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

➢ E.Akhil of IV year and S.Vinay Kumar of II Year have secured first place in Men's Basketball in the National Level Inter-College Tournament for Men & Women at Anurag Group of Institutions, Ghatkesar, Medchal District conducted from 5th-6th Jan 2018.

➢ S.Sriya of I year has secured first place in Women's Basketball in the National Level Inter-College Tournament for Men & Women at Anurag Group of Institutions, Ghatkesar, Medchal District conducted from 5th-6th Jan 2018.

➢ Mr.Vishal Gujja of IV Year and Ajay Sidduri of I year have secured first place in the cricket tournament in the National Level Inter-College Tournament for Men & Women at Anurag Group of Institutions, Ghatkesar, Medchal District conducted from 5th-6th Jan 2018.

➢ K.Samuel Morris (17071D8803) has presented his project "Sensor Based Measurement Systems" at Show and Tell on 17th Feb 2018.

➢ Mohana Krishna(17071D8804)) has presented his project "Latest Trends in Home Automation" at Show and Tell on 17th Feb 2018.

➢ P.A.Ramvardhan and K.Navya Sushmitha stood as winners at Open House 2018 held from 12-13th march 2018 at VNR VJIET.

➢ S.Sriya, (17071A10B1) has secured first place in Women's Basketball in the National Level Inter-College Tournament for Men & Women at Mahindra Ecole Centrale College of Engineering, Bhadurpally, Jeedimetla conducted from 16th-18th March 2018.

➢ E.Akhil, (14071A1014), S.Vinay Kumar,(16071A1048),V.Manideep,(16071A10B6),A.Sai Varma, (16071A1002) stood as Basketball men winners in the National Level Sports and Games Competitions held at Gudlavaleru Engineering College from 14th-17th Feb 2018.

➢ S.Sriya, (17071A10B1) stood as Basketball Women's runners in the National Level Sports and Games Competitions held at Gudlavaleru Engineering College from 14th-17th Feb 2018.

➢ S.Sriya, (17071A10B1),B.Deepika (17071A1015) have secured first place in Women's Basketball in the VIII State Level Inter Engineering College Sport Meet for Women's held at G.Narayanamma Institute of Technology & Science, Shaikpet, Hyderabad.

➢ Ms. Swathi. Anandan of ACORN Embedded Systems Pvt. Ltd. interviewed final year students of EIE and selected 8 students into their organization for project work on 04-01-2018

Students Achievements (Contd.)

➢ The following are the Posters Presented in Open House-2018 during 12th -13th March 2018 :-

S.NO	PROJECT TITLE	AUTHORS
1	HOLOGRAM TECHNOLOGY IN CLASSROOM	CH.Murali,K.Pramod chakravarthy,B.Harsha Vardhan
2	SELF WATERING PLANTER EMPLOYING CAPILLARY ACTION WATER TRANSPORT MECHANISM	S.Sudha,S.Shravani,K.Bindu pallavi
3	GESTURE CONTROL ROBOT	K.Sreya,N.Sravya,P.NagaSreeja,R.Bhargavi
4	DINE TRAIN	Amulya .Ganti
5	CHROMA (LIMITLESS CREATION)	M.Abhinav,P.Tharun
6	INTERPLANETARY ROVER	Vineeth Reddy, K.Mahendar. M.Sai Krishna
7	PLC BASED AUTOMATIC CAR WASHING SYSTEM	S.Sai Sravya,G.Lakshmi Sindhuja,A.Lekha Reddy,R.Nitya
8	AUTOMATIC ENGINE LOCK BY ALCOHOL DETECTION	T.Sanjana Pooja Sri,G.Lakshmi Dhatri,A.Rajitha,R.Anusha
9	WEATHER STATION	M.Akash Reddy,D.Sai Teja,K.Bhargav,K.Shylesh
10	RAIL TRACK DAMAGE DETECTOR	C.Aditya Raj,Balusa Harideep,V.Raj Kumar
11	HYDROBOT	K.Sai Praveena,K.Aanchal,T.Sri Varshini,P.Sriya
12	CORN ROASTER	K.Damodar Darshan,B.Srikanth
13	SCINODE(SMART CROP IRRIGATION ON DEMAND)	C Srichakrapani,K Venkatalakshmi,R Bhargavi
14	SAMAI(SMART APPLIANCE MANAGEMENT THROUGH ADVANCED INOVATIONS)	Ibadulla Baig,Tejas S.Shah,V. Sameera Prathyusha
15	SUBHRA(SMART UPGRADED BROOM FOR HOMES USING ROBOTIC ASSISTANCE)	A.K.S. Hemanth,D.V.S. Rishitha
16	SMART ATTENDANCE SYSTEM	Kishore, Shashank, Bhargav Vardhan, Avinash, Nikhil
17	AUTOMATIC IRRIGATION SYSTEM	P. Swetha, Mohd Aijaz Ahmed, Manoj Kumar, T. Meghana, K. Pranitha

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

Seminars/Workshops/Training Programmes

➢ Internship Training for IV-year students has been conducted in the second half of the semester (Feb -April 2018).

➢ Design Thinking Certification Programme through Idea Labs for III Year B.Tech EIE students was conducted from 09/03/18 to 14/03/2018 by Mr. Avneesh Bhatnagar, Product Leader-CA Technologies, Ms. Shweta Verma, Design Lead-CA Technologies, Mr. Mukesh Marodia, Product Leader-Informatica, Mr. Ramesh Swaminathan, Product Leader-Informatica, Mr. Srikanth Rangavajhala, Senior Product Design Practitioner.

➢ Training Programme on Engineering Applications for IV EIE Students from 26/02/2018 to 18/04/2018 conducted by Experts from M/s.ACORN Embedded Systems, Hyderabad.

