

EDITORIAL BOARD

Chief Editor



Dr.S.Senthilkumar
Assistant Professor

Associate Editor



Mr.K.Vijay Chandra
Assistant Professor

Students Associates

K.Sri Nithya (16071A1023)

K.Sreya (16071A1019)

Kiran Verma (16071A1021)

Editorial

Automation-Boon or Bane

Every coin has two sides. So does the enhancement in technology. When one side offers opportunities and confidence, the other plunges its harder truth in the fear of losing existing opportunities along with the white collar jobs. The Indian economy is in transition with the on-going impact of automation on the employment of certain population which are involved in industrial control and services sector. Though automation leads to creation of various new jobs(which are in need of high experience),the destruction of the jobs which are high in number with the present economic situation is even more concerning. Under controlled scenarios automation reduces the cost of a firm, leads to reduced corruption and bureaucratic discretion. It also increases the social economic infrastructural level which in turn attracts high range investments developing the country's national and international standards. Automation becomes a problem when higher number of jobs is at stake. The requirement of new jobs is freelancing at nature thus pressuring abnormal situations among employees. As we can clearly integrate the changes brought by this developing side of technology, let's hope for the right mix of solution to be brought in the varied interests of the economy as a whole.

**VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI
INSTITUTE OF ENGINEERING AND TECHNOLOGY**

An Autonomous Institute, NAAC Accredited with A++ Grade
NBA Accredited for CE, EEE, ME, ECE, CSE, EIE, IT B.Tech Courses

Approved by AICTE, New Delhi, Affiliated to JNTUH

Recognized as "College with Potential for Excellence" by UGC

EAMCET CODE: VJEC

PGECETCODE: VJEC1



Message from HOD

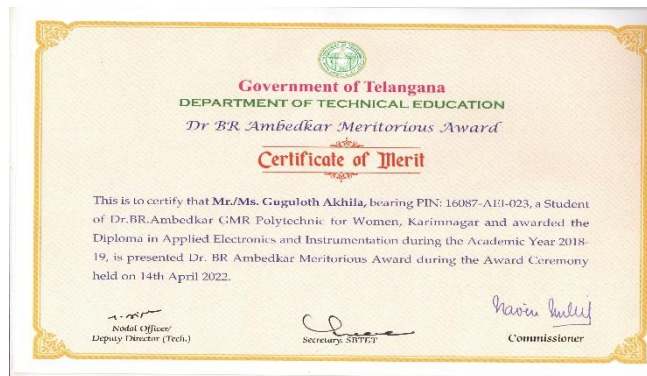
Factual content and procedures that constitute the knowledge base of the discipline around the big ideas of the domain, links new knowledge to what is already known by presenting concepts in a conceptually and logically sequenced order that builds upon previous learning within and across grade levels. The vision of the department is to be well known department that will serve as a source of knowledge and expertise in the field of Instrumentation for the society by rendering value added education to the students. The department's mission is to impart dynamic education and develop engineers, technocrats, and researchers to provide services and leadership for development of the nation. To bridge the gap between industry and academia, faculty members connect to industries through i- Connect activities like industrial visits, expert lectures, sponsored projects, workshops, training, MOUs with renowned industries. It provides internship and placement opportunities for students.



Dr. R. Manjula Sree
HOD: EIE

Students Achievements

- Guguloth Akhila (19075A1010) of IV Year EIE Students got certificate of merit in Diploma of Electronics and Instrumentation during the academic year 2018-19, is presented by Dr.B.R.Ambedkar Meritorious Award during Award Ceremony held on 14th April 2022 at Govt. Institute of Electronics, Secunderabad.



- Ch.Tejaswi -18071A1075 (2018-22 batch).- Selected in Analog Devices India Pvt. Ltd. (ADI), Old Madras Road. Bengaluru with package of 18 LPA.
- Ms Penumalla Bharani Tejaswini (21071A1051) of I Year EIE student bagged 1st Prize in Badminton-Doubles at 13th Indian Open Inter Engineering Collegiate Sports Fest 2022 held at VNRVJIET, Hyderabad during 1st & 2nd June 2022.



