VR Siddhartha Engineering College
Department of Electronics & Instrumentation Engineering

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NEWS LETTER

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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 Rights, Values, Duties, and Responsibilities of a Citizen

A Guest Lecture on "**Rights, values, duties, and responsibilities of a citizen**" was organized by the Department of EIE, VRSEC in association with IQAC on 30th June, 2022. The main objective of this guest lecture is to make the students aware of the moral responsibilities and duties mentioned in the constitution being a citizen of India. The Guest lecture was carried out by the resource person Dr.Ch.Divakar Babu, Principal, SVD Siddhartha Law College, Vijayawada. The participants gained good knowledge on human rights, values, obeying rules and laws and responsibilities of being a good citizen. The speaker highlighted some real-life examples to educate the students key values in our society such as fairness, dignity, equality and respect. Second year EIE students and 10 faculty members have attended this program. Mrs.Vijaya Lakshmi, Asst. Prof, Dept. of EIE was the coordinator of this event.

A One-week training on "Basics of Programmable Logic Controllers-PLC Programming"

A One-week training program on "**Basics of Programmable Logic Controllers - PLC Programming**" was organized by the Department of EIE, VRSEC during 13th to 18th June, 2022. The resource persons are Mr. G.Ashok Kumar, Manager, Emsys Technologies, Coimbatore and Dr.A Sumalatha, Asst. Prof, EIE , VRSEC. The technical sessions have covered the basics of PLC and Ladder programming. All the participants were given one to one interaction with the experimental setups. In addition to the basics of PLC participants were also exposed to some of the major applications of PLC viz Batch process control and Multi tank and Multi process systems. Teaching and Non-teaching staff from Mechanical Engineering, Electrical Engineering, Electronics and Communications Engineering have actively participated in the sessions.

Guest Lecture on Instrumentation & Control Engineer Role in Industry

The Department of EIE organized a guest lecture on "**Instrumentation & Control Engineer Role in Industry**" on 21st April, 2022. The objective of this program is to introduce the importance of Instrumentation and Control engineer in industry. Mr. T. Kamal Kumar, Manager, Instrumentation & Control Wing, BHEL, Hyderabad was the resource person for this event. He mainly addressed Conceptual designs, Responsibilities of I & C Engineer and OEM prospective. He answered to the questions posed by the students. Mr.P.Srinivas, Assoc. Professor, Dept. of EIE and Mrs. K.Prasanti, Asst. Prof, Dept. of EIE are the coordinators of this event.
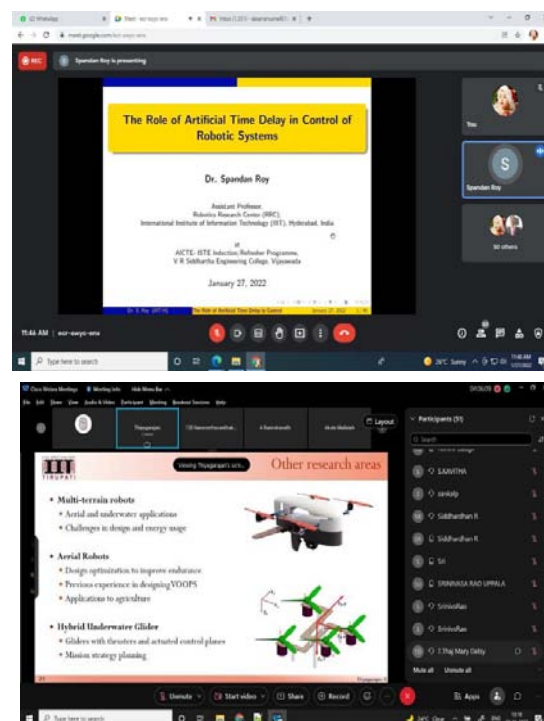
Training Program on "NI Certified LabVIEW Associate Developer" Certification

NI CERTIFIED LabVIEW ASSOCIATE DEVELOPER (CLAD) is the first level of global certification offered by National Instruments (NI). Identifying the demand for the certified people in present industrial scenario, we planned to conduct a workshop to train the faculty and students to prepare for the CLAD certification. We invited the resource person B.Phaneendra from Blauplug Innovations Pvt. Ltd., Bangalore, the training partner of National Instruments for this training. The Training was scheduled from 21st to 26th March, 2022 to provide training on advanced concepts to prepare the participants for CLAD certification. A total of twelve technical sessions were conducted to train the 30 participants in the workshop. Mr.V.N.Prudhvi Raj, Assoc. Prof, Dept. of EIE was the coordinator of this program.