➢ Interaction session is organized for III & IV Year EIE Students and faculty members on "Functional near Infrared Spectroscopy (fNIS)", by Dr. Tong Boon Tang, Associate Professor, Universiti Tecknologi, Petronas, Malaysia on 09-03-2018.

➢ Interaction session has been organized for faculty members of ECE & EIE on "Seizure Predictability and Study of sudden unexpected death in Epilepsy using machine learning and Association Measures", by Dr.Bharat K Karumuri (USA).

➢ Psychological Counselling Session for of I, II &III Year EIE students is organized by "Roshni", a voluntary Organization, they will give lecture on "Stress, Distress, Suicidal tendencies tensions, isolations, Frustrations, Failure Problems & Financial Problems etc.", by Dr.Jyothi Priya, Psychiatrist on 15-03-2018.

➢ Campus Automation Orientation session was conducted in the department for Teaching & Non-Teaching Staff by Mr.G.Ramesh.

➢ Seminar organized for faculty members on "Electronic Warfare", by Sri Prem Chand, MD, SorokaSoft India Pvt. Ltd. on 17-02-2018.

➢ Conducted Knowledge Sharing Session on Instructional Design and Delivery Systems for Staff and Students by Madhusudhan Kulkarni, S.Bhargav & B.Supraja, Asst Professors, EIE Dept. during 20th-22nd Feb 2018.

"It always seems impossible till you do it."   **-Nelson Mandela-**

Guest Lectures Organized

➢ The Department of Electronics and Instrumentation Engineering has organized a guest lecture on "Process control Instrumentation" on 27th January 2018, for III B.Tech EIE-I & EIE-II students to educate them about Role of Instrumentation Engineers and Career Opportunities in Process Industries. The Resource person for the session is Mr. Yogesh Kumar Bhatnagar, Senior Control & Instrumentation Engineer, at Worley Parsons India Ltd, Singapore (Hyderabad branch).

➢ Organized guest lecture in the department on "Relevance EI engineers in process and manufacturing Industry" by Mr. D.Ravindranath, Former Associate Vice President Engineering & Amp; Projects , Vedanta Aluminum Limited, Lanjigarh, Orissa for II EIE – A & B section students on   29-01-2018.

➢ Organized guest lecture in the department for III Year EIE Students on "A Walk - Through IoT Architecture Protocols, case studies & Idea-Prototype -Product", by Dr.S.V.Srikanth, Principal Technical Officer, CDAC, Hyderabad on 21-03-2018.

➢ Department of EIE has conducted a guest Lecture for III & IV Year B.Tech EIE,ECE,EEE,CSE & IT Students on "Seizure Predictability and Study of sudden unexpected death in Epilepsy using machine learning and Association Measures", by Dr.Bharat K Karumuri (USA) on 15-03-2018.

"Perseverance is failing 19 times and succeeding the 20th." -Julie Andrews

Faculty Participation

- G.Vamsi Krishna & N.Akshay, Asst. Professors along with 5 final year students went to M/s. ACORN Embedded Systems Pvt. Ltd. for student's industry projects.
- Dr.R.Manjula Sri, Assoc.Professor & Head , S.Pranavanand, Assoc.Professor, P.V.Gopi Kumar, Asst.Professor, EIE Department visited SOROKASOFT INDIA PVT LTD, Hyderabad to discuss on Student's Projects and Internships on 09-01-2018.
- Dr.R.Manjula Sri, Assoc.Professor & Head attended an event on "MAKE-A-THON- organized by IEEE VNRVJIET as jury member on 10-01-2018.

- G.Nageshwar, Assoc Professor, attended Saarang Programme at IIT, Chennai, during 10th-14th Jan 2018.
- Dr.C.Kiran, Assoc Professor, has participated in a National Seminar on "Setting Technological Standards and Strategy for Higher Education", Organized by Centre for Education Beyond Curriculum(CEDBEC) on 1st and 2nd Feb 2018 at CHRIST (Deemed to be University) Bengaluru.
- Dr. K.Vidya Sagar, S.Pranavanand, Dr.C.Kiran, K.Sudha Rani and V.Nareshwar have attended one-day workshop on "How to Write Good Project Proposals" on 23-02-2018.
- J. Jyothirmai, D. Srilaxmi, P. Sampurna Lakshmi, D. Swetha have attended a "Minutes of Knowledge Sharing Session" on "INSTRUCTIONAL DESIGN AND DELIEVERY SYSTEMS" from20th-22nd Feb 2018 at National Instruments Academy Lab.

"It always seems impossible till you do it."   -Nelson Mandela-

Research and Development (R & D)

S. No.	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 publica-tion
1.	D.Swetha, Asst.Professor	Dr.R.Manjula Sri, P.Sampurna lakshmi	Classification of Diebetic Maculopathy from Retinal Images	International Conference on Innovations in Electrical, Electronics, Power, Smart Grids & Advanced Computing Technologies (IEEPS-18)	Presented in this month	9th-10th march 2018
2.	K.Sudha Rani, Associate Professor	D.V.Shobhana D.Sri Laxmi	Tumor detection from memograms using thresholding and morpholocical operation	International Conference on Innovations in Electrical, Electronics, Power, Smart Grids & Advanced Computing Technologies (IEEPS-18)	Presented in this month	9th-10th march 2018
3.	D.Sri Laxmi Asst.Professor, EIE	S.Bhargav, P.V.Gopi Kumar	Non-Invasive Blood Flow Measurement using PPG	International Journal of Creative Research Thoughts -2018	Volume 6, Issue 1, Page No-413-418	January - 2018

"Good, better, best. Never let it rest till your good becomes better and better becomes best."   - St. Jerome-

"Formula for success: rise early, work hard, strike oil." -J. Paul Getty

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Message from HOD

A curriculum for understanding is intentionally designed following the organizing principles and essential concepts of the domain and provides opportunities for in-depth exploration in a variety of contexts. Such a curriculum emphasizes depth of understanding over breadth of coverage. It is designed to provide genuine opportunities for high-quality instruction and multiple points of entry into fields of engineering. For that the workshops conducted are CRT Classes on C, Data Structures, JAVA, Robotics, Training programme on "PCB Design Layout" using KI-CAD Software", "CLAD" , "SQL" , "PLC SCADA" Certification Course. The interest levels of students were high and we planning to go more advanced thereby conducting more innovative training programs.

