



VNR Vignana Jyothi Institute of Engineering & Technology

Nizampet (S.O.), Pragathi Nagar, Bachupally, Hyderabad

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B TECH IN ELECTRONICS AND INSTRUMENTATION ENGINEERING



II Year Students Industrial visit to Coco-Cola Beverages Ltd



III year students Industrial visit to Hyderabad Metro Rail



Students listening to Guest Lecture on Product and Test Development in VLSI



Students in Design Robotics Certification Course



Student receiving DVS Raju Endowment gold medal at ISOI meet



Student receiving DVS Raju Endowment gold medal at ISOI meet



Poster Presentation on Redesign your world



Students from different colleges participated in VOLTAIC

About the Department of Electronics & Instrumentation Engineering

The department has been established with B.Tech in Electronics and Instrumentation Engineering (EIE) during the academic year 1999-2000 with an intake of 60 and has been enhanced to 120 during the academic year 2011-2012. Till now 25 batches of students have successfully graduated from the branch.

Instrumentation engineering is a multi-disciplinary branch focusing on the measurement, control and automation in the fields viz. the Electrical, Electronics, Manufacturing, Process Control, Chemical, Pharmaceutical, Cosmetics, Food Processing, Bio-Medical, Power Generation, etc. Application of modern instrumentation techniques greatly enhances the Productivity, Quality, Reliability of the Products, with improved Stability, Safety and Optimization of Resources. All the major R&D organizations like DRDO, ISRO, BARC, NRSC etc require the services of talented young instrumentation engineers for all their R&D activities involving highly sophisticated instrumentation systems, for all their R&D activities involving highly sophisticated instrumentation systems.

VISION

To be a Resource Centre of **Academic Excellence** for imparting **Quality Technical Education**, meeting the need of students at National and International levels and imbuing **Strong Ethical Values**, to improve the **Standards of the Society**

MISSION

- To impart **Quality Education** in the domain of Electronics and Instrumentation Engineering through effective **Learner-centric Process**.
- To provide **Industry-Specific** best-of-the-breed Laboratory Facilities beyond Curriculum, and promote diverse **Collaborative Research** for meeting the changing **Industrial and Societal Needs**.

Faculty in the Department

S.No	Employee Name	Designation	Specialization
1.	Dr.R. Manjula Sri	Professor & Head	Biomedical Instrumentation
2.	Dr M. Sreedhar	Professor	Instrument Technology
3.	Dr K.Vidya Sagar	Professor	Instrument Technology
4.	Dr. S. Pranavanand	Assoc.Professor	Electronics and Control
5.	Dr.K. Sudha Rani	Assoc.Professor	Industrial Process Instrumentation
6.	Dr. M. Harikrishna	Assoc.Professor	Instrumentation and Control
7.	Mrs. Anitha Kulkarni	Assoc.Professor	Instrumentation and Control
8.	Dr. V. Nageshwar	Assoc.Professor	Electronics and Instrumentation
9.	Dr. C. Kiran	Assoc.Professor	Applied Physics
10.	Mrs. D.V. Shobana Priscilla	Sr.Asst.Professor	Medical Electronics
11.	Mr. C. Venkata Rambabu	Sr.Asst.Professor	Embedded Systems
12.	Dr. K. Vijay Chandra	Asst.Professor	Digital Systems and Computer Electronics
13.	Mr. A. Adithya Kashyap	Asst.Professor	Industrial Process Instrumentation
14.	Mr. S. Nagarjuna Chary	Asst.Professor	Process Control and Instrumentation
15.	Mrs. S. Vandana	Asst.Professor	Embedded Systems
16.	Mr. G. Vamsi Krishna	Asst.Professor	Instrumentation and Control
17.	Mrs. S.S.S. Bharati	Asst.Professor	Electronics and Instrumentation
18.	Dr. N. Akshay	Asst.Professor	VLSI Systems
19.	Mr. P.V. Gopi Kumar	Asst.Professor	Digital Systems and Computer Electronics
20.	Mrs.J. Jyothirmai	Asst.Professor	Embedded Systems
21.	Mrs.D. Srilaxmi	Asst.Professor	Electronics and Control
22.	Mrs.P. Sampurna Lakshmi	Asst.Professor	Embedded Systems
23.	Ms.D. Swetha	Asst.Professor	Electronics and Instrumentation
24.	Mrs.S. Bhargav	Asst.Professor	Electronics and Instrumentation
25.	Dr.B.Raja Shekar Reddy	Asst.Professor	Process Control & Instrumentation
26.	Dr.S.Senthil Kumar	Asst.Professor	Electronics and Instrumentation
27.	Mr.Ch.Venkanna	Asst.Professor	Electronic Instrumentation
28.	Dr.M.N.Reddy	Adjunct Professor	Fibre Optics & Laser Instrumentation

13 PhDs , 15 pursuing PhDs

Faculty Publications in Journals & Conferences

Year	Journals	Conferences	Total
2017-18	08	04	12
2018-19	21	5	26
2019-20	21	8	29
2020-21	18	16	34
2021-22	21	14	35
2022-23	25	8	33
2023-24	23	23	46

Citations :1085

Highest Citations of Single paper : 108

List of R&D Projects Carried Out by The Department, and Research/any Other Grants Sanctioned To The Dept.