Six days AICTE-ISTE Induction programme on "Technical Trends and Recent Advances in Industrial Robotics & Applications"

The Department of EIE, has organized One-Week AICTE- ISTE Sponsored Induction/Refresher Programme on "**Technical Trends and Recent Advances in Industrial Robotics & Applications**" during 24th to 30th Jan, 2022. This program is designed to provide an exposure to the fundamentals of Robotics and Artificial Intelligence through lecture and demonstration sessions that provide advanced theories in AI & Robotics, how the intelligent system can be built and worked upon, how Robots can be built using AI and Recent Developments in AI & Robotics and their needs. The speakers from various institutions like IIT's, NIT's, IIIT's and industries explained about the latest trends of Robotics in industries. Around 486 faculties are registered among the various institutions across the country India, among them 100 faculties are shortlisted to participate in the AICTE-ISTE Induction programme. The induction programme was concluded with a valedictory function conducted by Dr. G. N. Swamy and Dr.S.Srinivasulu Raju, where few participants shared their experience and feedback about the Programme.
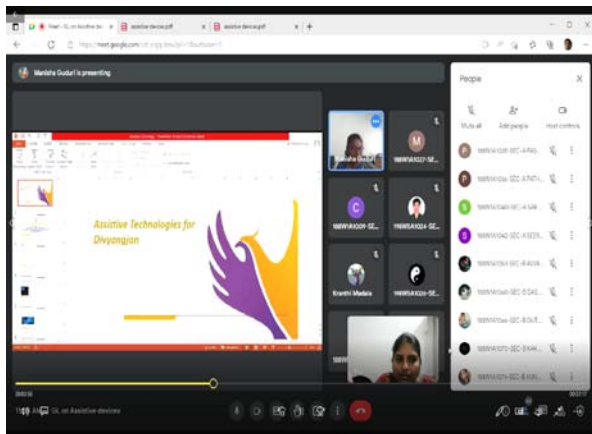
ISOI Events
INSTRUMANIA-2K22

Department of EIE organized and celebrated a techno-cultural fest **INSTRUMANIA-2K22** on 12th May 2022. On this eve, the department of EIE and Instrument Society of India (ISOI) student chapter in association with the Spandana club organized various technical events. On this occasion, head of the department Prof. G.N.Swamy addressed the gathering and shared the department vision, mission, and program's PEOs. More than 200 students have participated in various technical events. The objective of these events is to encourage the students to develop communication skills, oral skills, writing skills, and managerial skills, which could help them in shaping their careers. Technical events organized under Instrumania-2K22 are Wrangle, Latin Squares, Catechize, Crux, and the Fourth Estate.

Guest Lecture Report on Assistive Devices for Divyangjan

The ISOI student chapter and Department of EIE jointly organized a guest lecture on "**Assistive Devices for Divyangjan**" for the students of 4/4 B.Tech. EIE on 26th March 2022. The objective of this program was to impart the latest trends and research progression in the area of biomedical assistive devices for the physically handicapped to the students. Ms.Manisha Guduri, Dean - R&D, KG Reddy College of Engineering & Technology, Hyderabad was the resource person for this event. She mainly addressed the need for assistive devices and design issues in assistive device technologies.

Projects granted/applied by faculty

1. **Projects obtained:**

   - Dr CSS Anupama obtained a seed grant of Rs.96000/- for a project titled "Diagnosis of Skin Cancer using Ensemble Machine Learning Models" from VRSEC on 30th June 2022.
   - Dr CSS Anupama obtained a grant of Rs.100000/- from WEBSOCS Studio Private Limited, Hyderabad for a project titled "Development of Health Monitoring System" on 29th June 2022.

2. **Projects applied:**

   - Dr S Srinivasulu Raju and Mr. V. N. Prudhvi raj applied for a project with the title "Rotational Piezoelectric Energy Harvester for Wireless Sensor Network (WSN) in Precision Agriculture with Electronics" to SERB on 5th May 2022.
   - Dr S Srinivasulu Raju and Mr. V. N. Prudhvi raj applied for a project with the title "Design, Modelling, Implementation and Fabrication of MEMS Based Resonant Glucose Sensor" to SERB on 7th March 2022.