Dr. R. Manjula Sree
HOD: EIE

Students Achievements

- BANALA KUSHAL REDDY (14071A1067) of IV Year EIE-2 Student has scored All India GATE Rank – 617.
- S. Sai Sravya (14071A1013),G. Sai Chandu (14071A1021) and L. Sai Krishna(14071A1028) have presented their project "Model Predictive Control for Complex Dynamic Systems" at SHOW and TELL on 19-04-2018.
- G. Vishal (14071A1022), S. Santhosha(14071A1043) and V. Rishitha (14071A1054) and V.Rishitha (14071A1054) have presented their project " A 3D Printer Prosthetic Leg" at SHOW and TELL on 19-04-2018.
- Ch.Sowmya (14071A1010), Ch. Pavan Sai (14071A1011) and S.Sravanthi(14071A1046) have presented their project "Design and Fabrication of Zigbee Imparted Sugarcane Cutting Machine" at SHOW and TELL on 20-04-2018.
- Shaik Sohail Ansari(14071A1059), B.Bhargavi (15075A1001) and K.Shiva kumar(15075A1020) have presented their project "Non- Invasive Measurement of Glycemia" at SHOW and TELL on 21-04-2018.
- G. Lakshmi Sindhuja(14071A1027), Alekha reddy(14071A1030) and R.Nitya(14071A1041) have presented their project "Machine Intelligence for Identification of Endothelial Corneal Layer Diseases" at SHOW and TELL on 21-04-2018.
- Priyanka(14071A1003), Bhavana(14071A1017) and Shruthi(14071A1043) have   presented their project "Scada Based System for Dual Pressure Tank" at SHOW and TELL on 23-04-2018

" We must aim above the mark to hit the mark"-**Ralph Waldo Emerson**

Seminars/Workshops/Training Programmes

➢ Conducted an internship program for EIE IV year students during 2nd half of semester(Feb-April,2018).

➢ I year EIE students have attended an Inspirational Lecture on "The role of youth in fostering the development of India". by Sri. V.V. Laxminarayana, IPS on 07th April ,2018.

➢ Department of EIE organized Certification course on "Python Programming", for III Year II Section students of EIE, by Dr. Manish Jain, Corporate Trainer from IFDE Infotech, Indore, Madhya Pradesh during 9th-13th April 2018.

➢ Conducted a one-day workshop on "Scientific and Technical Drafting using LATEX ", in NI Lab (C-204), Dept. of EIE, VNRVJIET for M.Tech students on 12th June 2018.

➢ Department of EIE organized Certification course on "Python Programming", for III Year IISection students of EIE, by Dr. Manish Jain, Corporate Trainer from IFDE Infotech, Indore, Madhya Pradesh during 11th-15th June 2018.

➢ Department of EIE organized Certification course on "Python Programming", for II Year I Section students of EIE, by Dr. Manish Jain, Corporate Trainer from IFDE Infotech, Indore, Madhya Pradesh during 18th-22nd June 2018.
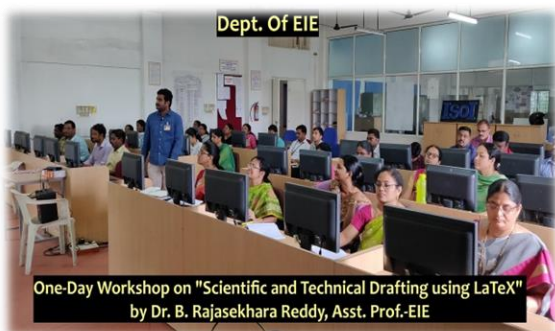
➢ Department of EIE organized Certification course on "Python Programming", for IIYear II Section students of EIE, by Dr. Manish Jain, Corporate Trainer from IFDE Infotech, Indore, Madhya Pradesh during 25th-29th June 2018.

➢ Department of EIE organized a one-day workshop to the faculty members of all departments on "Scientific and Technical Drafting using LATEX ", by Dr.B.Raja Shekhara Reddy, Asst. Professor, EIE.

Faculty Participation

➢ Dr. Chakravarthula Kiran, Assoc.Professor, EIE visited ALEAP and interacted with its President Mrs. K Ramadevi, along with Dr. N. Sandhya and Dr.G. Ramesh Chandra. As a part of the visit, he went to Lyophilization Systems India Pvt. Ltd., Sirius Solar Energy Systems Pvt. Ltd. and a Biotech company. Students who won the recent Idea Pitch competition held by ALEAP on 10th March 2018 at VNRVJIET also accompanied. III B.Tech. (EIE) students Chaitanya Sesha Manoj Prathipati, Venkata Lakshmi Kundrapu, Krishna Sravya Mandavilli were among the winners who accompanied Dr. Kiran.

➢ Dr.C.Kiran, Assoc Professor attended 1-day Conclave "The 1st DOT" at T-Hub, as the SPoC at VNRVJIET for J-Hub on 27-04-2018.

➢ **Dr. K. Sudha Rani, Assoc. Professor, EIE completed her PhD Degree in Bio Medical Instrumentation.**

➢ International Day of Yoga-2018 celebrated in the department on 21st June 2018.

➢ Dr. Chakravarthula Kiran, Associate Professor, attended the launch of the 2-week certification programme, ORL Makers Garage 2k18 (OMG 2k18), at the Institute as the event's Coordinator.