S.No.	Title of the R&D Project or Research Grant	Sanctioning Agency, and Date of Sanction	Names of the Principal and Co-Investigators	Sanctioned Amount Rs. In lakhs	Status of the Project (Completed/ On-going)
R& D Projects Sanctioned					
1	Identification of Actuator Dynamics and development of Electronic Circuits for Smart Materials actuated insect scale legged Robots	DRDO(CARS), Nov 2022	Dr. B.Rajasekhara Reddy Dr. S.Pranavanand	9.735	Completed
2	Real-time implementation advanced control algorithm(s) on Laboratory scale plant	TEQIP-III 2019	Dr.B. Rajasekhara Reddy.	2.85	Completed
3	RotiBOT	MSME, Govt. of India, Dec 2015	Dr. S.Pranavanand	7.35	Completed
4	Weapon Locking System-	ARDE, July 2014	Dr. S.Pranavanand	9.9	Completed
5	Sensor Measurement Unit	X_Design Ventures Pvt.Ltd. & VNRVJIET Hyderabad, Mar 2014	Dr. R.Manjula Sri	6.29	Completed
6	Implementation of Biomedical Image Processing on Embedded Hardware	UGC, Govt. of India, March 2014	Dr. R.Manjula Sri	3.00	Completed
7	Design and Implementation of Algorithm for Real-Time Patient Monitoring in Ambulance While Transit	UGC , Govt. of India, March 2014	Mr. Naregalkar Akshay Rangnath	4.45	Completed

Other Grants					
1	Design and Structural Evolution of Advanced Functional Materials Suitable for Engineering Applications	AICTE-STTP, September 2020	Dr.C.Kiran	1.92	Completed
2	Applications of Laser Instrumentation (Seminar Grant)	AICTE 2017	Dr. R. Manjula Sri	1.00	Completed

Patents Filed/Published/Granted:

S.NO	Name of the Faculty	Title of the Patent work	Reference number	Date of Filed/ Published / Granted	Status of the Patent
1)	1.Dr. S. Pranavanand 2.Mr. Haroon Rasheed	An Apparatus For Making A flat edible food	201641028787	18/04/2024	Granted
2)	1. Ms. Sampurna Lakshmi Paritala 2. Dr. Manjula Sri Rayudu 3. Dr. Srinivasa Rao Talluri	Wi-Fi-Enabled Anti-Theft System with Biometric Authentication In Fuel filling Stations	202341032074 A	23/06/2023	Published
3)	1. Mr. S. Nagarjuna Chary 2. Dr. K. Vijay Chandra	IoT-Based RO Water Purifier with Auto TDS Control	202341032344 A	23/06/2023	Published
4)	1. Dr. S. Pranavanand 2. Dr. B. Rajasekhara Reddy	Modular Enclosure for Chemical Processing	342237-001	10/02/2023	Granted
5)	1. Dr.D.N.Rao 2. Dr.R.Manjula Sri 3. Ms.Samatha 4. Ms.Manju Sahithi 5. Dr.S.Pranavanand	Drill Cabin for Safe Drive	202341003709	03/02/2023	Published
6)	1. Dr. S. Pranavanand 2. Mr. A. Nikhil 3. Dr. C.D. Naidu 4. Dr. R. Manjula Sri	Automatic Airlock Prevention System and Method Thereof	201841022148	30/01/2023	Granted
7)	1. Dr.A.Ramesh 2. Dr.S.Pranavanand 3. Dr.B.Rajasekhara Reddy	A Non-Invasive Device for Modulus Measurement Of Pavement Layers	353540-001	20/01/2023	Granted
8)	1. Vallurupalli Nageswara Rao Vignana Jyothi Institute Of Engineering And Technology	Cooking Appliance	376991-001	08/01/2023	Granted

	2. Dr. S. Pranavanand 3. Mr. Haroon Rasheed Dr. A. Raghu Ram 4. Dr. C. D. Naidu 5. Dr. B. Rajasekara Reddy				
9)	1. Vallurupalli Nageswara Rao Vignana Jyothi Institute Of Engineering 2. Dr.S.Pranavanand 3. Dr.A.Ramesh 4. Dr.C.D.Naidu 5. Dr.B.Rajasekhara Reddy 6. Mr.Eshwar Chandra Pothineni 7. Ms. Manaswini Gogineni	Automatic Water Dispenser	369341-001	18/08/2022	Published
10)	1. Dr. K. Sudha Rani 2. Dr. R. Manjula Sri 3. Mr. K. Vijay Chandra 4. Mr. Naregalkar Akshay	Motorized Ankle Foot Driven Customized Prosthetic Leg with Exoskeleton	202141016519A	08/04/2021	Published

Social Impact Projects:

