENT JOINT PAPER PUBLICATION IN JOURNAL

1. Ms.Ch.Padmasree, Asst.Prof., Ms.B.Deepa, Asst.Prof., ECE, Ms.D.Vaishnavi, Mr.M.Murthy, Ms.Pravallika, Mr.Satya Sai Kumar and Mr.S.Nikhil IV/IV ECE have published a paper titled “**Circularly Polarized MIMO Antenna for Wireless Applications**” in an International Journal of Xidian University, July 2022. <https://doi.org/10.37896/jxu16.7/003>.
2. Ms.Ch.Padmasree Asst.Prof., ECE, Ms.G.Sirisha, Mr.U.Mahesh, Mr.ATS.Prathap and Ms.M.Chandrasekhar IV/IV ECE have published a paper titled “**AI Virtual Mouse and Keyboard Using Python and Open CV to abate the spread of COVID-19**” in an International Journal of Journal of Xidian University, VOLUME 16, ISSUE 7, July 2022, PP: 303-310. <https://doi.org/10.37896/jxu16.7/025>.

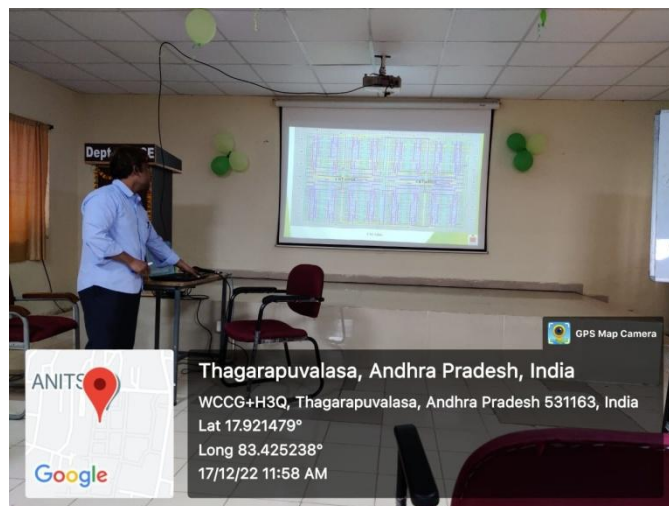
FACULTY PARTICIPATION IN WORKSHOPS & FDPs

1. Faculty of ECE department has successfully participated in **“IP Awareness Training program under National Intellectual Property Awareness Mission”** organized by Intellectual Property Office, India on 16th December 2022.
2. Dr.V.Rajyalakshmi, HOD, ECE, ANITS has participated faculty Development program on **“Pedagogy to Develop Quality Initiatives: A Student-Centric Learning”** organized by IQAC, KVSR Siddhartha College of Pharmaceutical Sciences,Vijayawada during 16th - 21st August 2022.
3. Dr.J.Bhaskara Rao, Asst.Prof., ECE, ANITS has participated faculty Development program on **“Pedagogy to Develop Quality Initiatives: A Student-Centric Learning”** organized by IQAC, KVSR Siddhartha College of Pharmaceutical Sciences,Vijayawada during 16th - 21st August 2022.
4. Mr.N.Srinivas Naidu, Asst.Prof., ECE has participated in one week workshop on **“AR/VR fundamentals for all”** organized by Dept.ECE in association with Centre for Research and Innovations, KSRM College of Engineering, Kadapa during 22nd – 27th August 2022.
5. Ms.P.Devi, Asst.Prof.,ECE has participated One week FDP on **“Processing and Security of Digital Images”** organized by NIT, Patna during 5th-9th December 2022.
6. Ms.P.Devi, Asst.Prof.,ECE has participated 40 hours online Program on **“Medical Image Processing”** organized by Electronics & ICT Academies, Supported by Ministry of Electronics and Information Technology (MeitY), Govt. of India during 22nd Aug- 2nd Sep 2022.
7. Mr.P.Devi Pradeep, Asst.Prof.,ECE has participated 3-Day online FDP on **“Emerging Trends in Electronics and Computer Engineering”** organized by NSRIT, Visakhapatnam during 27th – 29th Oct 2022.
8. Ms.B.Rama Devi, Asst.Prof.,ECE has participated six day online FDP on **“Hands-on Deep Learning Architectures For Data Classification Using Python”** organized by DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY, Ganguru, Vijayawada during 26th Sep- 1st Oct 2022.
9. Mr.N.Ram Kumar, Asst.Prof.,ECE has participated Six days virtual workshop on **“Research Opportunities in Semiconductor Materials and Devices (ROSMD-2022)”** organized by SRM Institute of Science and Technology, Kattankulathur during 19th -24th Oct 2022.
10. Dr.P.Muruga Pandiyan, Assoc.Prof.,ECE has participated Six days virtual workshop on **“Research Opportunities in Semiconductor Materials and Devices (ROSMD-2022)”** organized by SRM Institute of Science and Technology, Kattankulathur during 19th -24th Oct 2022.
11. Mr.N.Ram Kumar, Asst.Prof.,ECE successfully completed the 5-day Online FDP on the theme **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) during 10th -14th Oct 2022.
12. Ms.P.Chaya Devi, Asst.Prof.,ECE successfully completed the 5-day Online FDP on the theme **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) during 10th -14th Oct 2022.
13. Ms.PSM.Veena, Asst.Prof.,ECE successfully completed the 5-day Online FDP on the theme **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) during 10th -14th Oct 2022.
14. Ms.P.Devi, Asst.Prof.,ECE successfully completed the 5-day Online FDP on the theme **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) during 10th -14th Oct 2022.
15. Mr.KVG.Sreenivas, Asst.Prof.,ECE successfully completed the 5-day Online FDP on the theme **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) during 10th -14th Oct 2022.
16. Mr.N.Srinivas Naidu, Asst.Prof.,ECE successfully completed the 5-day Online FDP on the theme **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) during 10th -14th Oct 2022.
17. Mr.P.Devi Pradeep, Asst.Prof.,ECE successfully completed the 5-day Online FDP on the theme **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) during 10th -14th Oct 2022.

