VR Siddhartha Engineering College
Department of Electronics & Instrumentation Engineering

July - Dec   **ISSUE-1**   **A.Y 2023-24**

NEWS LETTER

VISION

To impart excellent education to provide globally competent Electronics and Instrumentation Engineers.

To establish Centre of Excellence and Research in Electronics and Instrumentation Engineering and allied fields.

MISSION

To prepare competent Electronics and Instrumentation Engineers who can pursue professional career and/or higher studies.

To promote excellence in teaching with academically good ambiance that allows the learners to be socially responsible with professional ethics.

PEO'S

PEO 1: Graduates excel in academic and professional career in Electronics and Instrumentation enabled industries or software industries or be an entrepreneur in the domain area.

PEO 2: Graduates pursue higher education in the core or allied areas of electronics and instrumentation engineering and actively contribute to academic/R&D activities.

PEO 3: Graduates exhibit professional and ethical attitudes having all-round personality to work in multi-disciplinary allied areas to be of use to the society.

PO'S

PO1	An ability to apply knowledge of mathematics, science and engineering fundamentals appropriate to the discipline
PO2	An ability to identify, formulate and solve problems by applying the principles of electronic instrumentation and control systems
PO3	An ability to design and implement instrumentation and control systems to meet desired needs with appropriate consideration for public health and safety, environment, society, economics and sustainability
PO4	An ability to design and conduct experiments as well as to analyse and interpret data
PO5	An ability to use the techniques, skills and modern engineering tools necessary for his engineering practice
PO6	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context
PO7	A knowledge of contemporary issues
PO8	An understanding of professional, ethical, legal and social issues and consequent responsibility relevant to professional engineering practice
PO9	An ability to function on multidisciplinary teams
PO10	An ability to communicate effectively with a range of audience in his professional engineering practice
PO11	A recognition of the need for and an ability to engage in lifelong learning
PO12	An ability to use engineering and management principles to one's own work, as a member and leader in a team to manage projects.

PSO'S

PSO1	Use basic engineering principles, concepts of measurement and sensor selection to design an industrial process.
PSO2	Apply basic knowledge related to circuits and devices for designing electronic systems to solve engineering problems.
PSO3	Demonstrate proficiency in the use of software and hardware required in industrial automation systems.

Guest Lecture on "My Story- Motivational Session by Successful Innovator"

The Department of EIE and IIC jointly organized a guest talk on "**My Story- Motivational Session by Successful Innovator**" on 16th October 2023. The objective of this program was to motivate the students to become a good Entrepreneur. Mr. Gopi Raja Ambula, CEO of Fopple Drone Tech Pvt. Ltd., Vijayawada, Krishna Dt, Andhra Pradesh, was the resource person for this event.

He mainly addressed about Early Beginnings of his entrepreneurial journey conceptualizing Agricultural Spraying Drones, Product Development and Testing, Education and Awareness, Reaching Millions of Farmers Pan India, Market Penetration, Impact on Indian Agriculture and Recognition and Future Plans. Also, he answered to the questions posed by the students. This event was coordinated by Mr.V.N.Prudhvi Raj and Mrs.K.Prasanti.

"INNOVATION DAY 2K23"

Department of EIE organized and celebrated Innovation Day celebrations on 16th October 2023. On this occasion, the department organized a **"Technical model Exhibition- cum – Competition"**. The outcome of this event is to encourage the students to convert their innovative ideas into real time projects, which will be helpful to the society. 28 project models by 112 participants were exhibited from different fields of applications. Out of 28, 2 models were exhibited under Smart Irrigation with Internet of Things (IoT), 2 model was exhibited under energy harvesting, 10 models were exhibited under Control and automation, 1 model was exhibited under Railway safety, 5 models were exhibited under Bio Medical and 8 models exhibited under IoT based applications.
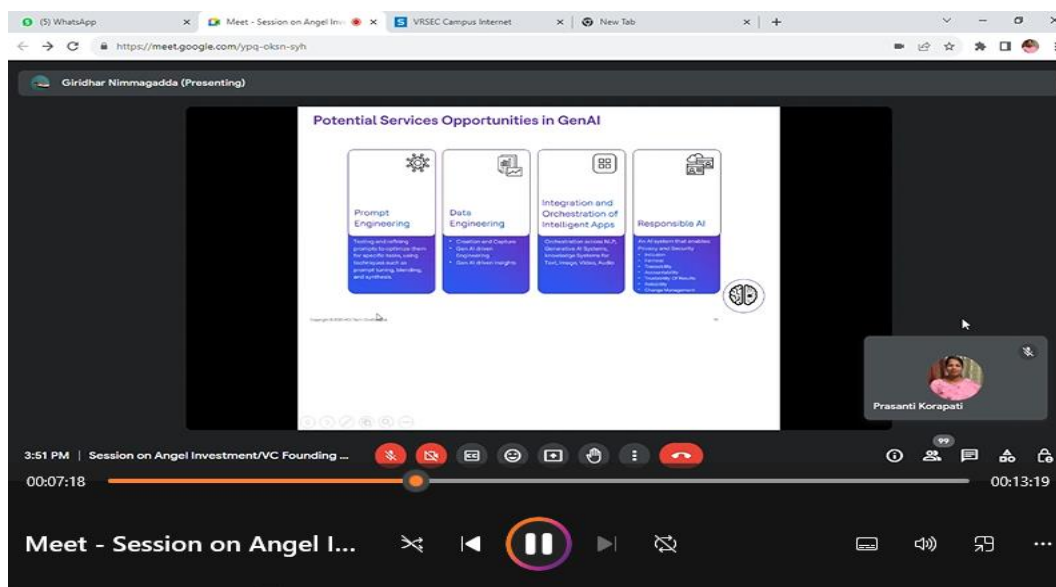
The project titled "Safe street initiative by open man hole detection using IoT" exhibited by V.Indira devika (218W1A1052), A.Anupama (218W1A1003), K.Lakshmi Swetha Sri (198W1A1052) and D.Anantha Sri Ram (218W1A1011), of III/IV B Tech EIE won the first prize. The working model titled "IoT based smart poultry farm Management System" by M.Venakata Sai Prasad (218W5A1006), Ch.Meenakshi (208W1A1009), M. Nicy (208W1A1029) and D.Charan babu (208W1A1013), of IV/IV B.Tech EIE won second prize. Also, two appreciation prizes are announced by Guest of honor to the students.