- **Controlling A Human-Wheel Chair Interface System using Electrooculography**
- **The Roti Bot**
- **Patient Assistance & Lift monitoring (PALM)**
- **Solar-Powered Auto Irrigation System**
- **Smart Trash Bin**
- **Arsenic Free Rice Cooker and Fertilizer Free Vegetable Cleanser**
- **Real-Time Monitoring of Hydroponics Using IoT**
- **Optically operated User-assistive Robot for Patients of ALS (OUR PALS)**
- **Robostick to assist Visually Impaired People.**
- **Touchless Hand Sanitizer Dispenser System - SAN MASTER**
- **Spherical Robot**
- **Smart Refrigeration Management System Using IoT**
- **Comparison Study of Mushroom Classification Using Machine Learning and Deep Learning Techniques**
- **Synthesis and Characterization of Nano-silica and it's Effect on the Growth of Peanuts**

Details of Certification Courses organized during 2017-24

S. No	Department	Name of the course	No.of Registered Students	No.of students Completed	Semester	Duration in hours
1	EIE (2017-18)	Design Thinking	15	15	II	40
2		IoT	70	70	II	40
3		Python	68	68	II	40
1	EIE (2018-19)	IoT	62	62	I	40
1	EIE (2019-20)	Robotics	70	70	II	40
2		Python	64	64	II	40
1	EIE (2020-21)	Robotics	128	128	II	40
2		CLAD	134	134	II	40
1	EIE (2021-22)	Edyst Training-Python Programming	133	133	II	40
2		Front End Technologies	58	58	III	40
3		Edyst Training-Data Structures and Algorithms	33	33	III	40
1	EIE (2022-23)	Verilog Programming-VLSI	128	128	I & II	40
2		Problem Solving and Advanced Algorithms	128	128	I & II	40
1	EIE (2023-24)	Problem solving and advanced algorithms	64	64	I	70
		Web Technologies	141	141	I	70
		Verilog Programming-VLSI	50	50	II	70
		Cyber Security	66	72	II	70

PROFESSIONAL SOCIETY CHAPTERS & THEIR ACTIVITIES

Instruments Society of India (ISOI)

The Society of Instrumentation Professionals was established in the year 1970, with headquarters at the Indian Institute of Science, Bangalore. Today it has six chapters in Delhi, Chennai, Hyderabad, Dehradun, Pune and Cochin. It strives to act as a link between academic institutions and the instrumentation industry, by organizing several programs. It also conducts programs for students and working professionals in the form of short-term courses, symposia, and topical reviews. The objective of the society is to provide a forum for pooling knowledge and experience of individual participants from various professional universities.

ISOI Student Chapter of VNRVJIET was established in the year 2003, 460 student members and 18 faculty members are life members.

ISOI Student chapter VNR VJIET

Faculty Coordinator : Mr. V. Nageshwar, Assoc. Prof., EIE Dept.

Faculty Incharge : Ms.S.S.S.Bharathi, Asst. Prof., EIE Dept.

Regular Events conducted by ISOI

- Quiz Competitions
- Events to motivate fresher's
- Workshops
- Technical paper presentations
- Guest Lectures
- Project Exhibitions
- Seminars
- CONVERGENCE a national level technical symposium
- Membership Drives
- Filling nominations for various national/state level awards

ISOI Student Chapter Activities

2018-19

1. Participated in Republic day Parade "SALUTE" on January 26th 2019
2. Orientation Day session for All First Years.
3. Conducted a Guest Lecture on "Cardiovascular Physiology and Instrumentation used in the assessment of Health and Electrophysiology of Heart" by Prof. Mary C. Vagula & Dr. Sudarshan Nelatury, Professor, Gannon University, for III EIE students on 23rd July 2018.
5. Conducted Guest Lecture on "Solar Energy and Its Imporatnce" for II EIE Students by Mr.Vangalapalli Sandeep, Founder and CEO of Arcedo Systems on 15th September 2018.
6. Conducted Guest Lecture on "Instrumentation in Oil & Gas Industries" for III EIE Students by Mr. Yogesh Kumar Bhatnagar, Senior Control & Instrumentation Engineer, at WorleyParsons India Ltd, Singapore on 29th September 2018.
7. Conducted Guest Lecture on "Introduction to IoT and its block chain application" for IV EIE Students by Dr.Manish Jain, Corporate trainer, IFDE Info Tech on 26th December 2018.
8. Conducted Guest Lecture on "Biomedical Signal Processing" for IV EIE Students by Dr.C.B.Rama Rao, Professor, Dept.of.ECE, NIT Warangal on 24th January 2019.

2019-20

1. Participated in Republic Day Parade "SALUTE" on January 26th, 2020.
2. Orientation Programme for all the 2019 Batch Students about ISOI Chapter and their Activities.
3. Conducted Workshop on AR and VR, Scavenger Hunt Game over in Convergence 2k19.
4. Conducted Guest Lecture on "Virtual Instrumentation" for IV EIE Students by Mr. Ajit Choudhary, Senior Engineer Vision Development, from Optomech Engineers Pvt. Ltd., Hyderabad on 12th July 2019.
5. Conducted Guest Lecture on "Instrumentation Setup for Data Acquisition during Missile Launch" for II EIE Students by Mr. M.Prashanth, Engineer, Advanced System Laboratory, Directorate of Strategic Systems and Instrumentation, DRDO, Hyderabad on 20h July 2019.
6. Conducted Guest Lecture on "CPU Benchmarking" for III EIE Students by Mr. K Rama Krishna Reddy,SMTS Design Engineer, AMD India Pvt Ltd, Bangalore on 31st August 2019.
7. Conducted Guest Lecture on "Robotic Process Automation" for IV EIE Students by Mr. Manjunath Chandrasekhar, Program Manager, Blue prism on 20th December 2019