➢ Dr. Chakravarthula Kiran, Associate Professor, attended the 6-week EXCITE Product Engineering Workshop being coordinated by the J-Hub as the SPoC for J-Hub activities at VNRVJIET.

➢ Dr.K.Vidya Sagar, Professor, attended workshop on "Induction Program for I Year Students", organised by JNTUH ,Hyderabad. During 17th-19th May 2018.

➢ Dr.C.Kiran, Assoc Professor, EIE Visited Vignana Jyothi Public School as a Resource Person along with Dr. Sandhya Nadella (Prof.-CSE) for a 1-day Design Thinking workshop to the teachers of VJPS on 08-06-2018.

➢ S.Nagarjuna Chary, Asst.Professor visited Automation Solutions for lab equipment verification and inspection.

➢ S.Nagarjuna Chary, Asst.Professor attended two day workshop on DCS/PLC by Yokogawa banglore during 14th-15th June 2018.

➢ S.Pranavand, Assoc Professor, attended Tech Fiesta 2018 at Capgemini, Gachibowli, Hyderabad on 14-06-2018.

➢ B.Goutam, Asst.Professor attended 6 day faculty development program on "Adoption of FOSS for effective Teaching & Learning in Engineering", at CMR College of Engineering & Technology, Hyderabad from 18th-23rd June 2018.

"One way to keep momentum going is to have constantly greater goals."
- Ralph Waldo Emerson-

Industrial Visits

➢ III year EIE-I students visited "M/s. Signode India Limited.," on 04-04-2018 .

➢ III year EIE-IIstudents visited "Precision Components Corporation" on 06-04-2018 .

➢ II year EIE-I and EIE-II students visited "unit D-2 Hindustan Coca- Cola Beverages, Hyderabad" on 06-04-2018 .

➢ III year EIE-I students visited "M/s. Clonz Biotech Private Limited" on 07-04-2018.

➢ I year EIE students visited "M/s. Indian National Centre for Ocean Information Services (INCOIS)" on 21-04-2018.

"Done is better than perfect." -Sheryl Sandberg

One-Day Workshop on "Scientific and Technical Drafting using LaTeX" by Dr. B. Rajasekhara Reddy, Asst. Prof.-EIE

Faculty Participation on Yoga Day

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Message from Faculty

It gives me immense satisfaction that next issue of EIE times is ready for the readers. A department Newsletter mirrors the success story of our students and act as a great medium to reach out to the outer world. It reflects upon the persistent and committed efforts made by faculty, staff and students for taking the institution one step ahead. Continuing the same tradition, this issue of EIE TIMES, reflects upon commendable contribution made by all members of our department in their fields of expertise as well as for the overall growth of the college. I congratulate everyone for their bit of service for the institution and do expect the same in times to come.

Dr. R. Manjula Sree
HOD: EIE

Students Achievements

➢ Shreya Iyer (15071A1044) of IV Year EIE Student got Internship in AIESEC, Damietta, Egypt.

➢ 10 students from IV Year & 2 students from III Year took part in Automation and SCADA, industrial automation application design conducted by "**SEIMENS**" on 2-7-18 to 6-7-18.

➢ PLVS. Adithya (15071A1034), Shreya Iyer (15071A1044), Sravan Hemchand (15071A1010), C.Aditya Raj (15071A1027), G.Sukesh (15071A1050) have presented their project "Garden Based Amigo (Plant Monitoring System)" on 16-08-2018 "" in "SHOW AND TELL".

➢ AKS.Hemanth (15071A1003), C.Sri Chakrapani (15071A1014), DVS.Rishitha (15071A1016) , P.ChaitanyaManoj (15071A1042), Ibadulla Baig(16071A1007) have presented their project "Kittance (Your Kitchen Assistant)" on 16-08-2018 "" in "SHOW AND TELL".

"You Are Never Too Old To Set Another Goal Or To Dream A New Dream."   **– C.S. Lewis**

Students Achievements (Contd.)

➢ M Krishna Sraavya (15071A1030), S Shravani (15071A1047), A Kanchana Valli (15071A1061), G Krishna Chaitanya (15071A1076),M Venkata Hardeep Reddy (15071A1090), MuddanaSahithi (15071A1092), Mamidala Sanjana (16075A1013) of IV Year EIE were selected for Siemens internship programme.

➢ Turlapati Sri Varshini(15071A1054), Sai WarshithaM(15071A10B0),of IV Year EIE were shortlisted for final skype interview with the MD of UXREACTOR.

➢ PothineniEswar Chandra (16071A1041),Velagapudi Pavani (16071A10B7),PosimreddySusvitha Reddy (17071A10A2) have presented their project "PROSTHETIC LEG" on 20-09-2018 in "SHOW AND TELL".

➢ PothineniEswar Chandra (16071A1041),Velagapudi Pavani (16071A10B7), have presented their project "3D Printing Technology for Biomedical Application" on 22-09-2018 in "SHOW AND TELL".

➢ Yoshika Talasila(18071A10B4), B.Deepika(17071A1015), S.Sriya (17071A10B1) of I & II Year Student participated in Basket Ball Women's Winner in Inter Engineering Collegiate Sports Fest for Men & Women (SREEVISION-2018) held at Sreeniddhi Institute of Science & Technology, Ghatkesar, Medchal.Dist on 15th-23rd Sep 2018.

➢ Yoshika Talasila(18071A10B4), B.Deepika(17071A1015), S.Sriya (17071A10B1) of I & II Year Student participated in Basket Ball Women's Winner in National Inter Engineering College Sports Meet (AURA-2018) held at CBIT, Gandipet on 18th-20th Sep 2018.

➢ BVSS.Sri Harsha (18071A1006) of I Year participated in Men's Cricket Winner in National Inter Engineering College Sports Meet (AURA-2018) held at CBIT, Gandipet.