Mr. A.Gopi Raj, CEO, Flopple Drone Tech PVT Ltd, Vijayawada was invited to evaluate the performance of the students working models and their innovative ideas. This event was coordinated by Mrs.K.Prasanti.

Guest Lecture on "Angel Investment/VC Founding Opportunity for Early-Stage Entrepreneurs"

The Department of EIE and IIC jointly organized a guest lecture on "**Angel Investment/VC Founding Opportunity for Early-Stage Entrepreneurs**" on 31st August 2023. This program was meticulously crafted with the primary goal of cultivating a profound understanding of diverse investment avenues while underscoring the pivotal role that angel investments play in the dynamic landscape of entrepreneurship. By delving into a comprehensive exploration of various investment modalities, our aim is to empower participants with the knowledge and insights necessary to make informed financial decisions. N.Giridhar, Technical Solution Architect, Wipro, Hyderabad was the resource person for this event. He mainly addressed what is an angel investor, how the popularity is increasing in past to present, which parameters focus before investing, venture capital and where should angel invest etc. He answered to the questions posed by the students such as how we will start company based on idea, investment opportunities from the government and industrialists etc. This event was coordinated by Mr.V.N.Prudhvi Raj and Mrs.K.Prasanti.
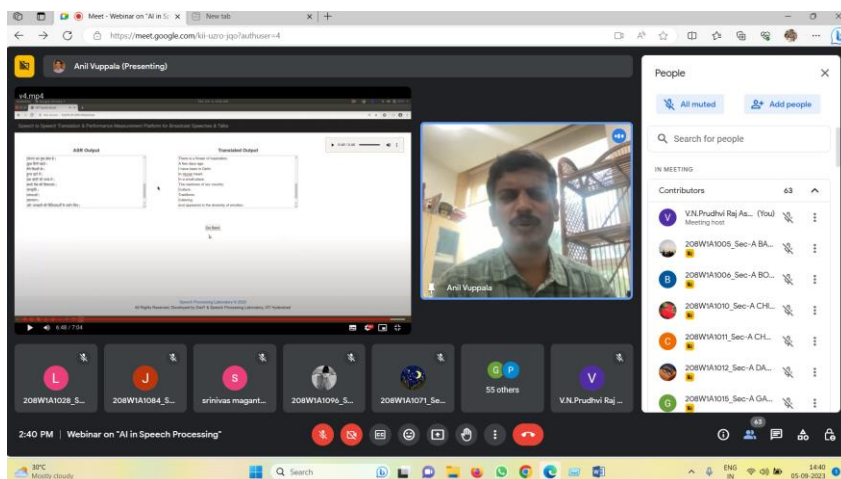
"Poster Presentation on Business Plans"

Department of EIE and IIC jointly organised a "**Poster Presentation on Business Plans**" event on 28th August 2023. The event aims to inspire students to transform their innovative ideas into tangible projects with real-world impact. By bridging the gap between imagination and execution, students are empowered to address societal needs. This initiative fosters a proactive approach, nurturing a culture of innovation and social responsibility. As students delve into practical project development, they gain valuable skills, teamwork experience, and a sense of accomplishment. Ultimately, the event cultivates a generation of forward-thinkers who recognize the potential of their ideas and have the drive to create positive change in their communities, making innovation a driving force for societal betterment. A total of 38 students participated in this competition. Dr.Murali Kilaru, Advanced Packaging Technologist, Intel Corporation, USA was invited to evaluate the performance of the students innovative ideas. This event was coordinated by Mr.V.N.Prudhvi Raj and Mrs.K.Prasanti.