18. Mr.R.Chandra Sekhar, Asst.Prof.,ECE successfully completed the 5-day Online FDP on the theme **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) during 10th -14th Oct 2022.
19. Mr.A.L.Narayana, Asst.Prof.,ECE successfully completed the 5-day Online FDP on the theme **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) during 10th -14th Oct 2022.
20. Mr.B.Kiran Patrudu, Asst.Prof.,ECE successfully completed the 5-day Online FDP on the theme **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) during 10th -14th Oct 2022.
21. Mr.D.Anil Prasad, Asst.Prof.,ECE successfully completed the 5-day Online FDP on the theme **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) during 10th -14th Oct 2022.
22. Ms.M.Nirmala, Asst.Prof.,ECE attended Training program on **“Engineering Technologies in Mechanical, Electrical and Electronics Engineering”** organized by Vignans Institute of Information Technology(A), Visakhapatnam during 27th Jan- 2nd Feb 2023.
23. Ms.Ch.Anoosha, Asst.Prof.,ECE attended Training program on **“Engineering Technologies in Mechanical, Electrical and Electronics Engineering”** organized by Vignans Institute of Information Technology(A), Visakhapatnam during 27th Jan- 2nd Feb 2023.
24. Ms.D.Nagamani, Asst.Prof.,ECE attended Training program on **“Engineering Technologies in Mechanical, Electrical and Electronics Engineering”** organized by Vignans Institute of Information Technology(A), Visakhapatnam during 27th Jan- 2nd Feb 2023.
25. Ms.K.Yashoda, Assit.Prof.,ECE attended one week faculty development program on “Applications of Computer Vision using Deep Learning” organized by dept.of ECE, Seshadri Rao Gudlavalleru Engineering College” during 20th – 25th Feb 2023.

Seminar on "Fast and Cost Effective Computer Aided Design Methodologies for 3D IC design"

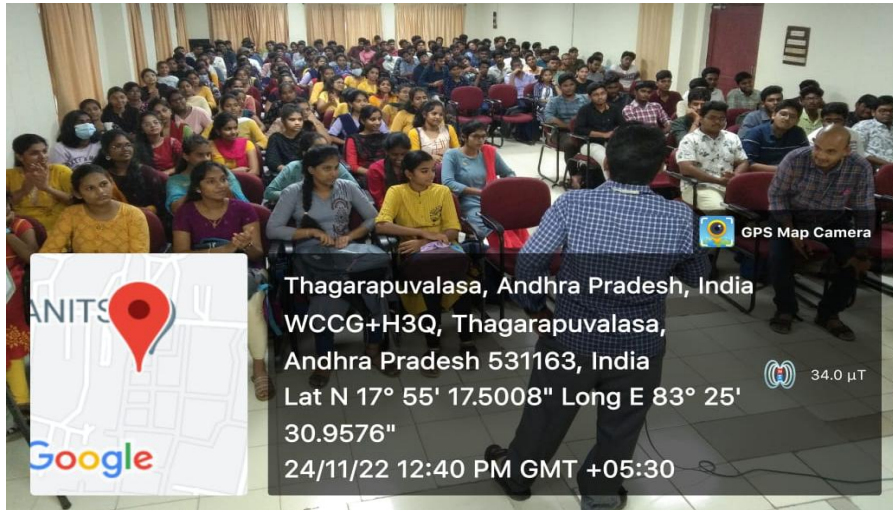
As part of PhD work/Research seminar series to enhance the R&D activities, a seminar was conducted on 17.12.2022 from 10.30 AM to 11.30 AM in the department of ECE. Dr.S.Srinivas, Assoc.Prof., ECE enlighten the research topics in IC design. All the Faculty members of ECE have attended the seminar.