Patents Filed/Published by Faculty

- P.Srinivas, Dr.N.Swathi, and K.Vijaya Lakshmi published a patent titled "Method and System for Developing Portable Power Station for Charging Solar Based Electric Vehicles" with application no: 202241040632 A on 22/07/2022.

- Mr.A.V.Prabu, Dr.Md.Firose Shaik, Dr.N.Swathi, and Dr.S.Velliangiri, filed for a patent titled "A wireless portable handheld scanner device" with application no: 362265-001 on 10/04/2022.

- Dr. A. Sumalatha, S. Kalpana, Kranthi Madala, Dr.Kandru Sudha Rani, Dr. S. Sunita Ratnam, Dr. M. Vasubabu, Dr K Suresh, T. Gnana Prakash and N. Kavitha published a patent titled "Method for Providing a Multi Directional Theft Monitoring System for Tracking Vehicles and Alerting Owners in Real-Time" with application no: 202241004999 A on 04/02/2022.

MoU

- Department of EIE made MoU with FOPPLE Technologies, Vijayawada on 12th March, 2022 for a duration of three years.

Faculty Publications

International Journals:

1. P.Srinivas, Dr.P Swapna, "Enhanced Chaotic Political Optimizer based Power Management Scheme for Clustered Wireless Sensor Networks", Mathematical Statistician and Engineering Applications Journal, ISSN: 2326-9865,vol.71 Issue:3,June 2022, Pages:1096-1110.

2. Gundugonti Kishore Kumar, Mahammad Firose Shaik and Vikram Kulkarni, "Power and Delay Efficient Haar Wavelet Transform for Image Processing Application" Journal of Circuits, Systems and Computers (2022) https://doi.org/10.1142/S0218126622200018.

3. Srinivas.M, Patnaik. M.R, "Clustering with a high-performance secure routing protocol for mobile adhoc networks", Journal of Super Computing, 78(6)(2022): 8830 – 8851.

4. K Sudha Rani, A Sumalatha, M Vasu Babu, S Sunitha Ratnam, "Brain Tumour detection using Advanced Morphological Techniques", AMA, Agricultural Mechanization in Asia, Africa and Latin America, ISSN: 00845841,Volume 53, Issue 03, March, 2022. Pg. 6909-6921.

5. T.Niranjana, B.Singaravel, S.Srinivasulu Raju, "Delamination error of fibre Reinforced Polymer composite with different drill tool in drilling-A review", Materials Today: Proceedings Volume 62, Part 4, 2022, Pages 2100-2104.

6. T.Niranjana, B.Singaravel, S.Srinivasulu Raju, "Optimization of hole quality parameters using TOPSIS method in drilling of GFRP composite Author links open overlay panel", Materials Today: Proceedings Volume 62, Part 4, 2022, Pages 2109-2114.

7. Polepogu Rajesh, V Naveen Kumar, "Rhythms-Based Coherence Analysis Between Brain and Heart of Sleep Disorder Samples using MSC", International Journal of Engineering Trends and Technology, vol. 70, no. 6, pp. 287-299, 2022.https://doi.org/10.14445/22315381/IJETT-V70I6P230.

Book Chapters

1. E. Laxmi Lydia, C. S. S. Anupama, and N. Sharmil, "Optimal Boosting Label Weighting Extreme Learning Machine for Mental Disorder Prediction and Classification", Biomedical Data Analysis and Processing Using Explainable (XAI) and Responsive Artificial Intelligence (RAI), Intelligent Systems Reference Library 222, Vol.1, pp. 1-15, April 2022.

2. E. Laxmi Lydia, C. S. S. Anupama, and N. Sharmil, "Modeling of Explainable Artificial Intelligence with Correlation-Based Feature Selection Approach for Biomedical Data Analysis", Biomedical Data Analysis and Processing Using Explainable (XAI) and Responsive Artificial Intelligence (RAI), Intelligent Systems Reference Library 222, Vol.1, pp. 16-32, April 2022.