Webinar on "AI in Speech Processing"

The Department of EIE organized a webinar on **"AI in Speech Processing"** on 5th September 2023. Dr.V Anil Kumar recieved the Ph.D degree from the IIT KHARAGPUR in 2012 working as Associate Professor at IIIT Hyderabad was the resource person. A total of 63 participants were attended the webinar to update their knowledge in the area of speech processing. The webinar covered the fundamentals of speech processing, publicly available datasets, reseach challenges in the area of speech processing, deep learning models used to solve various problems in the area of speech processing. Mr. V N Prudhvi Raj, Associate Professor, EIE was the coordinator of this event.

ISOI Events
"Talking Titans"

Welcome to
Competition
on
"Talking Titans"
(Extempore)

15th sept 2023

ISOI club and Dept. of EIE jointly organizing the event

Topics: Talking Titans (Extempore topics)

1. Atmanirbhar Bharath
2. Solar Mission of ISRO
3. From Lab to Life: How Engineers impact Everyday living
4. ChatGPT- A Threat to Human jobs or tools towards Excellence

Instrument Society of India (ISOI) Student chapter organized a technical event "Talking Titans (Extempore)" for the students of 2/4 & 3/4 B TECH (EIE) to develop effective oral communication skills. This event was conducted on 15th Sept 2023. 14 members participated in this event where the students were given to choose one topic and speak about that for a minute.

Spandana Club events
"National Unity Day"

India is a secular country with diversified cultures and significance in their own kind. As an endeavor to solidify the bond of oneness and unification, the country celebrated the Birth Anniversary of Sardar Vallabhai Patel on 31st October as **Rashtriya Ekta Diwas (National Unity Day)**. In line with the celebrations countrywide, Dept. of EIE, V R Siddhartha Engineering College following the mandate organized various activities in the department premises in order to extend their heartfelt appreciation for the life and the involvement of the great leader, Sardar Patel, in the veritable contribution during the freedom struggle and to lay a foundation of a unified country fused with oneness. The idea was to infuse in the young future generation with values integrated with the knowledge and adoration about the country's rich heritage. Dr.G.N.Swamy, Head of the department paid tribute to Sardar Vallabhai Patel with a garland. The throng of activities started with a pledge that embarked on the spirit of unity among fellow students.

"Teachers Day" Celebration's

Teachers' Day is celebrated to honor the memory of India's first Vice President and to commemorate the importance of teachers in our lives. Every year, September 5th is celebrated as "Teacher's Day" to commemorate the birth anniversary of Dr. Sarvypalli Radha Krishnan garu. In Dept. of EIE, V R Siddhartha Engineering College this day was celebrated very grandly. Dr.G.N. Swamy, Head of the department pays tribute to of Dr. Sarvypalli Radha Krishnan garu with a garland.

The event commenced with a special plant gifting ceremony where each teacher was presented with a potted plant as a token of appreciation for their dedication and hard work.

Faculty Achievements

- Mr. P Duraga Prasada Rao **awarded with Ph.D. for his thesis** titled "ANALYSIS OF OPTIMIZED INDOOR LOCALIZATION TECHNIQUES FOR WIRELESS SENSOR NETWORKS" by K L Deemed to be University, Vijayawada in August 2023.
- Mr. Sankalp Paliwal **awarded with Ph.D. for his thesis** titled "Design, Modelling, Fabrication, and Testing of a Hall Effect Based Pressure Sensor" by BITS, Pilani in September 2023.
- Dr. Md.Firose Shaik shared his knowledge as a speaker in a DST sponsored 4 week Online TEDP on " Application of Block chain Technology in Rural Sustainable Development with Special Reference to Andhra Pradesh" organized by Dept. of EEE, Ramachandra College of Engineering, Eluru during 5th to 28th September 2023.

Projects Applied by Faculty

1. Dr. S Srinivasulu Raju and Dr. CSS Anupama applied for a project with the title "Design, Fabrication and Experimental Validation of Cancer Cell Detection Using Sensors and Deep Learning Algorithms" to SERB-SURE on 13th December 2024.
2. Dr. Sankalp Paliwal and Dr. G.N.Swamy applied for a project with the title "Design of Hand Prosthetics Based on FMG Signals Using Wearable Sensor" to SERB-SURE on 2nd November 2024.
3. Dr. N.Swathi and Mr.V.N.Prudhi Raj applied for a project with the title "Development of a Low-cost Portable handheld Ultrasound Imaging device for the detection of Plaque in arteries using AI techniques" to SERB-SURE on 15th December 2023.

4. Dr.P.Durgaprasadarao, Dr.K.Suvarnavani, Dr.Anuja Charpe and Dr.R.Santosh applied for a project with the title "Community-Driven IOT-Based Water Quality and Disease Alert System" to DST on 29th September 2023.