Orientation Program for First Year Students

Orientation program for B. Tech First Year students, admitted in 2022 undergraduate in Electronics and Communications Engineering was conducted by the department of ECE, ANITS during 24-11-2022 to 26-11-2022. To provide an opportunity and to know about their department, academic disciplines, examination system, resources available and study approach. Welcome address was by Prof. B. Jagadeesh HOD, ECE in Dept. Seminar Hall, on the topic “Know your Department” from

9:00AM to 11:00AM, on 24.11.2021. Department of Training & Placement discussed on the topic “Importance of Trainings, IOT and Core companies” by Mr. Devi Pradeep garu, IIEEE by Dr. Muragapandiyan garu, ACES and IETE by Dr. N. Lakshminarayana and Mr. B. Chandramouli garu in the afternoon session. Yoga and Art of Mind Control conducted to motivate and built zeal. To create a friendly atmosphere and to encourage their creative impulses to boost their confidence, students visited the Tinkerer’s lab and arduino base ROBOT design. On final day fun and music events also conducted. The program is ended with the cultural program.



Expert Talk on "Make Mental Health and Well being for all A Global Priority"

An Expert Talk event was conducted by the department of ECE, ANITS on the topic “Make Mental Health and Well Being for all A Global Priority”, on 10.10.2022 by the speaker, Dr C.Radhakanth, Professor & HOD, Department of Psychiatry, Anil Neerukonda Hospital, Sangivalasa, Visakhapatnam. 190 students of ECE and faculty from ECE Dept and other departments have attended the Awareness Talk. Dr.Varun, MD Psychiatry Resident, NRIIMS has given the “Introduction to Mental health”. Dr. Ooha Manasa, MD Psychiatry Resident, NRIIMS given the awareness on “Why mental health is a Global priority?” Dr.Amulya, Senior Resident, NRIIMS discussed about “Common psychological problems among students”. Dr Rekha Dutt, Professor, NRIIMS addressed the topic “Are mental health problems treatable?” and Dr Radha Kanth C, HOD & Professor; NRIIMS discussed “What is well being and how to achieve it?” The event is coordinated by Dr.N.Swathi, Associate Professor, Dept.of ECE, ANITS.



International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT-2022)

AICTE sponsored Two-day International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022) was held at 4th & 5th of November, 2022 in Hybrid mode, Organized by the Department of Electronics & Communication Engineering, Anil Neerukonda Institute of Technology and Sciences (A). It is a great stride for the department in the direction of achieving excellence in the field of emerging technologies. Total 85 papers were received and 68 papers were accepted and presented. Prof. K. Sri Rama Krishna, Principal, ANITS (A), address the gathering in the inaugural function. He referred to the research being conducted on the development of prototype offered to share this technology, through the Project, with the other participating countries. Two Keynote speeches were conducted in this conference by Dr.M.SatyaPrasad Assistant General Manager, BSNL, Visakhapatnam and Prof. Dr.Sandeep Singh Sengar, Cardiff Metropolitan University, Wales, UK.



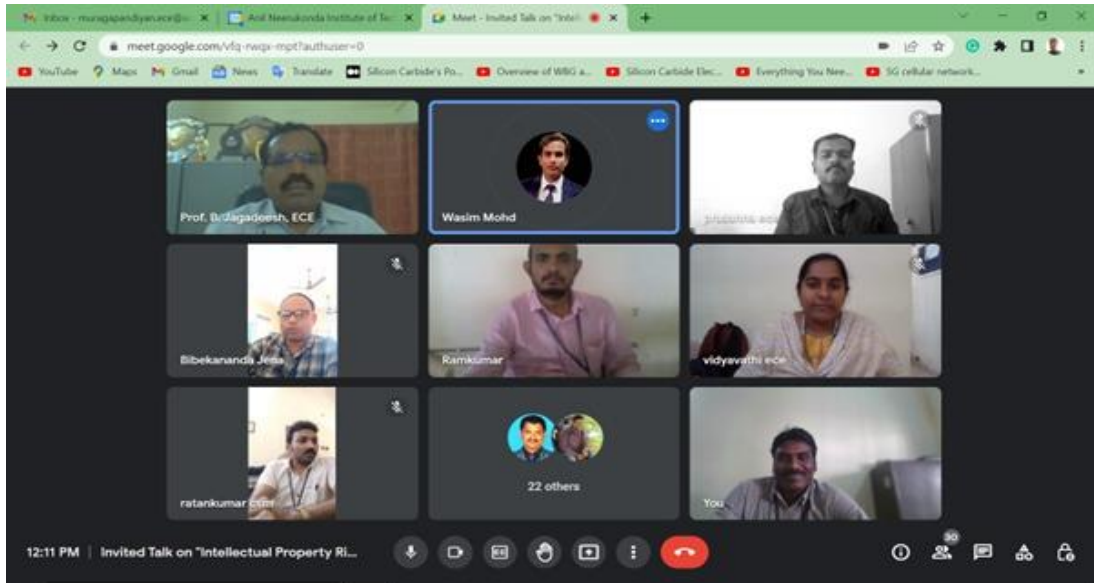
Student Rally “BAN ON SINGLE USE PLASTIC – ALTERNATIVES”