International Conferences

1. Sabarish Kajjayam, Y. Prasanth, K. Chaitanya, N. Padmavathi, and K.Umamaheswari presented a paper on "Automation of railway gate using Raspberry Pi" in 5th International Conference on Soft Computing and Signal Processing (ICSCSP-2022), organized by Malla Reddy college of Engineering and Technology during 24/06/2022 to 26/06/2022.

2. K Vijaya Lakshmi, R C Panda, M Manimozhi and Sk. Harshad, presented a paper on "Design and Implementation of Conventional and Advanced Controllers for Level Control of Coupled Tank Process", in an International Conference on Communication and Electronics Systems (ICCES 2022), organized by PPG Institute of Technology, Coimbatore, during 22/06/2022 to 24/06/2022.

3. Cheepilla Kanthi Kiran Sai, Repalle Srikar, Sanisetty Sri Yoga Bala Sai Srinivas, and M.Kranthi presented a paper on, "Speed Breaker Power Generation Mechanism", in Smart Electrical and Communication Technology -SECT-2022, organized by Sir C.R Reddy college of Engineering, during 20/05/2022 to 21/05/2022.

4. A. V. Prabu, N. Gayatri, J. Madhuri, S. Rajasoundaran, Md.Firose Shaik and V. S, presented a paper on "Smart Coal Mine Safety & Monitoring System," in 6th International Conference on Trends in Electronics and Informatics (ICOEI), organized by SCAD College of Engineering and Technology Cheranmahadevi, Tirunelveli during 28/04/2022 to 30/04/2022.

5. R. Sowjanya, T. Lakshmi Prasanna, P. Ashwak Khan, P.Ranga Rao, and C.S.S.Anupama, presented a paper on "Detection of Leaf Diseases in Pulses, Fruits and Vegetables", in 8th International Conference on Advanced Computing and Communication Systems (ICACCS-2022), organized by Sri Eshwar College of Engineering, Coimbatore during 25/03/2022 to 26/03/2022.

6. Md. Firose Shaik, R. Mounika, A. D. Prasad, I. R. Raja, B. P. Sekhar and D. Sampath, presented a paper on "Intelligent Secure Smart Crop Protection from Wild Animals," in 8th International Conference on Advanced Computing and Communication Systems (ICACCS), organized by Sri Eshwar College of Engineering, Coimbatore during 25/03/2022 to 26/03/2022.

7. P. Nirmal Kumar, K. Sai Kumar, P. Durga Prasad, B. Umamaheswara rao and K. Prasanti presented a paper on "Speed Control of Industrial Motors Efficiently using VFD", in an International Conference on Electronics and Renewable Systems (ICEARS) organized by St. Mother Theresa Engineering College, Tamil Nādu during 16/03/2022 to 18/03/2022.

8. A.Sumalatha, A Bhujanga Rao and K Sudha Rani presented a paper on "An Experimental study of Boiler Drum Level Controller performance through System Identification Models" in First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), organized by K. Rama Krishnan College of Engineering, Tiruchirappalli, Tamil Nadu during16/02/2022 to 18/02/2022.

9. Md.Masood, and S.Kalapna presented a paper on "Design and development of automatic marine trash collector for trash collecting applications" in ICIMBT 2022 organized by SRM University during 17/02/2022 to 19/02/2022.

10. S Mohith Sai Teja, S Preetham, Ch Jayalakshmi and K Madhu babu presented a paper on "Smart Duster for Schools" in ICIMBT 2022 organized by SRM University during 17/02/2022 to 19/02/2022.

11. P. Sushma Chowdary etc. al., presented a paper on "Advanced Monitoring of Cold Storage System based on Wireless Sensor Networks" in an International Conference on Advances in Data Science Challenges with Big Data Analysis (ICADSC2022) organized by SRM Institute of Science and Technology during 16/02/2022 to 17/02/2022.

12. K. Upendra Sai, K. Bhavya, Md. Zuber, B.Sai Sandeep, and N.Swathi presented a paper on "IOT based Smart Framework for Heart rate Monitoring and Heart Attack Detection", in an International Conference on Advances in Data Science Challenges with Big Data Analysis (ICADSC2022) organized by SRM Institute of Science and Technology, Chennai during 16/02/2022 to 17/02/2022.