5. Dr. Anuradha Tadiparthi, Dr.G.JayaLkshmi, Dr.K.Sita Kumari and Dr.Sankalp Paliwal applied for a project with the title "Kritrim Dristhi: A Smart Wearable Device for Visually Impaired People" to SERB-SURE on 2nd November 2023.

6. Dr A.Sumalatha applied for a project with the title "B-SMAAT Bike - Smart Monitoring And Alerting Technology for improved safety and Eco-Friendliness" to MEMS on 31st August 2023.

Patents Published by Faculty

1. Dr. P. Durgaprasadarao published a patent titled "Novel Optimized Rf Mems Switch For Satellite And Wireless Communication systems" with application no: 202341080119 on 22/12/2023.

2. Polepogu Rajesh published a patent titled "A Method For Diagnosing And Treating Cancer Based On Nano-Robots" with application no: 202341080481 on 22/12/2023.

3. Sushma Chowdary Polavarapu published a patent titled "High-Tech Multi Functional Smart Bluetooth Speaker" with application no: 396273-001 on 08/11/2023.

4. Kranthi Madala and Dr. N.Swathi published a patent titled "Advanced Dual Authentication Entry System" with application no: 396272-001 on 08/11/2023.

5. Polepogu Rajesh published a patent titled "A Cloud-Based Robotics Control System" with application no: 202341068188 on 20/10/2023.

6. Polepogu Rajesh published a patent titled "A Smart Control System Using IoT For Electric Vehicles Management And Method Thereof" with application no: 202341041801 on 01/09/2023.

Faculty Publications

International Journals:

1. **Swathi Nadipineni**, Dimmita Nagajyothi, Shibu Soman, Selvam Arun Kumar, Ramkumar Govindaraj, Ahammad Shaik Hasane and Omran Omar Karem, "Continuous wave light sources with various optical modulators for signal quality optical fiber systems enhancement" Journal of Optical Communications, 2023. https://doi.org/10.1515/joc-2023-0221.

2. **Sushma Chowdary, P**., Panda, S.K. & Naidu, V.P. "Development of asymmetric feed MIMO antenna for Wi-MAX, WIFI applications". Appl. Phys. A 129, 736 (2023).

3. Parimi Hema Sree, **Polavarapu Sushma Chowdary**, Chandran Ramesh Kumar, Madhubalan Selvaraju, Ramachandran Thandaiah Prabu, Rashida Maher Mahmoud, Shaik Hasane Ahammad "Spatial light sources with various optical wavelength window for high speed broadband optical fiber channel system" Journal of Optical Communications, 2023.

4. **C. S. S. Anupama,** Saud Yonbawi, G. Jose Moses, E. Laxmi Lydia, Seifedine Kadry and Jungeun Kim, "Sand Cat Swarm Optimization with Deep Transfer Learning for Skin Cancer Classification", Computer Systems Science and Engineering 2023, Vol.47, No.2 2079-2095. https://doi.org/10.32604/csse.2023.038322.

5. **Jalalu Guntur**, S. Srinivasulu Raju "Performance Analysis of a Three-DOF Piezoelectric Vibration Energy Harvester", Journal of Polymer & Composites, Volume 11, Special Issue 9, 2023, S10-S18.

6. **Kranthi Madala**, M. Siva Ganga Prasad; "Crop mapping through hybrid capsule transient auto-encoder technique based on radar features", Multimedia Tools and Applications, Oct 2023.

7. Vishnampet, D.S., Yenuganti, S., **Paliwal, S**. et al. "Design and simulation of a resonance-based MEMS viscosity sensor". J Comput Electron (2023).https://doi.org/10.1007/s10825-023-02114-9.

8. **D.Anusha**, Dr.D.Prabakar, K. Srinivas, et al. "Synthesis of Elliptical Antenna Array using Hybrid SSWOA Algorithm" ACES JOURNAL, Vol. 38, No. 5, May 2023.

Book Chapters:

1. Elvir Akhmetshin, Sevara Sultanova, **C. S. S. Anupama**, Kollati Vijaya Kumar, and E. Laxmi Lydia, "Surveillance Video-Based Object Detection by Feature Extraction and Classification Using Deep Learning Architecture", Published in Intelligent Data Engineering and Analytics, Proceedings of the 11th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2023), Springer Smart Innovation, Systems and Technologies 371, Vol.2, pp. 369-378, November 2023.

2. **Mahammad Firose Shaik**, "Evaluation of Bone Age by Deep Learning Based on Hand X-Rays", Proceedings of the International Conference on Expert Clouds and Applications, Published in Lecture Notes in Networks and Systems ((LNNS,Volume 673)) 978-981-99-1745-7, July 2023.

International Conferences:

1. Bulla Sujitha, **Mrudula Kilaru**, MA. Noor Jahan Parveen, Chandana Kanikicherla, Aakash Chowdary Gudavalli, Haneesha Perusomula,"IoT based Smart Water Meter System with Sensor", ICAISS 2023, pp. 1519–1522, DOI: 10.1109/ICAISS58487.2023.10250586.