8. Conducted a Webinar on "Introduction to graphical Programming – LabVIEW" for Faculty, Students and Industry Experts on 25/05/2020 by Dr.S.Pranavanand, Associate Professor,EIE, VNRVJIET.
9. Conducted a Webinar on "Robotics and Automation in Industrialized Building System" for Faculty, Students on 27/05/2020 by Dr.S.Sentil Kumar , Asst. Professor,EIE, VNRVJIET.
10. Conducted a Webinar on "Introduction to Design Thinking" for Faculty, Students and Industry Experts on 29/05/2020 by Dr.C.Kiran Associate Professor,EIE, VNRVJIET.
11. Conducted a Webinar on "Teaching and Understanding of Control Systems using Open Source Software" for Faculty, Students on 13/06/2020 by Dr.B.Rajashekara Reddy, Asst. Professor,EIE, VNRVJIET.
12. Conducted a Webinar on "Factory Automation Using Siemens TIA Portal" for Faculty, Students on 19/06/2020 by Mr.S.Nagarjuna Chary, Asst. Professor,EIE, VNRVJIET.
13. Conducted a Webinar on "Introduction to Patent Writing and Associated Protocol" for Faculty, Students and Industry Experts on 26/06/2020 by Dr.S.Pranavanand, Associate Professor, EIE, VNRVJIET.

2020-21

1. Conducted a Webinar on "Digital Transformation by 5G and IoT" for Faculty, Students, and Industry Experts on 14/07/2020 by Mrs.Anitha Kulkarni Associate Professor, EIE, VNRVJIET.
2. Conducted a Webinar on "Instrumentation in Process Industries" for Faculty, Students, and Industry Experts on 29/07/2020 by Dr. K. VidyaSagar, Professor, EIE, VNRVJIET.
3. Conducted a Webinar on "Image Processing Applications" for Faculty, Students, and Industry Experts on 13/08/2020 by Dr. K. Sudha Rani, Associate Professor, EIE, VNRVJIET.
4. Conducted a Webinar on "Teaching with TEAMS" for Faculty, Students, and Industry Experts on 29/08/2020 by Mr. M. Harikrishna, Associate Professor, EIE, VNRVJIET.
5. Conducted a Webinar on "Bridging Physiology and Biomedical Instrumentation" for Faculty, Students, and Industry Experts on 15/09/2020 by Mrs. D.V.Shobhana Priscilla Sr. Assistant Professor, EIE, VNRVJIET.
6. Conducted a Webinar on "Recent Trends in Signal Processing" for Faculty, Students, and Industry Experts on 30/09/2020 by Mr. C.V. Rambabu, Sr. Assistant Professor, EIE, VNRVJIET.
7. Conducted a Webinar on "MIMO System Controller Design" for Faculty, Students and Industry Experts on 16/10/2020 by Mr.G.Vamshi Krishna Assistant Professor, EIE, VNRVJIET.
8. Conducted a Webinar on "Optrons and their Applications" for Faculty, Students and Industry Experts on 30/10/2020 by Dr. M.Sreedhar, Professor, EIE, VNRVJIET.
9. Conducted Guest Lecture on "Applications of IOT" for III EIE Students by Mr. Bapuji Kanaparthi , CEO, Appleton Innovations, Hyderabad on 30th June 2021.
10. Conducted Guest Lecture on "Control Operations in oil and gas industries" for II EIE Students by Mr. R.V. Saradhi , Engineer, Kuwait Oil Company on 22nd July 2021.
11. Conducted a Panel Discussion on "Wide Spectrum of Career Choices in Electronics and Instrumentation Engineering" for Parents and Students by the Dept. of EIE, VNRVJIET on 31st July 2021.

2021-22

1. Conducted electrifying games on title "VOLTAIC" for students of different colleges and branches on 06/01/2022.
2. Conducted Guest Lecture on "Bio-Inspiration: Nature Inspired Innovation" for III EIE Students by Dr. Venkata Amarnath S., on 11th December 2021.
3. Conducted Poster Presentation on "Redesign Your World" for students of different colleges and branches on 20/11/2021.
4. Conducted Guest Lecture on "Sensors in IOT" for II EIE Students by A.Vinay Kumar, Scientist / Engineer('SD'), ISRO on 30th October 2021.

2022-23

1. Conducted debate Competition on title “Knock Out” for students of different colleges and branches on 09/10/2022.
2. Conducted electrifying games on title “VOLTAIC” for students of different colleges and branches on 29/04/2023.