13. D. Lokeswara Rao, G Omkar, G Swathi, D Chandu, and N Swathi presented a paper on "Implementation of A Low-Cost Portable Automatic Ventilator", in an International Conference on Advances in Data Science Challenges with Big Data Analysis (ICADSC2022) organized by SRM Institute of Science and Technology, Chennai during 16/02/2022 to 17/02/2022.

14. M. Kranthi and P. Sushma Chowdary presented a paper on " Advanced Monitoring of Cold Storage System based on Wireless Sensor Network ", in an International Conference on Advances in Data Science Challenges with Big Data Analysis (ICADSC2022), SRM Institute of Science and Technology, Chennai during 16/02/2022 to 17/02/2022.

Papers Reviewed by Faculty

1. P. Srinivas, Associate Professor, EIE reviewed a paper titled "Design of 1-D QCA based Median Filter with Energy Dissipation" for the SCIE and SCOPUS indexed journal "Journal of Supercomputing (SUPE)" on 9th April 2022.

2. K. Vijaya Lakshmi, Assistant Professor, EIE reviewed a paper titled "Synthesis of two-degrees-of-freedom wireless networked digital servo control system with dynamic-state prediction based on gated recurrent unit-based round-trip time predictor" for IEEE Access on12[th] March, 2022.

Faculty Participation in FDP's

1. P. Durga Prasada Rao attended one week FDP on "Emerging and Innovative Approach in Management, IT and Communication in Teaching and Research" organised by IIMT College of Management, Noida from 09/06/2022 to 15/06/2022.

2. K Niharika attended one week FDP on "Trends in Embedded Systems And IOT" organised by Seshadri Rao Gudlavalleru Engineering College from 20/06/2022 to 25/06/2022.

3. M.Kranthi and S. Kalpana attended five days FDP on "Design Thinking" organized by IQAC cell, VRSEC from 04/04/2022 to 08/04/2022.

4. Dr. CSS Anupama attended one week FDP on "Technology-driven approaches for Neuro developmental and Neuro degenerative Disorders" organised by National Institute of Technology, Warangal from 26/03/2022 to 30/03/2022.

5. G. Ramya Sri and K Niharika attended 3 days FDP on "Scientific Educational Practices" organised by VRSEC from 17/03/2022 to 19/03/2022.

6. P Rajesh attended 5 days FDP on "Applications of Deep Learning Techniques to 5G Wireless Communication Technologies" organised by VEL TECH University, Tamil Nādu from 08/02/2022 to 12/02/2022.

7. G Ramya Sri attended one week FDP on "Advancements on antenna technologies of future applications" organised by VRSEC from 14/02/2022 to 19/02/2022.

8. Ch Jayalakshmi attended one week FDP on "Artificial Intelligence in Contemporary Biomedical & Healthcare Applications: Fundamentals & Hands on MATLAB" organised by Gautam Buddha University, Greater Noida,Uttar Pradesh from 21/02/2022 to 25/02/2022.

9. Dr S Srinivasulu Raju attended 5 days FDP on "Artificial Intelligence & Machine Learning" organised by Department of Computer Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar, Haryana from 07/02/2022 to 12/02/2022.

10. Dr. N Swathi, P Sushma Chowdary, K Niharika, G Ramya Sri and K Prasanti attended seven days FDP on "Technical Trends and Recent Advances in Industrial Robotics and Applications" organised by Dept. of EIE, VRSEC from 24/01/2022 to 30/01/2022.

11. Dr. S Srinivasulu Raju attended 5 days FDP on "Advancements in Aerospace Materials: Manufacturing, testing and characterisation" organised by Department of Aeronautical Engineering, Hindusthan College of Engineering and Technology, Coimbatore from 24/01/2022 to 28/01/2022.

12. V Naga Prudhvi Raj attended one week FDP on "Machine Learning Application in Signal Processing and Communication Engineering" organised by IIT Guwahati, Assam from 03/01/2022 to 08/01/2022.

Workshops Attended by Faculty

1. K. Prasanti attended 2 days' Workshop on "Outcome Based Education & Impact on HEI" organised by VRSEC from 22/06/2022 to 23/06/2022.

2. Dr.N Swathi and K Niharika attended 2 days' Workshop on "Quality of Question paper setting and Evaluation Techniques" organised by IQAC and Dept. of CSE, VRSEC from 20/06/2022 to 21/06/2022.

3. S. Kalpana attended 6 days' Workshop on "UHV Refresher Part II" organised by AICTE, Delhi from 23/05/2022 to 28/05/2022.