➤ **Students Internship Details:**

S.No	Name	Roll No.	Name of the Company
1	Lokesh Kumar	20071A1034	Growth school
2	Buddiga Ruthvik	20071A1012	Verzeo
3	Korrapati Vineela	20071A1031	BHEL Internship
4	Indrala Ajay	19071A1019	HCCB Internship
5	Mayabhramma Sai Adarsh	19071A1029	BHEL internship
6	V Sai Akshitha	19071A1049	BHEL
7	D Anushka	19071A1065	DRDO
8	Sai Vivek Padakanti	19071A1034	South Central Railway
9	Gunnala Soumya	20075A1002	South Central Railway
10	K Anusree	19071A1074	BHEL
11	V Aravind Varma	19071A1051	DLRL(DEFENSE ELECTRONICS RESEARCH LABORATORIES)-DRDO
12	Aneesha dacha	19071A1010	Schneider electric
13	Katta Veda srujana	19071A1079	Kits kart pvt limited- Internship
14	Hari chandana yalavarthi	19071A1071	Ananth technologies

➤ Students Placement

S.No	Name	Roll.NO	Company
1	Kudamala Manideep	18071A1090	First American India
2	N Sudheer Kumar	18071A1099	Absyz
3	Y Suhas	18071A10C0	HCCI
4	Santhoshi Pravallika	18071A1062	HCCI

Events Organized

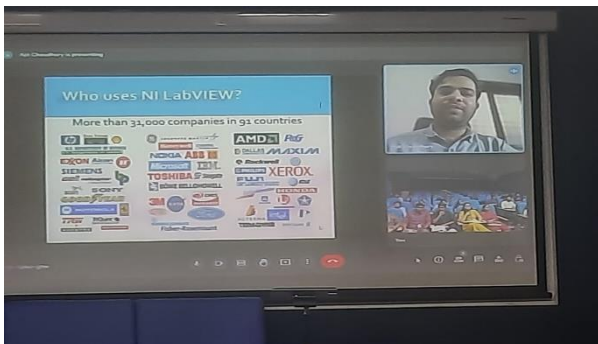
- Online Refresher Session – I for 1st Year EIE students on “Circuit Theory” Organized by Department of Electronics and Instrumentation Engineering in collaboration with Instrument Society of India (ISOI) Student Chapter & IEEE Student Branch, VNRVJIET. On 3rd April 2022 at 3:00pm to 5:00pm, 53 students attend the session.
- Guest lecture conducted for III Year EIE students on “How to get your dream Job”, by Mr. Rupesh Tiwari, Head HR organized by Department of H & S, VNRVJIET in B-Block Seminar Hall on 05-04-2022 at 2:00pm to 4:00pm. 72 students from both sections attended the lecture.



- Guest lecture organized for II Year students of ECE, EIE & EEE on “Efficiency and Effectiveness” by Mr. S Tirmal Reddy, Learning & Development Professional, industry experience in the areas of business development and training at Glaxo SmithKline. On 21-04-2022 at 2:30pm to 4:00pm in K.S. Auditorium, VNRVJIET. 70 students and 2 faculty members from the department attended the session.



- Department of EIE in collaboration with ISOI Student Chapter VNRVJiet has proposed to conduct a virtual guest lecture for III B.Tech II Sem-EIE students on “Integration of LabVIEW with various platforms”, in the domain of Automation by Mr. Ajit Choudary, Associate IT Consultant (Senior Software Developer), ITC Infotech India Ltd. On 18-06-2022 at 11:00AM to 12:30PM in B-Block Seminar Hall of VNRVJiet. Total 54 students and 2 faculty members attended the lecture.



- Parent meeting of I B. Tech II Sem EIE held on 18-06-2022 (Saturday) at 3:00 PM to 5:00 PM in the department library, to interact regarding the performance and progress of the students. 14 student parents were present for the meeting.



- Department of EIE in collaboration with ISOI Student Chapter VNRVJIET has proposed to conduct a virtual guest lecture for II B.Tech II Sem- EIE 1 & 2 section students on “Product and Test Development”, in the domain of VLSI by Mr.Sashank Katta, Product development Engineer, Intel India Pvt Ltd. On 25-06-2022 at 11:00AM to 12:00Noon in B-Block Seminar Hall of VNRVJIET. Total 58 students and 2 faculty members attended the lecture