2. M. Venkata Sai Prasad, **A. Sumalatha**, K Sudha Rani, M. Nicy, D. Charan Babu, Ch. Meenakshi, "IOT Based Smart Poultry Management System", IEEE sponsored 3rd International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES 2023) held at the Department of Computer Science and Engineering, St. Joseph's Institute of Technology (Autonomous), Chennai, TamilNadu, India on 14th and 15th December 2023.

3. P Vijaya Lakshmi, **A Sumalatha**, K Sudha Rani, K Sai Aasritha, K Kalyan, O Chandra Sekhar, "Fisherboat Tracking System Using IOT", International Conference on Computational Intelligence, Networks and Security (ICCINS-2023).

4. Krishna Chaitanya Ghantasala, **Kranthi Madala**, Baji Nalamala, Venkata Mohan Sesha Sai Yarasu, Sneha Thammisetty, "Smart Sericulture Monitoring System using IoT", 2023 Innovations in Power and Advanced Computing Technologies (i-PACT), 2023.

5. Sunkara Syam Naidu, **Prasanti Korapati**, Nadella Trisha, Gaddam Vedadri, Ganna Jahnavi "Vertical Green House Onions Farming Using Arduino", 2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS), 06 December 2023, DOI: 10.1109/ICSSAS57918.2023.10331681, Erode, India.

6. G Jasmitha Chowdary, **Seelam Kalpana**, etc al, "Milk Fever Detection Device for Cattle Using Internet of Things", Proceedings of the International Conference on Sustainable Communication Networks and Application (ICSCNA 2023), DVD Part Number: CFP23DW8-DVD; ISBN: 979-8-3503-1397-0.

7. Y. Venkat Vivek, **K. Umamaheswari**, R. Nikesh, G. Rupesh and T. Venkata Sai Sriharika "IoT based ESP32-C3 Driven Smart Energy Meter" MLIP and AEMI - 2023. conference proceedings in Grenze International Journal of Engineering and Technology, Jan 2024 Issue Volume 10, issue 1, pp2138-2144.Grenze ID: 01.GIJET.10.1.18_2.

8. Avinash Pingali, **Srinivas Paruchuri**, etc., "Implementation of Artificial Neural Network-Based Signal Conditioning Circuit for a Temperature Transducer", 2023 2nd International Conference on Futuristic Technologies (INCOFT), Karnataka, India. Nov 24-26, 2023, DOI: 10.1109/INCOFT60753.2023.10425711.

9. Avinash Pingali, **Srinivas Paruchuri** etc, "Novel Maximum Power Point Tracking Implementation Using Satin Bowerbird Algorithm" 2023 First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI), DOI: 10.1109/ICAEECI58247.2023.10370906.

10. Jaya Prakash Basava, **Srinivas Paruchuri** etc., "Implementation of Industrial Automation Pyramid", 2023 Innovations in Power and Advanced Computing Technologies (i-PACT), PP 1-5, DOI: 10.1109/I-PACT58649.2023.10434790.

11. Avinash Pingali, **Paruchuri Srinivas**, et al, "Polynomial Fit-Based Linearization of NTC Thermistor and Construction of Temperature Alarm for HTST Pasteurization", 2023 Global Conference on Information Technologies and Communications (GCITC) Karnataka, India. Dec 1-3, 2023, PP:1-7, doi:10.1109/GCITC60406.2023.10426623.

12. **Rajesh Polepogu**, K. Parish Venkata Kumar, B. Lakshmi, Durga Mahesh Saladi, Vijay Kumar Sompalli, Susan Kajal Shaik "Identification of presence of Epilepsy using Predictive Analytics" International Conference on Intelligent and Smart Computation (ICIASC-2023) organized by Department of Computer Science and Engineering in collaboration with the University Centre of Research and Development, Chandigarh University, Campus – Gharuan, Mohali, Punjab, India, 2023.

13. **S. S. Raju**, Y. Sujan, T. Niranjan, K. S. Tarun and B. Teja, "Identification of Fake Indian Currency Using Deep Learning Techniques," 2023 IEEE Technology & Engineering Management Conference - Asia Pacific (TEMSCON-ASPAC), Bengaluru, India, 2023, pp. 1-6, doi: 10.1109/TEMSCON-ASPAC59527.2023.10531450.

14. B. Teja, **S. S. Raju**, R. Bhuvaneswari and G. U. Stella, "Automatic vehicle access control into the residential areas using Face Detection and ANPR technologies," 2023 IEEE Technology & Engineering Management Conference - Asia Pacific (TEMSCON-ASPAC), Bengaluru, India, 2023, pp. 1-6, doi: 10.1109/TEMSCON-ASPAC59527.2023.10531338.