Research and Development (R&D)

➢ Three Project Proposals from the department has been submitted to Science and Engineering Research Board (SERB) under Early Career Research (ECR) Award Scheme.

1) **Project Title:**Detection of Brain Tumor and 3D Printed Prosthetics from MR Images.
Principal Investigator: Dr.K.Sudha Rani

2) **Project Title:** Real Time Evaluation of Multi Model Based Control Strategies for MIMO Non-Linear System through SCILAB Interface.
Principal Investigator: Dr.RajaSekhara Reddy B

3) **Project Title:** Design and Development of Human Detection Rescue Hexapod Robot in Disaster Zones.
Principal Investigator: Dr.S.Senthil Kumar

"Reading Is To The Mind, As Exercise Is To The Body"   **– Brian Tracy**

Seminars/Workshops/Training Programmes

➢ Certification Course for III year students was held on 25th – 26th June 2018 on "Python training" by Mr.Manish Jain..
➢ A seminar on Ion Thruster by Akanksh was held for II year students on 16th Aug 2018.
➢ IV Year Students had visited to Vardaman College project demonstration on 23rd Aug 2018.
➢ Conducted Certification Course for EIE students on 1ST – 3RD August 2018 on "Internet of things" by M/s ORL Industries.

➢ A hackathon was held on "Internet of things" on "10th -11th Aug" for 4th year EIE students.
➢ Introductory and Demonstration session was held on "Virtual lab" for III year students in "Mrs. B. Sravanthi, Project Engineer, Virtual Labs, and IIIT Hyderabad "on" 21st Aug 2018".
➢ ISOI Association conducted "Fresher Day & Matrixing for I Year EIE Students" on "25-08-2018".
➢ A Talk on The Future of Work in the Era of Big Data and Artificial Intelligence" by Faculty members from the Arizona State University (ASU) in the USA for III Year students on 19th september 2018.
➢ Seminar on "**A practical approach in MATLAB" for** 1st year M.Tech students on 25th September 2018.

Guest Lectures Organized

➢ Organized Awareness Talk on**"The UES of Indian Navy"**, for the IV year EIE students by Captain P.C. Sekhar on 21.07.2018.
➢ Organized a guest lecture for III Year EIE-1 & 2 section students on "Role of Instrumentation Engineers in the Field of Life Sciences", under Bio-medical Instrumentation, the course of study during III B.Tech I Semester by Mrs. Vagula Mary Chandravathi, Professor, Dept. of Biology, Gannon University, Square Erie, Pennsylvania, USA.

Guest Lectures Organized (Contd.)

➤ Organized a guest lecture session that includes two sessions "Cardiovascular Physiology and Instrumentation used in the assessment of Health" and "Electrophysiology of Heart - An Introduction", on 23rd of July, 2018, for III B.Tech EIE-I & EIE-II to educate them about importance of Cardiovascular system, its functioning, instrumentation involved in physiological parameter measurement and their usage for Health Assessment. And importance of Electrophysiology of Heart and ECG analysis. The Resource people for these two sessions are Prof. Mary C. Vagula, from Gannon University, USA and Dr. Sudarshan Nelatury from Penn State University, USA.

➤ Organized a Guest lecture for II Year EIE Students of both section on "**Introduction to Solar Plant Installation**"by Mr. Sandeep. V, Founder of Ms. ArcedonSolars Pvt. Ltd. on 15ᵗʰ September 2018.

➤ Organized a Guest Lecture for III Year Students on "Cyber Crime and Forensics", by Mr. U.Ramamohan Rao, Superintendent of Police, Cyber Crime Department, CID, T.S, Hyderabad on 28-09-2018.

➤ Guest Lecture is Organized for III Year Students of EIE on **"Instrumentation in Oil & Gas Industries",** by Mr Yogesh Kumar Bhatnagar, Sr.Control & Instrumentation Engineer,WorleyParsons India Ltd in on 29-09-2018.
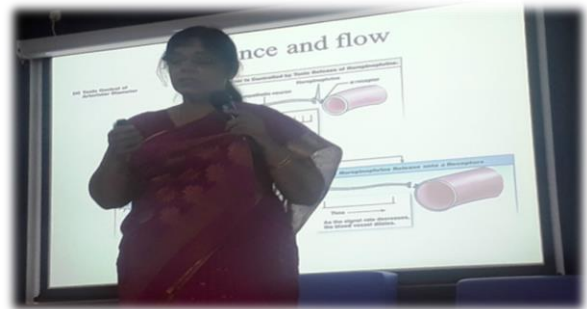
Faculty participation

➤ S.Vandana, D.Srilaxmi, S.Sampurna Lakshmi & S.Bhargav, Asst Professors of EIE attended 3-day Workshop on MATLAB organised by department of ECE in collaboration with Math works, Bangalore. From 29th-31st Aug 2018.

➤ Dr.R.Manjula Sri, Dr.K.Sudha Rani, M.Hari Krishna, Anitha Kulkarni , V.Nageshwar attended a seminar on "**A practical approach in MATLAB**" by Ms.Loren Shure is a principal MATLAB developer from the University of California, San Diego on 25-09-2019.

➤ V.Nageshwar, Assoc. Professor attended seminar on "**44ᵗʰ Anniversary Celebrations of ISOI Chapter's Foundation Day**", on 26-09-2018 in Department of Physics, University College of Science, Osmania University.

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24గంటల హ్యాకథాన్
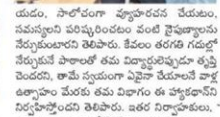
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Meditation Classes conducted on 21-08-2018

"Everyone lives by selling something."   **-Robert Louis Stevenson**

EIE Times

- Measure the power of Instrumentation -

Department of Electronics and Instrumentation Engineering

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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

The great aim of education is not Knowledge but action.

-Herbert Spencer.