2023-24

1. Conducted two day workshop on “Role of instrumentation in make in India opportunities and challenges” for students of different colleges and branches on 10/07/2023.
2. Conducted hardware Hackathon titled “INNOVATHON “where participants showcase their projects concerning various domains for students of different colleges and branches from 9/10/2023 to 10/10/2023.
3. Conducted training program on LASER 1.0 for the participants to learn how to build various applications where participants showcase their projects concerning various domains for students of different colleges and branches from 20/11/2023 to 23/11/2023

Guest Lectures Organized in the Department

S.No	Academic Year	No. of Guest Lectures
1	2017-18	07
2	2018-19	8
3	2019-20	6
4	2020-21	8
5	2021-22	6
6	2022-23	5
7	2023-24	3

<u>Topic</u>	<u>Speaker</u>	<u>Designation</u>	<u>Date</u>
2017-18			
A Walk-Through on IoT: Architecture, Protocols, Case Studies & Idea-Prototype- Product	Dr. S.V. Srikanth	Member of the National Ubiquitous Computing Research Resource Centre	21-03-2018
Relevance of EI Engineers in Process and Manufacturing Industry	Mr. D.Ravindranath	Former Associate Vice President, Engineering & Project, Vedanta Aluminium limited, Odisha	29-01-2018
Process Control Instrumentation	Mr. Yogesh Kumar Bhatnagar	Senior Control & Instrumentation Engineer, at Worley Parsons India Ltd., Singapore (Hyderabad branch)	27-01-2018
Applications of pharmaceutical in Instrumentation Engineering and their Environmental Aspects	Mr. Ankit Baheti	Senior Scientist, Formulation, Dr.Reddy’s Laboratory Ltd, Hyderabad.	18-11-2017
Instrumentation in Oil and Gas Industries	Mr. R. V. Saradhi	Instrumentation Expert, Kuwait Oil Company	21-08-2017
History and Evolution of Solid State Electronic Devices	Dr. Kaushik Nayak	Assistant Professor, IIT, Hyderabad.	18-08-2017

Biomedical Instrumentation	Prof. Mary C. Vagula	Ganon University,Erie,PA	29-07-2018
2018-19			
Cardiovascular Physiology and Instrumentation used in the assessment of Health and Electrophysiology of Heart	Prof. Mary C. Vagula & Dr. Sudarshan Nelatury	Professor from Gannon University	23-07-2018.
Solar Energy and Its Importance	Mr.Vangalapalli Sandeep	(Alumni of VNRVJIET), Founder and CEO of Arcedo Systems	15-09-2018
Instrumentation in Oil & Gas Industries	Mr. Yogesh Kumar Bhatnagar,	Senior Control & Instrumentation Engineer, at WorleyParsons India Ltd, Singapore (Hyderabad branch).	22-09-2018
Introduction to IoT and its block chain application	Dr.Manish Jain	Corporate trainer, IFDE Info Tech	26-12-2018
Bio-Medical Instrumentation and Signal Processing	Dr. C B RAMARAO	Professor-ECE , NIT Warangal	24-01-2019
“Scope of Bio-Medical Engineering and the importance of skill training”,	Mr. Harish Krishna,	HR Manager-Harvey Bio-Medical, Bangalore.	09-03-2019
“Nano materials for Energy Harvesting Applications”	Dr.R.Rajesh Kumar	Asst.Professor, Dept. of Physics, NIT Warangal	15-03-2019
Motivation towards Higher Studies	Mr.Meher Abhijith	Student(15071A1081) of VNRVJIET Secured 55th rank in GATE-2019	30-03-2019
2019-20			
Virtual Instrumentation	Mr.Ajith choudary	Senior Vision development officer, Opto Mech PVT LTD	12-07-2019
Instrumentation in Missile Launch	M. Prashant	Engineer, Advanced system Laboratory at DRDO.	20-07-2019
Cardiovascular Physiology and Instrumentation used in the assessment of Health and Electrophysiology of Heart	Prof. Mary C. Vagula & Dr. Sudarshan Nelatury	Professor from Gannon University	05/08/2019
“CPU Benchmarking”	Mr. K Rama Krishna Reddy	SMTS Design Engineer, AMD India Pvt Ltd, Bangalore	31-08-2019
Robotic process automation	Mr. Manjunath chandrasekhar	Program Manager Blueprism	20-12-2019
Motivation and Goal Setting	Mr.K.S.K.Jaya Deva Rao	Assistant Manager Training at Globarena Technologies Pvt. Ltd.	6 th January, 2020
2020-21			
Importance of Instrumentation Engineer in Industries	Mr. Yogesh Kumar Bhatnagar	Automation Engineer, Worley Pearson India Ltd	19/09/2020
Automation of Industrial Processes	Mr. Viswanath Rama Krishna	Engineering manager, Eaton corporation	14/09/2020
Nano sensors and Applications	Mr.L. Srinivasa Rao	Assistant Professor, VNRVJIET	26/09/2020
Instrumentation in R&D	Mr.Chetan Chavan	Senior R&D Engineer Medha servo Drives Pvt ltd	20/12/2020
Integration of hardware with LabVIEW	Mr.Ajit Choudhary	Senior Engineer- Vision Development, Optomech Engineers Pvt Ltd	24/12/2020