15. C. Yadav, **S. Paliwal**, S. Yenuganti and **S. R. S**, "Design and Simulation of a Differential Resonant Pressure Sensor," 2023 16th International Conference on Sensing Technology (ICST), Hyderabad, India, 2023, pp. 1-6, doi: 10.1109/ICST59744.2023.10460831.

16. Vasanthi Ramisetti, **P.Sushma Chowdary,** Chandu Bankuru, Sudeepthi Peda; Mahendra Pasala "Automatic Grass Cutting Robot Using Arduino And Ultrasonic Sensor" 11th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO) 2024 DOI : 10.1109/ICRITO61523.2024.10522393.

17. **K. Niharika** "Enhancement of Network Security in MANET using Adaptive Coronavirus Herd Immunity Optimizer (ACHIO) Algorithm for IoT Applications" Proceedings of the 3rd International Conference on Applied Artificial Intelligence and Computing (ICAAIC-2024) IEEE Xplore Part Number: CFP24BC3-ART; ISBN: 979-8-3503-7519-0.

18. **K. Niharika**, Cardiovascular Disease Prediction Through Machine Learning Algorithms" Proceedings of the 3rd International Conference on Applied Artificial Intelligence and Computing (ICAAIC-2024) IEEE Xplore Part Number: CFP24BC3-ART; ISBN: 979-8-3503-7519-0.

19. C. S. Deepthi, **S. Kalpana**, S. V. Charan and D. Lekhana, "Automatic Fish Feeder Using Tracking of Solar Energy and Internet of Things," 2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON), Gautam Buddha Nagar, India, 2023, pp. 311-315, doi: 10.1109/UPCON59197.2023.10434688.

20. M. Gopamsana, **M. F. Shaik**, S. N. Joyes, S. R. Chandra, P. V. Rao and G. S. S. S. S. V. Krishna Mohan, "Enhancing Parkinson's Disease Diagnosis: A Novel Ensemble Stacking Algorithm using Voice Data Analysis," 2023 International Conference on Data Science, Agents & Artificial Intelligence (ICDSAAI), Chennai, India, 2023, pp. 1-7, doi: 10.1109/ICDSAAI59313.2023.10452655.

21. R. G. V. Prasanna, **M. F. Shaik**, L. V. Sastry, C. G. Sahithi, J. Jagadeesh and P. V. Rao, "Deep Learning-Based Bone Age Assessment from Hand X-Rays: An Evaluation and Analysis," 2023 International Conference on Data Science, Agents & Artificial Intelligence (ICDSAAI), Chennai, India, 2023, pp. 1-8, doi: 10.1109/ICDSAAI59313.2023.10452582.

22. Harika, G., **Swathi, N.,** Nikhil, S.M., Teja, C.J., Kumar, P.K. "Automatic Railway Track Crack Detection and Alert System," 2023 Innovations in Power and Advanced Computing Technologies (i-PACT), Kuala Lumpur, Malaysia, 2023, pp. 1-7, doi: 10.1109/i-PACT58649.2023.10434822.

23. Venkata Sneha, G., **Swathi, N**., Vamsi Vinay Nukesh, S., Shiva Shankar, Ch., Sai Phani Bhavanth, K. "360-Degree Disinfection Box using Ultraviolet Sterilization with IoT," 2023 Innovations in Power and Advanced Computing Technologies (i-PACT), Kuala Lumpur, Malaysia, 2023, pp. 1-6, doi: 10.1109/i-PACT58649.2023.10434464.

24. **S Srinivasulu Raju** "Stress detection and performance analysis using IOT based monitoring system" IPDIMS 2023, Lecture Notes in Mechanical Engineering, 2023.

25. **P. Rajesh**, "An Arduino based Advanced Safety Method for Automatic Railway Gate Control" IEEE 2nd International Conference on Automation, Computing and Renewable Systems (ICACRS-2023) Mount Zion College of Engineering and Technology, Pudukkottai, Tamil Nadu, India.

26. **Mahammad Firose Shaik** "Evaluation of Bone Age by Deep Learning Based on Hand X-Rays" ICOECA-2023, R V College of Engineering, Bangalore.

27. **Jayalakshmi Chandra**, "An Android Application for Smart Garbage Monitoring System using Internet of Things (IoT)" 7th International Conference on Computing Methodologies and Communication (ICCMC), Surya Engineering College.

28. **K. Prasanthi**, "Accident Prevention in Curved Ghat Roads Using Embedded Systems", 2023 IEEE 7th International Conference on Information and Communication Technology (CICT), PDPM, IIIT. India.

29. **Mr G. Jalalu**, "Performance Analysis of MIMO Tank System using Adaptive Controller", IEEE 9th International Conference for Convergence in Technology (I2CT), Pune, Siddhant Group of Institutions, IEEE Bombay Section.

Faculty Participation in FDP's/Workshops/STTP's

1. Mrudula Kilaru, Dasari Anusha and K Niharika attended 9 Days Training on "NEP Orientation & Sensitization Programme" organised by UGC-MMTTC, Sri Venkateswara University, Andhra Pradesh from 15-12-2023 to 23-12-2023.