As truly said in the quote, Education is always exciting but demanding to experience the new. It depends on range and complexity of choice that one makes to decide one's future. Today there is paradigm shift in the whole process of education and it is all about embracing the best of the skills and talents to compete with the word.

Our goal at VNRVJIET is to prepare students for the challenges and enable them with the skill set to face them confidently. The academic activities concentrate on helping the students to gain an excellent theoretical knowledge base and in the department skills to implant them. I am proud of significant accomplishments of our students and the results that the department of EIE has achieved. I wish the students a bright and scintillating future ahead.

Dr. R. Manjula Sree
HOD: EIE

Students Achievements

➤ Three Students from I & II year EIE have participated in Inter Collegiate Tournament in Badminton and Basket ball Events at MLRIT, Dundigal, Telangana, conducted on 5th and 6th Oct 2018 and got Runners in Badminton and Basket Ball.

➤ P. Juhi Mohan (18071A1044) of I-Year EIE-1 participated in " South India Inter University Badminton Championship" held at VIT University, Vellore, Tamilnadu State during 04-12-2018 to 06-12-2018.

➤ Mr. Vaibhav Vardhan Alumni student of EIE has given a guest lecture to II Year EIE Students on "Design Thinking", on 21-12-201 8 during 2:40PM to 3:40PM. 125 students were attended the lecture.

Seminars/Workshops/Training Programmes

➢ Organized a seminar for I-Year EIE students on "Introduction to the entrepreneurship skills" by Dr. R. Hafeez Basha (Japan) CTO & GOV Liaison, Station-H Corporation (non-profit) on 27-10-18.

➢ Department of EIE conducting a Workshop for IV Year EIE Students on "**Internet of Things**", in association with **M/S. ORL Industries**. As a part of the course it is planned to conduct a **Hack-A-Thon** event during 26-10-2018 at 5PM till 27-10-2018 at 5PM.

➢ Conducted 5-day Certification Course for IV Year EIE-2 section Students on "IoT Programming" during 08-10-2018 to 13-10-2018 for 69 students.

Resourse persons: Experts from **ORL Industries.**

➢ Department of EIE has organized a 3-Day workshop for faculty members on "**Technical Paper Writing**", by Dr.K.Sudha Rani, Assoc Professor, during 5th -8th Nov 2018 during 12:30pm to 2:30pm in MPMC Lab (C-205). 23 faculty members from EIE and 2 faculty members from ECE Attended the workshop.

"Be the change that you want to see in the world"   **- Mahatma Gandhi -**

Seminars/Workshops/Training Programmes(Contd.)

➢ Department organized one day Session on "WIT & WIL – Scenario Preparation – approval by industry expert" by Mr.M.Hari Krishna, Assoc.Professor, EIE and Mr.B.B.Shabarinath, Asst.Professor, ECE on 20th Nov 2018 at 2:00PM in Room No – C-204 (NI Academy Lab). 18 faculty members from the department attended the session.

➢ Organized Guest Lecture for II Year EIE Students on "Introduction to IoT and its Block Chain Application". By Mr.Dr.Manish Jain,Corporate Trainer, IFDE Info Tech. on 26th Dec 2018 at B-Block Seminar Hall.

Guest Lectures Organized

➢ Organized guest lecture for I Year EIE Students on "IT opportunities for Instrumentation students", by Ms. InturiReshmitha, HR, TCS on 04th December2018.

➢ Organized guest lecture for II Year EIE Students on "GATE", by Mr. Bandari Sandeep, from T.I.M.E institute on 05th December 2018.

Faculty Achievement

➢ **S. Pranavanand, Associate professor has completed his PhD on 31-12-2018.**

Faculty Participation

➢ Mr.Nageshwar, Assoc.Professor, attended one day seminar on ISOI chapter at Osmania University, Hyderabad on 04-10-2018.

➢ Dr.C.Kiran,Assoc.Professor, attended one day conference on third edition of Confluence 2018 Extreme Automation Conference at Green Park on 13-10-2018.

➢ Mr.M.Hari Krishna, Assoc.Professor attended one day Workshop on "Arduino for Electrical Engineers" at IIT Hyderabad on 27-10-2018.

➢ B. Madhusudhan Kulkarni, Asst.Professor, EIE got full time Ph.D admission in Centre for Human Diseases, Department of Biological Sciences at Birla Institute of Technology and Science, Pilani Hyderabad Campus.

➢ D.V. Shobana, Sr.Asst.Professor and J. Jyothirmai, Asst. Professor attended 3 day workshop on "Bio Medical Instrumentation" in CVR Engineering college from 01-11-2018 to 03-11-2018.

➢ D. Srilaxmi, Asst.Professor, EIE attended Faculty Development Centre (FDC) sanctioned by the Ministry we would be conducting Faculty Induction Programme for the teachers working in the field of Higher Education, under the Scheme of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT) held at Mahatma Gandhi National Council of Rural Education (MGNCRE), Hyderabad from 01-11-2018 to 29-11-2018.

➢ Dr.R.Majula Sri, Professor & Head,S. Vandana & H. Renuka, Asst. Professors, enrolled for IEEE Blended Learning program, a certificate course on "Embedded Computing for IoT Systems" from 4th November 2018 to 02nd February 2019.

➢ D. Srilaxmi, Asst.Professor, EIE attended Faculty Development Centre (FDC) sanctioned by the Ministry we would be conducting Faculty Induction Programme for the teachers working in the field of Higher Education, under the Scheme of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT) held at Mahatma Gandhi National Council of Rural Education (MGNCRE), Hyderabad from 01-11-2018 to 30-11-2018.

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Faculty Participation

- Mr.S.Pranavananad, Assoc.Professor, EIE attended International Conference on "Experimental Analysis of Novel Hybrid scheme for SFHTS", Organized by IEEE Malaysia Chapter & University Technology MARA, Malaysia during 14th-15th Dec 2018.