Different Communication Techniques To Transfer Data	Ms.Archana K Bhange	Sr. Assistant Professor, ECE Department, VNRVJIET	30/12/2020
Control Operations in Oil and Gas Industry	Mr. R.V. Saradhi	Engineer Kuwait Oil Company	22/07/2021
Applications of IoT	Mr. Bapuji Kanapartha	CEO, Appleton Innovations	30/06/2021
2021-22			
Sensors In IoT	Mr. Ayyagari Vinay Kumar	Scientist/ Engineer ('SD'),ISRO.	23/10/2021
Bio-Inspiration: An interdisciplinary approach for nature inspired innovation	Dr.Venkata Amarnath	Post Doc Fellow and guest researcher at PH,City university of Hongkong	11/12/2021
ARM Cortex-M3 Exception Programming	Mr. Mahesh Patil	Technical Director, CDAC.	06/01/2022
Integration of LabVIEW with various platforms	Mr. Ajit Choudhary	Associate IT Consultant, ITC Infotech India Ltd, Pune.	18/06/ 2022
Product and Test Development	Mr. Sashank Katta	Product development Engineer Intel India Pvt Ltd Bangalore	25/06/2022
Introduction to Artificial Intelligence	Mr. Kolli Sarath	CEO Boltzmann and Bayes Labs Bangalore	02/07/2022
2022-23			
Electric vehicle motion control	Mr. Ashok kumar Jha	Engineering Director, ZF Group	22/10/2022
Imaging from Space	Dr. Sudheer Reddy	Scientist/Engineer, ADRIN, Department of Space	29/10/2022
IoT-Domain Specific Applications	Dr. S V Srikanth	Joint Director, CDAC, Hyderabad	25/02/2023
Generative AI for Lifesciences	Mr. Kolli Sarath	CEO,Boltzmann and Bayes Labs,Bangalore	17/04/2023
Space Instrumentation and Satellite design	Dr. S.M.Ahmed.	Principal payload Scientist,XDLINX labs	29/04/2023
2023-24			
Arm Cortex M3 Industry Applications	Mr. P. Visweswara Rao	Senior embedded Engineer, Kits cart Innovations	21/12/2023
Trends in VLSI Design Verilog HDL	Mr. Yasho Nagaraju	Director, C-DAC Hyderabad	23/12/2023
Empowering your growth and Career by Harnessing Drone's and Drone Technology	Mr.Mehernosh Bazun Dittia	Founder, RPAS Aerial solutions LLP & Light house Training Academy	21/02/2024

Industrial Visits:

#	Academic Year	No of Industrial Visit
1	2017 – 18	5
2	2018 – 19	2
3	2019 – 20	3
4	2022 – 23	1

2017-18				
1	Signode India Limited, Rudraram Village, Patancheru Mandal, Medak District – 502329 Telangana	Third Year	20	4-4- 2018
2	<u>Hindustan Coca-Cola Beverages Pvt. Ltd,</u> <u>Ameenpur Unit, Miyapur Industrial Area,</u> <u>Phase I, Hyderabad – 502032,</u>	Second Year	140	6-4 2018
3	Precision Components Corporation Moula Ali, Hederabad, Telangana	Third Year	28	06-04-2018
4	Clonz Biotech Pvt. Ltd., Lan No.06, Innovation Corridor I, IKP Knowledge Park, Genome Valley, Turkapally, R.R,Dist, Hyd.	Third Year	48	07-04-2018
5	Indian National Centre for Ocean Information Services (INCOIS), Pragathi Nagar ,Hyd-90	First Year	120	21-04-2018
2018-19				
1	Mylan Laboratories Limited	Third Year	120	25-01-2019
2	Hindustan Coca-Cola Beverages	Second Year	115	29-12-2018
2019-20				
1	Mylan Laboratories Limited	Third Year	120	31-07-2019
2	L & T Metro Rail, Hyderabad	Third Year	120	11-09- 2019
3	Hindustan Coca-Cola Beverages	Second Year	120	23-09- 2019
2022-23				
1	L & T Metro Rail, Hyderabad	Second Year	120	03-12- 2022

Bridge Courses offered in the last five years, for Lateral Entry students

Year	Course name	No. of students attended
2017-18	1.Fourier and Complex Analysis	23
	2.Principles of Electrical Engineering	23
2018-19	Fourier and Complex Analysis	23
	Principles of elements of Electrical Engineering	23
2019-20	Fourier and Complex Analysis	12
	Principles of Electrical Engineering	12
2020-21	Complex Analysis and Special Functions	15
	Electronic circuits -1	15
	Signals and Systems	15
	Electronic Measurements	15
	Sensors and Signal Conditioning	15
2021-22	Engineering mathematics fundamentals	12
	Introduction to Electronic Circuits	12
	Fundamentals of signals and Systems	12
	Basics of Python Programming	12
	English	12
2022-23	English	12
	C & Data Structures	12
2023-24	English	13

PROGRAMS ORGANIZED

Workshops and FDPs Organized In the Department (EIE)




