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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.

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. Some Interaction session are organized for faculty members of ECE & EIE like “Seizure Predictability and Study of sudden unexpected death in Epilepsy using machine learning and Association Measures”, by Dr.Bharat K Karumuri (USA) and Psychological Counselling Session for of I, II &III Year EIE students is organized by “Roshni”. Looking forward for an improved, bright and enthusiastic environment in the department.

Dr. R. Manjula Sree
HOD: EIE

Students Achievements

- B.Koushik (22075A1008) of III year EIE student has secured 1st place in 24 hours hackathon conducted at Gitam university on 27th February 2024.
- N Mrudul Reddy (20071A1044) have been selected for Internship in Gravton Motors.
- Ms.R.Pavithra (22071A10B8), of Second year student participated in NSS Volunteer at Mega Blood Donation Camp at VNRVJIET during 26th-28th March 2024.
- The following students from I & III Year EIE participated and won prizes at Stentorian at ICFAI MUN ICON on 22nd- 24th March 2024 and secured the following mentions.

Shrenita.K (23071A1033) - Special Mention International Press (EIE 1st Year)

Sanjana.T (23071A1059) - Verbal Mention International Press (EIE 1st Year)



Students Achievements (Contd.)

Students Awards

Name of the Student	Dept.	Awards / Participated
B.V V S S VARSHINI	EIE	1st prize in - National science day poster presentation
B Rohan	EIE	Second in badminton doubles tournament held in WOXSSEN UNIVERSITY

Students Internship Details:

S.No	Name	Roll No.	Name of the Company
1	NAGA SAI SURYA TEJ YEDLA	21071A10A3	ZF

Students Placement

S.No	Name of the Student	Roll No.	Name of the Company
1	M Kruthuneya	20071A1095	CampX
2	Bandaru Manisha	20071A1008	Wayspire Ed-Tech Private Limited
3	Ruthvik Buddiga	20071A1012	Wayspire Ed-Tech Private Limited
4	Meghana M	20071A1036	Wayspire Ed-Tech Private Limited
5	Kammari Abhishek Chary	20071A1027	HIGH TECHNEXT ENGINEERING & TELECOM PVT LTD SELECTED
6	Dadi Srinath	20071A1017	
7	Mitta Abhishek	20071A1040	
8	Ruthwik Thumma	20071A1055	
9	Annadi Sandeep Reddy	20071A1064	

10	Gaddam Manish Chandra Reddy	20071A1080	
11	Meka Kusuma	20071A1096	
12	Adunoori Srikanth	21075A1001	
13	Ateli Srikanth	20071A1004	SRICHAKRA
14	Bommagani Umesh Chandra	20071A1073	
15	Bonthala Sai Laxmi	20071A1074	
16	Bhukya Srimanmayee	21075A1007	
17	Guduri Swathi	20071A1083	
18	Gopu Naga Dheeraj	20071A1022	TCS
19	Rasula Sai Kishore	20017A10A6	
20	Sanjana Alugani	20071A10B0	
21	Ateli Srikanth	20071A1004	SRICHAKRA PVT.LTD.
22	Bommagani Umesh Chandra	20071A1073	
23	Bonthala Sai Laxmi	20071A1074	
24	Bhukya Srimanmayee	21075A1007	

Students sponsored for Guest Lecture / Seminars / Workshops / Training Programmes /Sports / Webinars conducted in the Institute/outside the Institute:

S. No.	Details of participants	Event attended	Organized by	Topic	Dates of Event
1	Guest Lecture on Empowering your growth and Career by Harnessing Drone's and Drone Technology	II Year Students	21-02-2024	120	Students learned about the types of drones and their applications.

2	Open house 2024 an Evince your Innate Talents	All Students	30th March 2024.	60 students	Displayed projects demos in Open House
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Events Organized

- 16th Board of Studies (BoS) meeting conducted in the department of EIE on 24th January 2024 from 11:00AM.



- Organized Guest Lecture for II Year EIE Students on “Empowering your growth and Career by Harnessing Drone’s and Drone Technology”, by Mr. Mehernosh Bazun Dittia, Founder RPAS Aerial Solutions LLP & Lighthouse Training Academy, Banjara Hills, Hyderabad”, on 21-02-2024 in APJ Abdul Kalam Auditorium.