- Mr.S.Pranavananad, Assoc.Professor, EIE attended Research Review Presentation on "PRISM- A Novel Lowcost Device to EBB the Proliferation and Eradicate the Water Hyacinth Plants in Water Bodies", at DSIR, New Delhi on 20th Nov 2018.

- Dr.K.Sudha Rani, V.Nageshwar, Assoc. Professors and D.V.Shobana, G.VamsiKrishn&P.Gopi Kumar, Asst.Professors of EIE attending 2 - Months Course Presentation Skills on "Sharpen your saw in Effective Presentation Skill", organized by Department of H & S, VNRVJIET duration of the course if from 7th December to 7th February 2018.
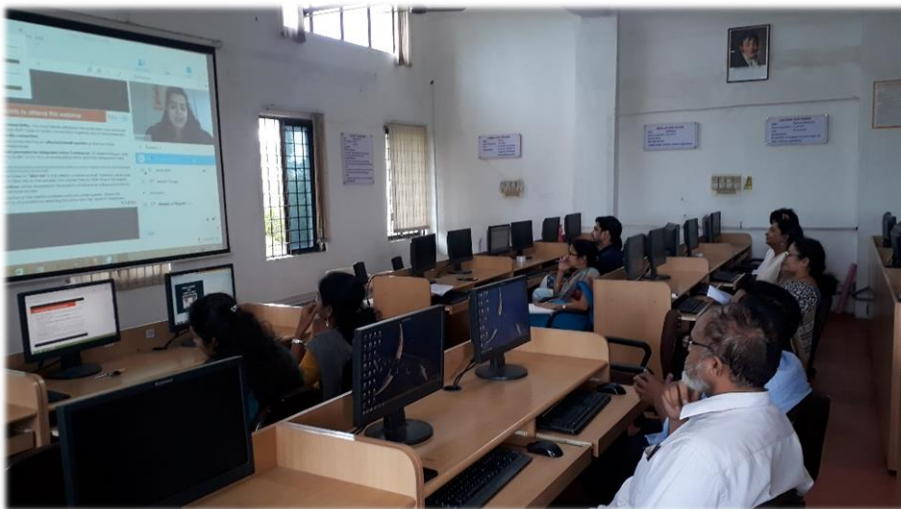
- Dr.K.Sudha Rani, Assoc Professor,attended International Conference on "Brain Tumor Detection using Supervisory Nearest Neighbor Algorithm", and "3D Tumor segmentation using Surface Rendering Technique", in ICCCS -2018 on 2nd Dec 2018.

- H.Renuka, Asst. Professor, Attended 6-days Faculty Development Program on "Real Time Embedded Systems and IoT; It's Applications" (RESIoT)", at Department of ECE, Vasavi College of Engineering (Autonomous), Ibahimbagh Hyderabad during *17th-22nd Dec 2018.*

- Dr. Chakravarthula Kiran, Associate Professor-Dept. of EIE, has delivered an Invite Talk on "IoT and Ethics" at JNTU-Hyderabad, as a part of the UGC-HRDC "3-week Refresher Course on Internet of Things" from 12:00 noon to 1:30 p.m.

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Industrial Visits

➢ Organized Industrial Visit for II Year EIE -2 Students to "M/s. Hindustan Coca- Cola Beverages, Hyderabad unit D-2, Survey No.169, Industrial Estate, 502319, Ameenpur, Miyapur, Ganesh Nagar, Ameenpur, Miyapur, Hyderabad" on 29-12-2018. II Year EIE – 2 students from 10:00AM to 12:00PM along with S.Nagarjuna Chary andS.Vandana, Asst.Professors , EIE visited the industry.

Research and Development (R&D)

➢ Mr. S. Pranavanand presented the proposal "A Novel Lowcost Device to EBB the Proliferation and Eradicate the Water Hyacinth Plants in Water Bodies", at DISR, New Delhi for funding under PRISM Scheme.
  • Funding Amount: Rs 17.03 Lakhs.
➢ Mr.S.Pranavananad, Assoc.Professor, EIE registered our Institute under Institute Innovation Council, MHRD, Govt, of India degrading "Formation of Institute Innovation Council at VNRVJIET", at AICTE New Delhi on 2nd Dec 2018.
➢ Mr.S.Pranavananad, Assoc.Professor, EIE has sucessfully defended his dissertation at JNTUH, Hyderabad on 31st Dec 2018.
➢ Mr.S. Nagarjuna Chary, Asst.Professor, got admission in Ph.D at Annamalai University.
  • Area of Speciation – Bio Medical Engg.
  • Guide Details - Dr.N.Vinoth, Asst.Professor, EIE, MIT Campus.
➢ Dr.S.Pranavanand, Assoc Professor, EIE has got Best Presenter Certificate for his paper entitled " Experimental Analysis of a Novel Control Scheme Developed for Single Fluid Heat Transfer System", in 2018 IEEE Conference on Systems, Process and Control (ICSPC2018) during 14th -15th Dec 2018 at Melaka, Malaysia.
➢ Mr. S. Pranavanand presented the proposal "A Novel Lowcost Device to EBB the Proliferation and Eradicate the Water Hyacinth Plants in Water Bodies", at DISR, New Delhi for funding under PRISM Scheme.
  Funding Amount: Rs 17.03 Lakhs
➢ EIE faculty have published a total of 4 papers in International Conferences and 7 papers in Reputed International Journals.