2. Dr. Swathi Nadipineni attended 3 days Workshop on "VLSI and MEMS in Medicine" organised by VR Siddhartha Engineering College, Andhra Pradesh from 20-12-2023 to 22-12-2023.

3. Korupu Vijaya Lakshmi attended One Day Guest Lecture on "Management Guidelines from Bhagavad Gita" organised by VR Siddhartha Engineering College, Andhra Pradesh on 20-12-2023.

4. Prasanti Korapati and Kalpana Seelam attended One week FDP on "Novel Materials, Devices and Applications" organised by VR Siddhartha Engineering College, Andhra Pradesh from 11-12-2023 to 16-12-2023.

5. Jayalakshmi Chandra attended One day Seminar on "Leveraging Model-Based Design for Medical Device Development" organised by Mathworks, USA on 13-12-2023.

6. Korupu Vijaya Lakshmi attended One Week FDP on "IoT with Machine Learning" organised by PVKK Institute of Technology, Andhra Pradesh from 27-11-2023 to 02-12-2023.

7. Jayalakshmi Chandra attended One day Seminar on "Developing Real-Time Medical Imaging Formation and Analysis Workflow on NVIDIA Clara GPU" organised by Mathworks, USA on 15-11-2023.

8. Jayalakshmi Chandra and Kalpana Seelam attended One week FDP on "Emerging Technologies on Wearable Energy Harvesting and Storage Devices for Driving Innovative Sustainability" organised by Koneru Lakshmaiah Education Foundation, Andhra Pradesh from 06-11-2023 to 11-11-2023.

9. Sushma Chowdary Polavarapu attended One Day FDP on "AI CLOUD APPS" organised by AICTE, AI Technologies Pvt. Ltd., Andhra Pradesh on 04-11-2023.

10. Dr. CSS Anupama and Kalpana Seelam attended 11 days Workshop on "Asymptotic Analysis of Algorithms" (AAA)" organised by NIT Warangal, Telangana from 19-10-2023 to 29-10-2023.

11. Jayalakshmi Chandra attended One day Seminar on "How to develop state-of-the-art LIDAR perception algorithms with MATLAB" organised by Mathworks, Amsterdam on 17-10-2023.

12. Dr. Swathi Nadipineni, B. Rama Gopi and K. Niharika attended One week Training on "Explainable Artificial Intelligence in Remotely Sensed Data: A Review of Applications and Current Research" organised by VR Siddhartha Engineering College, Andhra Pradesh from 25-09-2023 to 30-09-2023.

13. Dr. CSS Anupama, Jayalakshmi Chandra and Mrudula Kilaru attended One Week FDP on "Outcome Based Education" organised by VR Siddhartha Engineering College and NITTR Chennai, Andhra Pradesh from 05-09-2023 to 09-09-2023.

14. Dr. Paruchuri Srinivas, K. Umamaheswari and Korupu Vijaya Lakshmi attended One Day FDP on "Research Management Through Sponsored & Consultancy Projects and Patents" organised by VR Siddhartha Engineering College, Andhra Pradesh on 09-09-2023.

15. Dr. Paruchuri Srinivas and Dr. P.Durgaprasadarao attended 5 days FDP on ""Trends in Technological Intelligence 2023" organised by Babu Banarasi Das Northern India Institute Of Technology, Lucknow from 21-08-2023 to 25-08-023.

16. Jayalakshmi Chandra attended One day Seminar on "Explainable and Interpretable AI for medical device certification" organised by Mathworks, Mumbai on 24-08-023.

17. Dr. Swathi Nadipineni attended One day Seminar on "Unlocking the Potential Of Wide Bandgap Semiconductors For Extreme Environments" Organised By VR Siddhartha Engineering College, Andhra Pradesh on 19-08-2023.

18. Dr. P.Srinivas, K Umamaheswari, Kranthi Madala, Korupu Vijaya Lakshmi, Sushma Chowdary Polavarapu and Mrudula Kilaru attended Seven days FDP on "Outcome Based Education and Essential AI Tools for Teachers" organised by CARMEL College in association with The Kerala State Higher Education Council, Thrissur, Kerala from 10-08-2023 to 18-08-2023.

19. Jayalakshmi Chandra attended One day Seminar on "Model-Based Systems Engineering (MBSE) applied to Medical Device Development" organised by Mathworks, Chennai on 17-08-2023.

20. Dr. N.Swathi attended 6 weeks Training on "Python with Machine Learning" organised by Center of Excellence, National Instruments Innovation Center, ITS Engineering College, Greater Noida from 21-06-2023 to 09-08-2023.

21. Korupu Vijaya Lakshmi attended One Day Seminar on "AI and Metaverse" organised by National Institute of Electronics and Information Technology (NIELIT), Chandigarh, on 02-08-2023.

