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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

- M/s. Accenture has conducting online test for 759 students’ of 2023 batch at VNRVJIET during 5th & 6th Sep 2022.
- Akshathala Srimayee and Lokesh Kumar Gajula from III B.Tech EIE got selected for Nationals of NASA Space apps challenge 2022, which will be held on Oct 1st and 2nd at Chandigarh University.

Students Certification Course:

S. No.	Title of Certificate Course	Pre-requisite	Benefits	Targeted students	Dates & Duration of the Course (no. of days)	Course Fee Rs.	No of Participants to whom certificate issued
1	Verilog Programming (VLSI)	Digital Electronics	Improvement of skill set and aiming for higher packages	60	50 hours	6000/-	On going
2	Smart Interviews (Competitive Programming and Problem Solving)	C Programming and Basics of Data Structures	Improvement of skill set and aiming for higher packages	60	50 Hours	6000/-	On going

Students Internship Details:

S.No	Name	Roll No./Phone No.	Name of the Company
1	V Aravind Varma	7799693848	DRDO
2	Manideep	8712896390	ECIL
3	V Aravind Varma	7799693848	DRDO
4	N. Gaurav Srinivas	7382257036	vaave

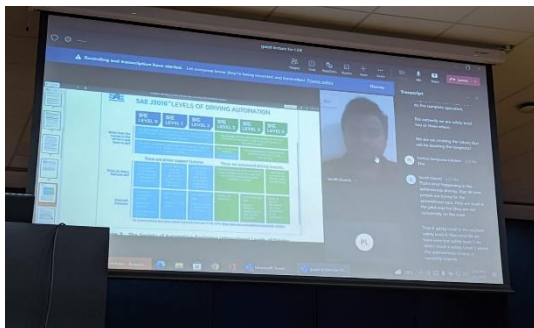
Students Placement

S.No	Name	Roll.NO	Company
1	Santhoshi Pravallika	18071A1062	Hexagon Capability Center India
2	Ch. Manyatha	18071A1013	Deloitte
3	Y. Suhas	18071A10C0	Hexagon
4	Kalavari sruthi	19071A1022	TCS ninja
5	K.Anusree	19071A1074	TCS -NINJA
6	Rumandla Ranjith Kumar	19071A1039	TCS (NINJA)
7	Aneesha Dacha	19071A1010	Salesforce
8	Juloori santhosh	19071A1042	TCS
9	Mellacheruvu Krishna Dhanush	19071A1085	TCS
10	Vineetha Kanuru	19071A1024	TCS
11	Suhas Patlolla	19071A1044	TCS - Ninja
12	Gowri saranya	19071A1008	TCS Ninja
13	Bogguri Veda Reddy	19071A1007	TCS - DIGITAL
14	Gottipa Jai Pavansai	18071A1018	Conquer technologies
15	Kalepu gayathri vindhya	19071A1023	TCS
16	M Sai Aadarsh	19071A1029	Deloitte
17	Juloori santhosh	19071A1042	TCS
18	Katta.Vedasrujana	19071A1079	Cognizant
19	Likhitha vupendram	19071A1084	Deloitte
20	Rumandla Ranjith Kumar	19071A1039	Cognizant
21	Maneesha	19071A1095	Schneider Electric

S.No	Name	Roll.NO	Company
22	Ellanki Mani Sharan	19071A1014	Cognizant
23	Kola Sai Satya Sriya Naidu	19071A1026	Cognizant
24	K.Hasika Sri	19071A1027	Accenture
25	B Nithin	19071A1003	Accenture
26	Chava Sathvik	19071A1009	cognizant Genc
27	Movva Divya Sree	19071A1087	Cognizant

Events Organized

- Department of EIE in collaboration with ISOI Student Chapter VNRVJIET has conducted a guest lecture for I B.Tech II Sem-EIE students on “Introduction to Artificial Intelligence”, in the domain of soft computing by Mr.Kolli Sarath, CEO, Boltzmann and Bayes Labs. on 2nd July 2022 from 2:40PM to 3:40PM in APJ Abdul Kalam Auditorium,VNRVJIET. Two faculty members & 68 students attended the session.



- Parent meeting of II B. Tech II Sem EIE held on 02-07-2022 (Saturday) at 3:00 PM to 5:00 PM in the department library, to interact regarding the performance and progress of the students.



- Interaction session for I Year Students of EIE -A on “Sahaja Yoga - Process to Awaken our inner energy”, by Ms. P.Swetha Managing Director – Neera Interior Solutions on 03-08-2022 from 10:00AM to 11:00AM.



- Interaction session for I Year Students of EIE -B on “Sahaja Yoga”, by Ms. Sunitha on 04-08-2022 from 10:00AM to 11:00AM.



- Interaction session for I Year Students of EIE -B on “upcoming development & project in agri & horticulture”, by M.Naga Raju, Agri & Horticulture consultant, Hyderabad on 04-08-2022 from 11:00AM to 11:30AM.