Faculty Participation

- Dr. V.Nageshwar, Assoc.Professor, attended Faculty Development Program on “NEP Orientation & Sensitization Programme”, organized by Malaviya Mission Teacher Training Centre, JNTUH, Hyderabad from 2nd-15th Jan 2024.
- 9 faculty members from the department attended a Seminar/talk on "A History of Climate Change and Role of Solar Energy in Combating IT" by Dr.Shishpal Rawat,Volunteer President, Solar Cookers International, Seize this wonderful opportunity and expand your knowledge on the latest climate change technologies organized by IEEE VNRVJIET SB in association with IEEE Hyderabad Section CIS/GRSS Chapter and SPS Chapter in B Block Seminar Hall on 18th January 2023 from 2:00 pm - 3:30 pm.
- Dr. Chakravartula Kiran, Assoc.Professor attended Startup Meetup Hyderabad by E-Cell IIT Madras conducted in Kondapur, as the Manager-VJ Hub attended the event, on 20th Jan 2024.
- Ms.D.Srilaxmi and Mr.S.Bhargav attending two week Faculty Development Program on “Data Structures”, organized by Dept. of CSE, VNVJIET. from 19th -31st January 2024.
- The following faculty members attended IEEE PES Distinguished Lecture on “Application of Optical distribution Sensing Technologies in Power Cable Applications”, by Dr.Ch.Sudhakar, Principal Engineer, Manager, Transmission Engineering, IEEE (SM), CANADA organized by Dept. of EEE in B-Block Seminar Hall on 2nd February 2024.
 1. Dr. N.Akshay Asst.Professor
 2. Mr. A. Aditya Kayshap Asst.Professor
 3. Ms. S.S.Bharathi Sagi Asst.Professor
 4. Mr. P.V.Gopikumar, Asst.Professor
 5. Dr. B.Rajasekhar Reddy Asst.Professor
- A.Adithya Kashap, Asst.Professor, attended online Skill Development Programme on “Outcome Based Education”, organized by Department of EIE, CVR College of Engineering from 29th January to 2nd February 2024.
- Ms.D.Swetha, Asst.Professor, attended and presented paper in 4th International conference on Smart Data Intelligence (ICSMDI-2024) titled “Smart Refrigeration Management System using Internet of Things(IoT) organized by Kongunadu College of Engineering and technology, Trichy, Tamilnadu, during 2nd-3rd February 2024.

- A.Adithya Kashap, Asst.Professor, attended online Faculty Development Programme on “Research Methodologies - Quantitative & Qualitative Research”, organized by Department of EIE, CVR College of Engineering from 5th-9th February 2024.
- Dr.S.Senthil Kumar, Asst.Professor, attended online Skill Development Programme on “Outcome Based Education”, organized by Department of EIE, CVR College of Engineering from 29th January to 2nd February 2024.
- Dr.S.Senthil Kumar, Asst.Professor, attended online Faculty Development Programme on “Research Methodologies - Quantitative & Qualitative Research”, organized by Department of EIE, CVR College of Engineering from 5th-9th February 2024.
- Dr.S.Senthil Kumar, Asst.Professor, attended online workshop on “ATC SCADA”, organized by Mitsubishi Electric & CVR College of Engineering, Dept. of EIE on 10th February 2024.
- Dr.S.Senthil Kumar, Asst.Professor, attended online workshop on “AI Tools”, organized by Be10x Pvt Ltd on 25th February 2024.
- Dr.V.Nageshwar , Assoc.Professor and S.Vandana, Asst.Professor, Faculty development program on Recent Trends and challenges in Deep Learning for Advancing Computer Vision 2024 organized by Department of ECE, VNRVJIET, Hyderabad from 26th February to 1st March 2024.
- Dr.V.Nageshwar, Assoc.Professor, Mr. C.V.Rambabu, Sr.Asst.Professor, S.Vandana, Ms.P.Sampurna Lakshmi & Dr. B.Raja Sekhara Reddy, Asst.Professors, attended Faculty development program on “Recent Trends and challenges in Deep Learning for Advancing Computer Vision 2024”, organized by Department of ECE in association with IEEE SPS Student Chapter, VNRVJIET, Hyderabad from 26th February to 1st March 2024.
- Dr.M.Hari Krishna, Assoc.Professor, attended Webinar on “Excellence in Peer Review: How to be an effective Peer Reviewer”, organized by Taylor and Francis Reviewer Network on 28th February 2024.
- Dr.M.Sreedhar, Professor, One Week International Short Term Training Program (STTP) on Comprehensive Cyber Security and Ethical Hacking, From Fundamental to Advanced Techniques Department of Computer Engineering and Technology, CBIT(A), Hyderabad, Telangana during 4th- 9th March 2024.
- Mr.S.Nagarjuna Chary, Asst.Professor, attended Faculty development program on “Recent Trends and Challenges in the Field of Embedded Systems organized by Department of ECE, VNRVJIET, Hyderabad from 11th-15th March 2024.
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- Dr.M.Hari Krishna, Assoc.Professor, attending NPTEL course on “Introduction to IoT”, organized by NPTEL from 22nd January to 22nd April 2024.
- Dr.C.Kiran, Assoc.Professor, attended Attending CSR Round Table event at T-Hub along with CSR Team Lead as Manager, VJ Hub, as the event is open to Incubators on 28th March 2023.

Faculty Achievements

- Ms.S.S. Bhaathi Sagi, Asst.Professor, submitted Ph.D Thesis on 04-01-2024 at Anna University, Chennai.
- Dr. Senthil Kumar, & Mr. S Nagarjuna Chary Assistant Professors in EIE Dept. deputed as judges for the Robotics Competition at VRS School on the 6th and 7th of January 2024.