Title	Dates	No. of participants
2017-18		
Brainwave Controlled Robot	5 th - 6 th February, 2018	40
AICTE Sponsored National Seminar on “Recent Trends in Laser Technology and its Applications”	29 th -30 th Nov, 2017	75
Workshop on Wireless Communication using LabVIEW	5 th January, 2017	51
2018-19		
Faculty development programme on Robotics & AI	24-06-2019 to 28-06-2019	40
Short Term Training Programme on MATLAB Programming (Refresher course on MATLAB)	17-12-2018 to 20-12-2018, 24-12-2018 26-12-2018.	30
Workshop on Technical Paper Writing	5-11-2018 to 22-12-2018	27
Workshop on Scientific and Technical Drafting using LATEX	12-06-2019	27
Workshop on DSP hands on session	27-03-2019 to 28-03-2019	30
Faculty development programme on Robotics & AI	24-06-2019 to 28-06-2019	40
2019-20		
Scheme of financial assistance for setting up of electronics and ICT academies” funded by MeitY Gov. of India. Workshop on “3D printing for industrial and biomedical applications”	02-12-2019 to 06-12-2019	49
One Day Main Workshop on Arduino	08-02-2020	24
One Week Workshop on Python for III.B.Tech EIE-I	02-12-2019 to 07-12-2019	64
One Week Workshop on Robotics for III.B.Tech EIE- II	02-12-2019 to 07-12-2019	70
2020-21		
AICTE-Sponsored 2 week online short term training programme	15-02-2021 to 20-02-21 &01-03-21 to 06-03-2021	42
One Week FDP on Social Robotics & AI	28-06-21 to 04-07-21	32
2021-22		
Gaming contest organized by dept of EIE & ISOI student chapter	06-01-22	40
2022-23		
FDP on Mechanism for quality research publications	22-08-22 to 24-08-22	55
2023-24		
FDP on Draft-a-thon	23-11-23 to 25-11-23	24

HONOURS & AWARDS:







Title	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award	Category- Institution/teacher/research scholar/student
DVS Raju Endowment Medal	G.Bhavana Reddy	ISOI ,Hyderabad Chapter	2017-18	Student
DVS Raju Endowment Medal	C.Srichakrapani	ISOI ,Hyderabad Chapter	2018-19	Student
DVS Raju Endowment Medal	V.Sameera Prathyusha	ISOI ,Hyderabad Chapter	2019-20	Student
Top Performer	VSK.Siddhant	J -Hub Hackathon , Hyderabad	2019-20	Student
Campus stars	K.Likhitha Reddy	Economic Times	2019-20	Student
Top Performer	K.Likhitha Reddy	TiE GRAD BIZZ HACK BOOTCAMP	2019-20	Student
Top Performer	A.Sai Nikitha	J-Hub Hackathon(2020)	2019-20	Student
Outstanding New Jaycee	S.Sriya	JCI Hyderabad Challengers	2020-21	Student
Top performer	Kasa Likhitha Reddy	T-Tribe Launchpad Programme, T Hub, Hyderabad	2020-21	Student
Top performer	S.Sriya G. Amulya Darshan Kolla Surya TejaCheredy	“Pitch It to Win It” competition conducted by T-Tribe, T-Hub.	2020-21	Student
Silver medal Global Young Scientist Challenge (GYSC)	D Anushka	India International Innovation & Invention Expo	2021-22	Student
Silver medal Global Young Scientist Challenge (GYSC)	K Anusree	India International Innovation & Invention Expo	2021-22	Student
Silver medal Global Young Scientist Challenge (GYSC)	Md MaiFooze	India International Innovation & Invention Expo	2021-22	Student
Silver medal Global Young Scientist Challenge (GYSC)	M Vishnu Vardhan Reddy	India International Innovation & Invention Expo	2021-22	Student
Bronze medal Global Young Scientist Challenge (GYSC)	Ainesh Gunturu	India International Innovation & Invention Expo	2021-22	Student
Outstanding Paper Award	Sai Bhavana Kudithipudi	AITA 2021,NIT PATNA	2021-22	Student

Title	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award	Category- Institution/teacher/research scholar/student
Outstanding paper award for paper titled "A Method of Cardiovascular Disease Prediction using Machine Learning" during ICRAADL 2021 in the track of Applications of Deep Learning	Dr.K. Vidya Sagar	Department of Computer Science & Engineering, Shri Vishnu Engineering College for Women	2020-21	Teacher
Faculty Excellence Award	Dr. Kiran Chakravarthula	Ed & ImmiGo, Overseas Education, Immigration & Coaching, A company of CORP2CORP INC/USA	2021-22	Teacher
Faculty Excellence Award	Dr. Nageshwar V	Ed & ImmiGo, Overseas Education, Immigration & Coaching, A company of CORP2CORP INC/USA	2021-22	Teacher
Certificate of Appreciation for her Commendable Contribution as an Academic Administrator	Dr.R.Manjula Sri	Malla Reddy Engineering college for Women, Hyderabad	2021-22	Teacher
Awarded for Roti maker product in the conference.	Dr.S.Pranavanand	Indian institute of Millet research institute	2023-24	Teacher
Awarded gold medal and certificate	Ms.P.Sampurna Lakshmi, Dr.R.Manjula Sri Mr.S.Bhargav & Ms.S.Vandana	INEX-2023	2023-24	Teacher