Faculty Participation

- Dr.S.Pranavanand, Assoc.Professor, visited IIMR & CFTRI for project work for students, on 1st July 2022.
- Dr.C.Kiran, Assoc.Professor, attended an interaction with CEO of WE Hub at WE Alpha 2.0 event on 14th July 2022.
- Mr.Adhitya Kashap, Asst.Professor attended Faculty Development Program on “Research Challenges and hands on Practice in Data Analytics & AI”, organized by VNRVJIET Hyderabad and NIT Warangal from 21st-30th July 2022.
- Dr.M.Sreedhar, Professor, attended, faculty development program on “Cryptography and network security” conducted by NPTEL from 25th July-14th Oct 2022.
- Mr.S.Bhargav, Asst.Professor, attended webinar on “Modern Digital Electronics”, organized by Mc. Grawhill on 22nd July 2022.
- The following faculty members from the department attended session of 2022 IEEE SPS Student Branch Chapter Initiative summer school on “Latest Trends in Machine Learning for Signal Processing”, organized by VNRVJIET & IIIT Hyderabad in association with SPS & WIE AG IEEE Hyderabad Section on 10th-11th August 2022.

Jyothirmai Joshi Asst. Professor EIE

S.Bhargav Asst.Professor EIE

- Dr.K.Vijay Chandra, Asst.professor attended 5-day workshop on “Developing winning research proposals”, organized by RCC, VNRVJIET, Hyderabad from 8th-12th August 2022.
- Dr.C.Kiran, Assoc.Professor, attended IIC Regional Meet at SNIST as the Convener-IIC on 12th August 2022.
- Mr.N.Akshay, Asst.Professor, attended One week Online Faculty Development Program on “ Data Engineering”, organized by department of CSE - AI/ML/IoT of VNRVJIET during 16th-20th August 2022.
- Mr.N.Akshay, Asst.Professor, attended 3-day faculty development program on “Enhancing Quality Research Writing Skills”, organized dept. of EIE, VNRVJIET from 22nd-24th August 2022.
- Dr.R.Manjula Sri, Professor & Head, Dr.V.Nageshwar & Dr.C.Kiran, Assoc Professors and Mrs.S.S. Bharathi Sagi Mr.B.Goutham, Asst. Professors attended IEEE WIE International Leadership Summit (ILS-22) as organizing Committee members at Marigold Hotel, Hyderabad during 26th & 27th August 2022.
- Dr.R.Manjula Sri, Professor & Head, delivered a talk in FDP on RT & DSP on “AI Approach to predict Health Risk Factor”, on 29-08-2022 at NITW during 25th -30th August 2022.
- Dr. Chakravarthula Kiran, Assoc. Professor-EIE, delivered an invited talk at Engineering Staff College of India on 01.09.2022 titled "Research Topics on IoT and Ethics" as a part of the 5-day Residential Training Programme on "Internet of Things (IoT)" organized by ESCI for industry personnel.

- Dr. Chakravarthula Kiran, Assoc. Professor-EIE attended 2nd Indi Global Education Festival as GRA, where the president -VJ is one of the speakers on 16th Sep 2022.
- N.Akshay, Asst.Professor, attended online 4 Week Course on “Python for Data Science”, organized by NPTEL from July to September 2022.
- N.Akshay, Asst.Professor, attended online 8 Week Course on “Introduction to ML”, organized by NPTEL from July to September 2022
- N.Akshay, Asst.Professor, attended online 12 Week Course on “ Introduction to Internet of things”, organized by NPTEL from July to September 2022.
- N.Akshay, Asst.Professor, attended online 12 Week Course on “ Introduction to Industrial Internet of things”, organized by NPTEL from July to September 2022.
- P.Sampurna Lakshmi, Asst. Professor, EIE attended Online faculty development program on IoT & ML for Social Relevant Applications organized by NIT Warangal during 22nd-27th Sep 2022.
- D.Sri Laxmi, Asst. Professor, attended online course on “Introduction to Machine Learning”, organed by NPTEL during July – September 2022.
- D.Sri Laxmi, Asst. Professor, attended online course on “Introduction to Internet of thing”, organed by NPTEL during July – September 2022.
- D.Sri Laxmi, Asst. Professor, attended online course on “Deep Learning”, organed by NPTEL during July – September 2022.

Research and Development (R & D)

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
Ms.D,Swetha, Assistant Professor/EIE	N.V. S. Venugopal, B. Padmavathi and D.Swetha	Olymeric nano formulation of a non-systemic dithiocarbamate pesticide: preparation, Characterization, and bioassay	Rasayan Journal of chemistry	Volume. 15, Issue No. 03 pp. 1834-1839	July 2022	0974-1496	SCOPUS
Dr.R.Manjula Sri Professor & Head	Lakshmi Kala Pampana, Manjula Sri Rayudu	Quantification of retinal artery-vein ratio for vascular disease diagnosis using spatial U-Net	Indonesian Journal of Electrical Engineering and Computer Science	Vol. 27, No. 3, pp. 1404-1411	8/10/2022	2502-4752	SCOPUS

Conferences/Lecture Notes

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
V. Nageshwar Associate Professor/EIE	V. Nageshwar, J. Sai Charan Reddy, N. Rahul Sai & K. Narendra	Seizure and Drowsiness Detection Using ICA and ANN	Intelligent Communication Technologies and Virtual Mobile Network, Springer	Volume 131, ISBN: 978- 981-19- 1843-8, pp. 485-492	July 2022