To create awareness on the harm created by excessive use of plastic and to suggest some alternatives to single use plastic, the NSS unit of department of ECE, ANITS organized a student rally on “BAN ON SINGLE USE PLASTIC – ALTERNATIVES” in CHITTIVALASA and TAGARAPUVALASA, Visakhapatnam (GVMC) on 9th July 2022. A total of 155 students from 2/4 ECE A, B and C sections are participated in this event. Dr. V. Rajya lakshmi, Prof & HOD, ECE department and Dr. Kalva Sri Rama Krishna garu, Principal, ANITS along with NSS Team of ANITS created awareness among students. This event is coordinated by Mr. N. Srinivasa Naidu, Asst. Professor, & Mr. R. Chandra Sekhar, Asst. Professor, Department of ECE, ANITS and supported by Dr. K. Satyanarayana, NSS Programming officer, ANITS.



Invited Talk on Intellectual Property Rights (IPRs)

On behalf of IEEE student Branch, ANITS, the Department of ECE, Anil Neerukonda Institute of Technology & Sciences organizing an invited talk on Intellectual Property Rights (IPRs) on 23-12-2022 (Online mode). Mr. MOHAMMAD WASIM, Assistant Professor, Division of Research & Development, Lovely Professional University was the resource person of the session. Totally 30 faculty members and 20 Final students were attended the session. The resource people Mr. MOHAMMAD WASIM enlighten the patent application filing procedure in India and demonstrated the existing patent search using Indian patent office website. The session is ended by thanking the resource person.



REPORT – MARATHON 2k RUN – ANTI DRUG AWARENESS

As part of National Level Student Tech Fest **ELEKTRA – 2k23**, the Department of ECE in association with ANITS Communication Engineers’ Society (ACES) conducted **2K-RUN** from Kalimatha Temple - YMCA to throw light on "**ANTI DRUG AWARENESS**" in association with Hima Humanitarian Association at RK Beach road from 6:30 am to 8:30 am on 12th February 2023 with around 200 students. Later there was a brief ZUMBA DANCE session at YMCA on the theme "**ANTI DRUG AWARENESS**". Shri. D. S. R. V. S. N. Murthy, Assistant Commissioner of Police, East Division, Visakhapatnam is the Chief Guest presided by Prof. Kalva Sri Rama Krishna, Principal, ANITS. The event was grand success under the guidance of Prof. B. Jagadeesh, CONVENER, ELEKTRA 2k23.



BUSINESS KOMBAT

As a part of National Level Student Tech Fest **ELEKTRA – 2k23**, the Department of ECE in association with ANITS Communication Engineers’ Society (ACES) 4-Day Business Kombat was conducted from 20th- 23rd February 2023. The main objective of the event was to bring out the

entrepreneurship spirit in students and create a co-creational space to ideate and work on their ideas. Round 1, "Word Decode", was based on a quiz related to business, ideation, start-ups & finance. Round 2, "?", where participants should construct a fictional business model on the given topic on the spot. Round 3, "What If?" was based on ideation and the participants were to work on their ideas and come up with a unique solution and a detailed plan of action. Round 4 "Idea-Whiz" where participants can showcase and present your ideas related to any business plan, business model, or startup plan. Out of 50 teams, 3 teams were winners.



2-Day Workshop on "ARDUINO"

The Department of Electronics & Communication Engineering of Anil Neerukonda Institute of Technology and Sciences, in association with IEEE – Electron Devices Society and ACES organized a Two-day workshop on "Arduino Programming" during 24th – 25th February 2023. Hands-on sessions to the participants were conducted on all the two days led by Dr.P.Murugapandiyam, Assoc.Prof., ECE and Dr.G.Prasanna,Asst.Prof., ECE. Around Seventy students participated and learned from the basics of Arduino to interfacing of different components with Arduino. The Workshop was convened by Prof. B. Jagadeesh, HoD, Dept. of ECE. 70 Students participated and benefited from this workshop.



Prepared by
Ms.M.Nirmala
Asst.Prof., ECE, ANITS
Ms.PSM.Veena
Asst.Prof., ECE, ANITS