Faculty Participation

- Dr.C.Kiran, Assoc Professor, attended H'S T-Healthcare event at IIIT, Hyderabad on 31st March 2022.
- Dr.C.Kiran, Assoc Professor, attended the Social Entrepreneurship Summit, Impulse, at BVIC, a social entrepreneurship hub on 8th April 2022.
- Anitha Kulkarni, Assoc.Professor, attended 5-day Workshop on “Online platform”, organized by AICTE Incorporating Universal Human Values in Education from 9th-13th May 2022.
- S.S. Bharti Sagi, Asst.Professor, Attended One week Faculty Development Program on “R Programming a Practical Approach”, Organized by Department o CSE, VNRVJIET from 9th-14th May 2022.
- Dr.S.Pranavanand, Assoc.Professor, visited to M/s Sanguine Bio Instruments Pvt. Ltd for collaboration with our institute on 02-05-2022
- Dr.R.Manjula Sri, Professor & Head, attended virtual guest lecture on “ Higher education and National Development”, by Dr.Anil Kakodkar, AICTE Distinguished Professor -VNRVJIET on 31st May 2022
- Dr.R.Manjula Sri, Professor & Head, attended online Webinar on “NEP 2020 Implementation plan Multi-disciplinary and Holistic Education”, organized by UGC_HRDC Center, JNTUH on 18th June 2022.
- A.Adithya Kashyap, Asst.Professor, attended online Webinar on “NEP 2020 Implementation plan Multi-disciplinary and Holistic Education”, organized by UGC_HRDC Center, JNTUH on 18th June 2022.

- Dr. Chakravarthula Kiran, Associate Professor-EIE, attended the webinar on "Quantum Computing" by Mr. Bhagvan Kommidi, Founder of Quantica Computacao, organized by Dept. of CSE, IEEE CS and CSI as the first lecture of a Series on lectures on Quantum Computing on 30-06-2022

Faculty Achievements

- The following faculty members have successfully completed NATE NPTEL certification course.

Dr. R.Manjula Sri (Elite+ Silver), Professor & Head

Mr. M.Hari Krishna(Elite+ Silver), Assoc.Professor

Ms. Anitha Kulkarni (Elite), Assoc.Professor

Ms. D. Srilaxmi (Elite), Asst.Professor

Mr. A.Aditya Kayshap (Elite), Asst.Professor

Ms. P.Sampurna Lakshmi (Elite), Asst.Professor

- Mr. V. Nageshwar, Assoc.Professor, EIE has successfully completed Ph.D. on 16-05-2022 at JNTU Hyderabad.
- Mr. K.Vijay Kumar, Asst.Professor, EIE has successfully completed Ph.D. on 21-06-2022 at VIT, Vellore.

Research and Development (R & D)

Book Chapter

Faculty Name, Designation & Department	List of Authors in the order that appears on the paper	Full title of the paper	Publisher	Volume, Proceeding Nos./ISBN	Date/ Month/ Year of publication	Indexed
Dr C. Kiran Associate Professor/EIE	<u>Kiran Chakravarthula</u> , <u>Tejas S. Shah</u> & <u>Divya Pathak</u>	Non-invasive Measurement of Blood Sugar Using Near-Infrared Spectroscopy	<u>Smart Innovation. Systems and Technologies</u> book series, Springer	Volume 02. pp.85-92	May 2022	SCOPUS

Journals

Faculty Name, Designation & Department	List of Authors in the order that appears on the paper	Full Title of the Paper	Conference in which the Paper Published	Volume Issue, Page Nos.	Date/ Month & Year of Publication	ISSN No. / ISBN No.	Indexed
Mr. B. Goutam Assistant Professor/EIE	Balla Goutam, Mohammad Farukh Hashmi, Zong Woo Geem Neeraj Dhanraj Bokde	A Comprehensive Review of Deep Learning Strategies in Retinal Disease Diagnosis Using Fundus Images	IEEE Access	Published Online	May 2022	2169-3536	SCI
P.V. Gopi Kumar, Asst.professor/EIE	Dr. R. Manikandan & Dr. C Ravi Shankar Reddy	QRS Complex Detection and Monitoring Heart Abnormalities in ECG	International Journal of Applied Engineering Research	Volume 17, Number 4 (2022) pp. 395-404	June 2022	ISSN 0973-4562	UGC

Conferences

Faculty Name, Designation & Department	List of Authors in the order that appears on the paper	Full title of the paper	Conference in which the paper published	Volume Issue, Page Nos.	Date/ Month & Year of publication
Dr. R. Manjula Sri, Professor & Head/EIE	Lakshmi Kala Pampana, Manjula Sri Rayudu	Retinal Artery Vein Crossover Abnormality Classification using Optimized Machine Learning methods	National Conference on Advances in Electrical, Electronics & Computer Engineering	978-93-90150-31-1	17 th June, 2020
Dr. R. Manjula Sri, Professor & Head/EIE	Lakshmi Kala Pampana, Manjula Sri Rayudu	Classification of Retinal Vessel Tortuosity as Severity Grades using Random Forest Classifier	National Conference on Advances in Science, Agriculture, Environmental & Biotechnology	978-93-90150-32-8	18 th June, 2020