4. Dr. S Srinivasulu Raju attended 2 days' Workshop on "Light harvesting materials for sustainable energy" organised by Department of Chemistry, National Institute of Technology, Warangal from 03/03/2022 to 04/03/2022.

5. K. Vijaya Lakshmi attended a one-day workshop on "Sustainability" organized by IGBC, VRSEC student chapter on 07/03/2022.

Online Short-Term Training Courses Attended By Faculty

1. P. Durga Prasada Rao attended one-week STTP on "Recent Trends in Artificial Intelligence and Machine Learning" organised by Ramrao Adik Institute of Technology, Navi Mumbai from 20/06/2022 to 25/06/2022.

2. M.Kranthi, K.Prasanti, K Vijaya Lakshmi, K.Niharika, P Sushma Chowdary, Ch. Jayalakshmi, G Ramya Sri and D Anusha attended one-week STTP on "Basics of Programmable Logic Controller-PLC Programming" organized by Dept. of EIE, VRSEC during 13/06/2022 to 18/06/2022.

Other Training Courses attended by Faculty

G. Ramya Sri and D Anusha attended 5days course on "Design and Implementation of Smart Internet of Things (IOT) Systems" organised by National Institute of Technology Warangal from 23/03/2022 to 27/03/2022.

NPTEL Courses Completed by Faculty

Dr. N Swathi completed an 8 weeks course on "Creative problem solving, innovation and meaningful R & D" of National Initiative for Technical teachers Training (NITTT-Swayam platform) in February 2022.

Seminars/Webinars/Guest Lectures Attended by Faculty

1. K. Vijaya Lakshmi and Dr.N.Swathi attended webinar on "Joint action plan between IITTNIF-VRS-Areas of Technology collaborations and scholarships etc.-Positioning and Precision technologies" organized by IIC, VRSEC and Dept. of IT on 27/06/2022.

2. P. Durga Prasada Rao attended guest lecture on "Rights, Values, Duties and Responsibilities of a Citizen" organised by VRSEC on 30/06/2022.

3. K Prasanti attended guest lecture on "Springer Nature Science and Technology Symposium" organised by Communications Springer Nature on 21/06/2022.

4. Dr. CSS Anupama attended a seminar on "Cloud Computing" organised by SIMATS, Chennai on 31/05/2022.

5. Dr. CSS Anupama attended a seminar on "Adversarial in Machine Learning" organised by SIMATS, Chennai on 30/05/2022.

6. K Vijaya Lakshmi and Dr.N.Swathi attended a demonstrative lecture on "Industry 4.0"organized by VRSEC on 30/03/2022.

7. K Vijaya Lakshmi, Dr.N.Swathi and M.Kranthi attended a guest lecture on "Assistive Devices for Divyangjan" organized by ISOI and Dept. of EIE on 26/03/2022.

8. K Vijaya Lakshmi attended a guest lecture on "Role of men and women in societal and country development" organized by Civil Engg. Dept of VRSEC on 07/03/2022.

9. K Vijaya Lakshmi and Dr.N.Swathi attended a guest lecture on "Nanotechnology: Opportunities and Challenges" organized by Dept. of ECE, VRSEC on 23/02/2022.

10. K Vijaya Lakshmi, Dr.A Sumalatha and P Sushma Chowdary attended guest lecture on "Nuclear Power Environmentally Benign" organised by VRSEC on 08/01/2022.

11. K Niharika attended guest lecture on "Design thinking and innovation design" organised by VRSEC on 02/01/2022.

Students Achievements

1. M.Parthive and SVS.Dinesh registered a start-up named "Verlito Waste Management" under Ministry of corporate affairs with an ID No. U37100AP2022PTC121533 on 4th May, 2022.

2. SVS.Dinesh and M. Parthive of 3/4 EIE received 2nd prize in the Hackathon 2022 organized by PVPSIT during March 2022.

3. SVS.Dinesh and M. Parthive of 3/4 EIE received 2nd prize in the IDEATHON organized by KLU during March 2022.

4. SVS.Dinesh and M. Parthive of 3/4 EIE received 1st prize in the Hackathon organized by SRK College during February 2022.