22. Dr. P.Durgaprasadarao attended One Week FDP on "Innovative Tools in information Technology and Management Discipline for Enhancing Education and Research" organised by IIMT college of Management, IIMT college of Management, Greater Noida. from 25-07-2023 to 31-07-2023.

23. Dr. Paruchuri Srinivas attended One Month FDP on "Electrical Vehicle Design" organised by Pantech e learning Pvt. Ltd., Chennai from 28-06-2023 to 28-07-2023.

24. Mrudula Kilaru attended One Day Workshop on "Teaching for Excellence" organised by PVP Siddhartha Engineering College, Andhra Pradesh on 05-07-2023.

25. Korupu Vijaya Lakshmi completed NPTEL online certification on "Machine Learning and Deep Learning - Fundamentals and Applications" organised by IIT Guwahati, Assam.

Students Achievements

- B. Siva Ganesh (228W5A1013) of 4/4 EIE Secured second position in Infinito'23 organized by the Dept. of IT on 10/11/2023.
- P. Naga Avishitha, J. Likhitha Vinod, G. Jasmitha Chowdary, V. Indira Devaki and D. Sri Ram of 4/4 EIE Secured First prize in Model expo organized by Innovation council on 16/10/2023.
- M. Venkata Sai, Ch. Meenakshi and D. Charan of 4/4 EIE Secured Second prize in Model expo organized by Innovation council on 16/10/2023.

Placements

A total of **32** placement offers are obtained by 4/4 B.Tech. students in software and hardware companies like **TCS Digital, TCS Ninja, Accenture, Teachnook** etc., during July – Dec 2023.

S.NO	NAME	ROLL NUMBER	COMPANY	PAY PACKAGE
PLACEMENTS REPORT ACADEMIC YEAR: 2023-24 JULY –DECEMBER 2023				
1.	AVINASH PINGALI	208W1A10A5	TCS DIGITAL PEGA	7.7 LPA
2.	TEJA BUDDEPU	208W1A1007	TCS NINJA PEGA	3.96 LPA
3.	KRISHNA CHAITANYA G	208W1A1017	TCS NINJA PEGA	3.96 LPA
4.	SAI BHARGAV V	208W1A1057	TCS NINJA PEGA	3.96 LPA
5.	VENKATA SNEHA G	208W1A1077	TCS NINJA PEGA	3.96 LPA
6.	SAI CHARAN ATMAKURI	208W1A1065	AVANTEL	4.5 LPA
7.	TEJASWI KONDAPALLI	208W1A1088	SCHNEIDER ELECTRIC	5.5LPA
8.	JASMITHA CHOWDARY G	208W1A1079	IBM	4.5 LPA
9.	BHARGAV PRAKASH K	208W1A1024	ACCENTURE	4.5 LPA
10.	SOWMYA LOYA	208W1A1028	ACCENTURE	4.5 LPA
11.	SOWJANYA B	208W1A1068	ULERN EDU TECH	3.6LPA
12.	VASANTHI RAMISETTI	208W1A10A7	ULERN EDU TECH	3.6LPA
13.	VEDA CHARAN SANAPATHI	208W1A10B0	UNSCHOOL	5.3LPA
14.	BTL PRASANNA	208W1A1006	TEACHNOOK	3LPA
15.	GANESH CHUNDRU	208W1A1011	TEACHNOOK	3LPA
16.	SAI KUMAR DANDUBOYINA	208W1A1012	TEACHNOOK	3LPA
17.	PRUDHVI NAIDU G	208W1A1016	TEACHNOOK	3LPA
18.	J N V LAKSHMI PRIYANKA	208W1A1021	TEACHNOOK	3LPA
19.	SRI SAI BHAVYA MEESALA	208W1A1030	TEACHNOOK	3LPA
20.	SURYA SESHU KUMAR N	208W1A1038	TEACHNOOK	3LPA
21.	KARUNA PASUPULETI	208W1A1041	TEACHNOOK	3LPA
22.	HARSHITA VADLAMUDI	208W1A1053	TEACHNOOK	3LPA
23.	GANESH VEMPALA	208W1A1056	TEACHNOOK	3LPA
24.	ANAND YELLANKI	208W1A1062	TEACHNOOK	3LPA
25.	CHANDU BANKURU	208W1A1067	TEACHNOOK	3LPA
26.	BHANU PRASAD NAKKA	208W1A1098	TEACHNOOK	3LPA
27.	SAHITHI PEDADA	208W1A10A2	TEACHNOOK	3LPA
28.	SUDEEPTHI PEDADA	208W1A10A3	TEACHNOOK	3LPA
29.	VENKATA SAI PRASAD M	218W5A1006	TEACHNOOK	3LPA
30.	SYAM NAIDU SUNKARA	218W5A1008	TEACHNOOK	3LPA
31.	VIJAY KUMAR SOMPALLI	218W5A1014	TEACHNOOK	3LPA
32.	S RAVI CHANDRA	218W5A1016	TEACHNOOK	3LPA