STUDENT ACHIEVEMENTS:

Description Of The Gold Medal	Donated By	Medal Being Issued For	Branch
Sri T.Yogaiah Naidu Gold Medal	Sri Uma Maheswar Charitable Trust	Best outgoing boy student in EIE	EIE
YEAR	Student Name with Hall Ticket Number and Percentage/CGPA		Photo
2017-2018	PUNNAVAJHULA KALYAN TEJA, 14071A10A4, 8.89 CGPA		
2018-2019	C.SRICHAKRAPANI, 15071A1014, 9.53 CGPA		
2019-2020	KONDAPALLI SHANMUKHA SRI SAI, 16071A1086, 9.46		

2020-2021	VULUGUNDAM SAI KRISHNA SIDDHANT, 17071A1056,8.99	
2021-2022	G SAI SRITHIK,18071A1082,9.40	
2022-23	VAZHAYIL SAI ASWIN, 20075A1015,9.24	

Description Of The Gold Medal	Donated By	Medal Being Issued For	Branch
Sri Kode Venkatadri Chowdary Memorial Gold Medal	Sri Kode Venkatadri Chowdary Charitable Trust	Best outgoing girl student in EIE	EIE
YEAR	Student Name ,Hall Ticket Number ,% of marks		
2017-2018	GANGULA BHAVANA ,14071A1017 ,9.13 CGPA		
2018-2019	ACHYUTUNI KANCHANA VALLI,15071A1061,9.44 CGPA		
2019-2020	VADDAMANI SAMEERA PRATHYUSHA ,16071A10B4 ,9.80 CGPA		
2020-2021	GOGINENI MANASWINI,17071A1078,9.70 CGPA		
2021-2022	CHITNEEDI TEJASWI, 18071A1075,9.69		
2022-23	ARUKALA SAHITHI,19071A1059,9.10		

STUDENT PLACEMENTS & HIGHER EDUCATION:

Academic Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Students Progression(Higher Education)	7	25	8	20	12	11*
% of students progressed to higher education	5	19.23	6	15.38	9	8*

DEPARTMENT OF EIE PLACEMENT DETAILS

Year	2017	2018	2019	2020	2021	2022	2023	2024
No. of students eligible	98	81	82	97	99	100	87	84
No. of students placed	78	67	66	91	84	96	80*	55*
% of Students got placed	79.5	79.59	81	94	85	96	92*	65*

ALUMNI:

- Apart from working with Top MNC, good number of students of the Dept. are pursuing or pursued higher education in the premier institutes in India and Abroad which includes, IIT, NIT Trichy, IIM Kozhikode, University of California Berkley, University of Texas at Dallas, Arizona State University, La Trobe University, Michigan State University etc., and other leading German Universities like Berman University, University of Paderborn etc.,
- A few of our students have become entrepreneurs too

	N.Suman Scientist E DRDO India	Bala Krishna Nuthakki Founder, Cybernetics Instrumentation India	
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	Mr.K.Rama Krishna Reddy Engineer AMD India	Sandeep Vangapalli Founder, Arcedo Systems India	
	Ravali Tipirneni Test Engineer Maxim Integrated California,US	Rajesh Podduturi, Assistant Manager, Indianoil Cooperation India	
	P.Samatha System Engineer Tata Consultancy Services India	K Mohan Principal Cloud Architect, Machine Learning , iRobot Boston,US	
	Mohan Krishna K Software Development Engineer ,Microsoft Washington,US	Jyothi Snigdha B Development Engineer, enfas GmbH Germany	
	Prathyusha Karri SoC Power validation Engineer,Apple California,US	Manasa Veena Chilakapati Design Verification engineer Marvell Technology California,US	
	Venigalla Ramana Teja CTO at IBS Global, Innovative Business Solutions India	Meher Abhijeet Architecture Analyst Accenture Japan	

BEST PRACTICES:

- National Instruments ,USA authorized certified Lab-VIEW Associate Developer(CLAD) training and test centre.
- Students compete for the ISOI Gold medals and bagged 9 medals.
- Virtual industry emulated laboratories.
- All the students are members of ISOI student chapter and all the faculty are members/fellows of ISOI/ISTE/IETE/IEEE professional societies.
- Major and Mini Projects taken up by students are real-world problems faced by the industry and society.
- Major Projects are evaluated by industry experts

Glimpses of our Student Achievements



GSS Amulya, K Darshan Damodar, S.Sreya and Surya Teja in Pitch It to win It.



K.Likhitha Reddy, Winner of "TiE GRAD BIZZ HACK BOOTCAMP"2020



VSK.Siddhant along with the Team has Won First Prize in the J -Hub Hackathon 2019



K.Likhitha Reddy won the title of Campus code star



A.Sai Nikitha, won 1st Prize in Healthcare at J-Hub Hackathon



Bolloji Hasini, Busupalli Karthikeya Reddy, Pothireddy Nishma Reddy & Sharath Kumar Choka Won 1st place in 28-Hour Hackathon



. B.Koushik Won 1st Place in 24-Hour Techathon at GITAM University



Shrenita.K at SMIP and Sanjana.T at VMIP in ICAFI MUN