5. SVS.Dinesh and M. Parthive of 3/4 EIE received 1st prize in the Inter-Departmental Idea Generation Contest organized by dept. of CSE, VRSEC in technical collaboration with Indian servers and ICC held on 9th February, 2022.

6. B. Charita Sri, Ch. Hemanth and S. Nagendra of 3/4 EIE received 3rd prize in the Inter-Departmental Idea Generation Contest organized by dept. of CSE, VRSEC in technical collaboration with Indian servers and ICC held on 9th February, 2022.

Major Equipment Procured

S.No.	Name of the equipment	Laboratory in which it is used	Amount spent (Rs.)
1.	GW-Instek AFG-2125 25MHz Arbitrary Function Generator, GW-Instek GDM-8342 Digital Multimeter Benchtop, GW-Instek GDM-360 Handheld multimeters, GW-Instek GPP-1326 Programmable DC Power Supply, GW-Instek GPS-3030D DC Power Supply, GW-Instek GR-1300A RF and Communication System Trainer	Advanced Instrumentation lab and NI Academy	4,59,964
2.	Waveform Generator, Digital storage Oscilloscope, Spectrum Analyzer, Digital Multimeter, Programmable Linear DC power supply, Programmable DC Electric load	Advanced Instrumentation lab and NI Academy	8,24,407
3.	IoT (Industry 4.0) based Monitoring and control for existing Multi tank and Multi process system	Industrial Automation Lab	3,50,460
4.	Level Process Station	Process Control Lab	2,84,403
5.	Pressure Process Station	Process Control Lab	2,70,279
6.	Test and Measurement Hardware for Embedded system design by GwInstek	Microcontrollers and Embedded Systems Lab	3,09,868
7.	Basic Control system trainer kit for study of time and frequency responses of I and II order systems for standard inputs	Control Systems Lab	1,46,910
8.	DC position servo control system trainer kits	Control Systems Lab	93,928
9.	Digital storage oscilloscopes (100MHZ, 2 channels)	Control Systems Lab	59,708
10.	3 MHz Function Generator	Linear ICs Lab	74,340
11.	3 MHz Function Generator	Electronic Devices & Circuits Lab	74,340

Placements

A total of **49** placement offers are obtained by 4/4 B.Tech. students in software and hardware companies like **JSW, INFOSYS, WIPRO, TECH MAHENDRA, ITC INFOTECH, ZF COMPANY, REACH MEDICAL SYSTEMS PVT. LTD., DHANALAKSHMI PACKAGING, BHARATHI INDUSTRIAL CONTROL, PARRY SUGARS REFINERY INDIA PVT. LTD.** etc., during Jan – June 2022.

S.NO	NAME	ROLL NUMBER	COMPANY	PAY PACKAGE
1	SNEHAJA ADDAGARLA	188W1A1001	JSW	8.5 LPA
2	NAVYA SRUJANA CHERUKUNEEDUI	188W1A1058	INFOSYS EDGEVERVE	6.5 LPA
3	SNEHAJA ADDAGARLA	188W1A1001	ZF COMPANY	6 LPA
4	SIDDHARTHA VARMA PAKALAPATI	188W1A1082	ZF COMPANY	6 LPA
5	SRIKAR REPALLE	188W1A1087	ZF COMPANY	6 LPA
6	FATHEMA TASNEEM SHAIK	188W1A1091	ZF COMPANY	6 LPA
7	DURGA PRASAD ADAVIKOLANU	198W5A1002	ADANI GROUP	6 LPA
8	KARTHIK MURTHY KOTHA	188W1A1073	SILICONCH SYSTEMS	5 LPA
9	KUNAPAREDDYSAROJA	188W1A1026	ITC INFOTECH	4.25
10	AJESH BABU DONDAPATI	198W5A1005	ITC INFOTECH	4.25
11	DURGA VENKATESH MOKAMATAM	198W5A1009	ITC INFOTECH	4.25
12	PALLAPOTHU VENKATA SUJANA	188W1A1033	MIND TREE	4 LPA
13	SANDEEP PALAKODETI	198W5A1023	MIND TREE	4 LPA
14	KAKUMANUDLVDAMRUTHAVYSHNAVI	188W1A1070	CONTELLIGENT	4 LPA
15	SNEHAJA ADDAGARLA	188W1A1001	INFOSYS	3.6 LPA
16	B N VENKATA SAI SRIRAM DHANUSH	188W1A1005	INFOSYS	3.6 LPA
17	KODALI BHAVYA ANNAPURNA	188W1A1020	INFOSYS	3.6 LPA
18	SRIKAR REPALLE	188W1A1087	INFOSYS	3.6 LPA
19	FATHEMA TASNEEM SHAIK	188W1A1091	INFOSYS	3.6 LPA
20	DURGA VENKATESH MOKAMATAM	198W5A1009	INFOSYS	3.6 LPA
21	SK AFREED	188W1A1043	WIPRO	3.65 LPA
22	K RAMA MANI VENKATA GANESH	198W5A1008	WIPRO	3. 65 LPA
23	REDDY PRANEETH	198W5A1012	WIPRO	3. 65 LPA
24	ANDEKOTA ASHOK	198W5A1004	DECCAN CHEMICALS	3.6 LPA
25	SATTI MAHESH REDDY	198W5A1013	DECCHAN CHEMICALS	3.6 LPA
26	DONEPUDI SRAVAN SAI KUMAR	198W5A1017	DECCHAN CHEMICALS	3.6 LPA
27	SIDDHARTHA VARMA PAKALAPATI	188W1A1082	QUEST GLOBAL	3.25 LPA
28	DURGA VENKATESH MOKAMATAM	198W5A1009	REACH MEDICAL SYSTEMS PVT. LTD.	3 LPA