Dept. Achievements

- Memorandum of Understanding (MoU) with Klvin Innovation Labs, Kondapur, Hyderabad, Telangana. For the period of 3 years

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
Dr K.Vidya Sagar, Professor	Surya Prasada Rao Borra, A. Geetha Devi, , K. Vidya Sagar, Sumalatha Madugula, Morsa Chaitana, Vutukuri Sarvani Duti Rekha	Novel design of volumetric antenna for wideband applications	International Journal of Theoretical and Applied Information Technology	Vol.102. No 3, pp.1250-1259	Feb 2024	1992-8645	Scopus
Dr K.Vidya Sagar, Professor,EIE	K. Vidya Sagar., CH.Suma , Surya Prasada Rao Borra, M.Sumalatha, Jammalamadugu Ravindranadh, Lakshmi Ramani Burra	Chronic Hepatitis-C detection interpretation using machine learning. algorithm and with clinical findings	International Journal of Theoretical and Applied Information Technology	Vol.102. Issue No 5, pp.2050-2058	March 2024	1992-8645	Scopus
Dr.M.Sreedhar Professor,EIE	Dr.Malleti Sreedhar, Dr.A. Bhujangarao, Dr.G. Nookaraju	Development of human machine interface for lubricant control system for thermal power plant turbine	International Journal of Vytapneni	Volume 12, Issue 3, pp.23-31	March 2024	1210-1389	-

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.S.Senthilkumar Assistant Professor	Dr.Senthilkumar Selvaraj, Ms.Adepu Sangeetha Laxmi, Mr.C.Avaneesh Ketan	Analysis of DC-DC Buck converter using Hysteresis Control	Fifteenth International Conference on Advances in Power Electronics and Instrumentation Engineering - PEIE 2024	---	Jan 26-27, 2024
Mr.P.V.Gopikumar Assistant Professor	P V Gopi Kumar, S Bhargav, Dr. R Manikandan, Salaka Sowmya, Parsi Gayathri	Touchless hand sanitizer dispenser - San Master	Fifteenth International Conference on Advances in Power Electronics and Instrumentation Engineering - PEIE 2024	---	Jan 26-27, 2024
Dr. K.Vijay Chandra Assistant Professor	U.Akankasha, K.Vijay Chandra	Corneal image segmentation using attention U-Net	4th IEEE International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024)	---	Jan 11th & 12th 2024
Dr. K.Vijay Chandra Assistant Professor	Dr. K.Vijay Chandra, Dr.K.Sudha Rani, C.V.Rambabu, S.Bhargav, Dr.Poornaiah Billa	A deep learning revolution: Using residual networks	4th IEEE International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024)	---	Jan 11th & 12th 2024
Ms.P.Sampurna Lakshmi Assistant Professor	P Sampurna Lakshmi. Manjula Sri Rayudu K.Bapuji	IoT based Fault Detection in Dusty Solar Panels using Modified DenseNet121	4th IEEE International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024)	---	Jan 11th & 12th 2024
Ms.D.Swetha Assistant Professor	D.Swetha , Harshita Sayala , Gudipati Sanjana Reddy, Pathapelly Jahnvi	Smart Refrigeration Management System Using Internet Of Things (IoT)	4th Fifteenth International Conference on Smart Data Intelligence (ICSMDI 2024)	---	Feb 2nd & 3rd 2024
Dr.R. Manjula Sri, Professor & Head	P Sampurna Lakshmi, S.Sivagama Sundari, R.Manjula Sri	Solar Panel fault analysis using regression models	4th International Conference on Artificial Intelligence and smart energy (ICAIS 2024)	---	22nd & 23rd March 2024

“Failure will never overtake us if our determination to succeed is strong enough.”
- Mahatma Gandhi

Books

Faculty Name, Designation & Department	List of Authors in the order that appears on the paper	Full title of the paper	Publisher	ISBN Number	Date/ Month/ Year of publication
Dr.S.Senthilkumar Assistant Professor	Dr.Senthilkumar Selvaraj	Industrial Robots: Design, Applications and Technology	AG Publishing House	9788196754877	Jan 2024

Book Chapters

Faculty Name, Designation & Department	List of Authors in the order that appears on the paper	Full title of the paper	Publisher	ISBN Number	Date/ Month/ Year of publication	Indexed
Dr.S.Senthilkumar Assistant Professor	P. Suresh, U. Saravana kumar, S. Senthil kumar, M. Suganthi, T. Aravind, and V. K. Buvanesvari	Biomedical and Healthcare Applications of Nanorobots	"Robotics and Automation in Healthcare- Advanced Applications" Frontiers of Mechanical and Industrial Engineering Apple Academic Press pp.259-280	978-1-77491-379-6	March 2024	SCOPUS (Taylor & Francis)

"Leadership and learning are indispensable to each other."

-John F. Kennedy