S.NO	NAME	ROLL NUMBER	COMPANY	PAY PACKAGE
29	RANGARAO POKALA	198W5A1011	REACH MEDICAL SYSTEMS PVT. LTD.	3 LPA
30	SHAIK MEHAMOOD	188W1A1092	TECH MAHENDRA	3LPA
31	TEJASWI THOTAKURA	188W1A1094	TECH MAHENDRA	3LPA
32	NAGA SAI SURYA VARMA SRI KAKARLAPUDI	198W5A1014	REACH MEDICAL SYSTEMS PVT. LTD.	3 LPA
33	YASWANTH LAKSHMI SAI NAGANDLA	198W5A1021	REACH MEDICAL SYSTEMS PVT. LTD.	3 LPA
34	BHADRAGIRI NAGA VENKATA SAI SARIRAM DHANUSH	188W1A1005	DHANALAKSHMI PACKAGING	2.25LPA
35	KANNASANI SAIKUMAR	188W1A1018	DHANALAKSHMI PACKAGING	2.25LPA
36	HARSHA VARDHAN	188W1A1021	DHANALAKSHMI PACKAGING	2.25LPA
37	SHAIK MEHAMOOD	188W1A1092	DHANALAKSHMI PACKAGING	2.25LPA
38	AKULA PAVAN KUMAR	198W5A1003	DHANALAKSHMI PACKAGING	2.25LPA
39	AJESH BABU DONDAPATI	198W5A1005	DHANALAKSHMI PACKAGING	2.25LPA
40	KADIM RAMA MANI VENKATA GANESH	198W5A1008	DHANALAKSHMI PACKAGING	2.25LPA
41	SAI PRAVEEN CHITRADA	198W5A1016	DHANALAKSHMI PACKAGING	2.25LPA
42	DONEPUDI SRAVAN SAI KUMAR	198W5A1017	DHANALAKSHMI PACKAGING	2.25LPA
43	KOSETTI SATYA PRAKASH	198W5A1020	DHANALAKSHMI PACKAGING	2.25LPA
44	ABDUL BASITH AFRIDI	198W5A1001	PARRY SUGARS REFINERY INDIA PVT. LTD.	2.25LPA
45	SAI PRAVEEN CHITRADA	198W5A1017	PARRY SUGARS REFINERY INDIA PVT. LTD.	2.25LPA
46	KOSETTI SATYA PRAKASH	198W5A1020	PARRY SUGARS REFINERY INDIA PVT. LTD.	2.25LPA
47	GUMMA OMKAR	188W1A1065	BHARATHI INDUSTRIAL CONTROL	2.25LPA
48	GORREPATI PRABHATH	188W1A1013	BHARATHI INDUSTRIAL CONTROL	2.25LPA
49	NAGANDLA YESWANTH LAKSHMI SAI	198W5A1021	BHARATHI INDUSTRIAL CONTROL	2.25LPA