"Be the change that you want to see in the world" - Mahatma Gandhi -

"Be the change that you want to see in the world"   - Mahatma Gandhi -

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

S. No	Particulars of the Event	Beneficiaries	Date	No. of Participants	Impact of Program
1	BVSS Sri Harsha 18071A1006	Cricket Men's Team	23rd - 29th Dec 2018	01	Inter Collegiate Cricket at CVR College of Engineering, Hyderabad.
2	BVSS Sri Harsha 18071A1006	Cricket Men's Team	21st Jan – 27Jan 2019	01	ARENA inter Collegiate Cricket Tournament at BITS, Pilani, Hyderabad
3	V.Likhitha (16071A01057) C.Namratha (18071A1012) P.Juhi Mohan (18071A1044)	Badminton Tournament	24th- 25th Jan 2019	03	ARENA inter Collegiate Sports Fest at BITS, Pilani, Hyderabad
4	One day seminar	III Year EIE Students	19th Feb 2019	72	Interacted with III Year regarding GRE, CAT, JEE, NEET, UPSC available for e Learning	Online Learning for Competitive Exams after the degree

"A leader is one who knows the way, goes the way, and shows the way- John C. Maxwell

5	Spoorthi-2019, A National Level Technical Symposium at JNTUH, Hyderabad.	III Year EIE Students	13th-14th March 2019	06	Students have participated in different events and got participation certificates. they have been conducting SPOORTHI, the National Level Technical Symposium, for the last 12 years and it has been a highly successful event.
6	Innovation on Clinic Contest at CMIT, Bangalore.	III EIE B.Tech Students	16th March 2019	03	The Innovation Design Clinic (IDC) challenges of engineering college students to become entrepreneurs of their knowledge, skills and research applications. Partner organizations and/or corporations play a vital role by helping the student gain real-world experience and skills that will carry them into their future careers, while the partners also get solutions to their own engineering needs.
7	JNTUH Central Hackathon BOOT CAMP round -2 at JNTUH, Hyderabad.	II EIE B.Tech Students	16th-18th March 2019	03	J-Hub at JNTUH will conduct on regular basis the Hackathon events based on the Challenges posed by the Industry and Startups for the stakeholders in the form of a league events. This is in extension to the regular inspirational talks and hackathon events held locally in the institutions i-Cells with the support through J Hub NEN (National Entrepreneurship Network) MoU.
8	Asia International Model United Nations Conference in Bali, Indonesia	III Year EIE student	22nd -25th March 2019	01	Durga Tejaswi Gubbala (16071A1011) attended Model United Nations Conference successfully at Indonesia.

"I can't change the direction of the wind, but I can adjust my sails to always reach my destination .- Jimmy Dean

9	Basket Ball Men Winner at Vignana Bharathi Institute of Technology, Hyderabad.	III Year & I Year EIE Student	8th -9th March 2019	03	V.Manideep (16071A10B6) A.Sai Varma (16071A1002) C.Abishek (18071A1014)

➢ Durga Tejaswi Gubbala (16071A1011) student of III Year EIE-1 is going to attend Asia International MUN in Bali, Indonesia, that is being conducted from 22nd March 2019 to 25th March 2019.she got financial aid from the institute to attend Asia International MUN in Bali, Indonesia.

Dr.C.D.Naidu, Principal, presenting a cheque to Ms. Durga Tejaswi Gubbala
to attend Asia International MUN in Bali, Indonesia.

➢ Samuel Morris, II Year M. Tech Student presented conference paper titled "Improvement of Boilers efficiency by auto combustion control using Ratio Control", in 2nd International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-19) held at NIT Warangal during 15th-16th February 2019 and also got Best Paper Award and received appreciation certificate from Prof. Karimi, from national university, Singapore.

"You can never cross the ocean until you have the courage to lose sight of the shore.."   **- Christopher Columbus**

➢ Sherya Iyer (15071A1044) of IV Year EIE got certificate of academic excellence for outstanding preformance from VNR VJIET in curricular activities as nominated by her this institute , at global education fair, hyderabad duri ng 26th febaruary 2019.

➢ K. Meher Abhijeet (15071A1081) of EIE student had secured GATE – 2019 All India Rank 55.

"There is only one way to avoid criticism: do nothing, say nothing, and be nothing- **Aristotle**

> Durga Tejaswi Gubbala (16071A1011) student of III Year EIE-1 attended Asia International Model United Nations Conference in Bali, Indonesia, that is being conducted from 22nd March 2019 to 25th March 2019.

Publications

S. No.	Student Name, & Roll No.	List of Authors in the order that appears on the paper	Full title of the paper	In which the paper published	Impact of Program
1.	Samuel Morris, II Year M.Tech	Dr.K.Sudha Rani	Improvement of Boilers efficiency by auto combustion control using Ratio Control	2nd International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-19) at NIT, Warangal	Presented paper in the conference and got Best Paper Award and receive appreciation certificate from Prof. Karimi, from National University, Singapore.

Faculty Achievements

> Dr.K.Sudha Rani, Assoc. Professor has reviewed journal paper titled "Comparison of Electrogastrogramsin Seated and Supine Position using Wayland Algorithm to evaluate Motion Sickness Induced by Stereoscopic Movies of Special Issue", in Journal of Advance in Science , Engineering and the chology and Engineering System journal (ASTESJ), ISBN: 2415-6698 on 19th Jan 2019.

> Dr. Chakravarthula Kiran, Associate Professor, went to Care Hospitals to discuss MoU and terms thereof, in the context of writing a research proposal for Women Technology Park (WTP) on 14-03-2019.

> Dr.K.Sudha Rani, Associate Professor attending One Week Short Term Course on "Advances in Additive and Digital Manufacturing" Sponsored by Ministry of Human Resource Development (MHRD), Govt. of India Under the Scheme 'GiAN' by Dept. of

Mechanical Engineering ,University College of Engineering, Osmania University, Hyderabad, Telangana- 500 007 during 25th to 29th March 2019.

➢ Dr.R.Manjula Sri, Professor & Head is going to attend IEEE Conference I2CT and presented paper titled "Exudates and Colour Analysis for the Detection of Diabetic Macular Edema", in 5th IEEE International Conferences for Convergence of Technology (I2CT 2019) being held during 29th -31st March 2019 ,organized by IEEE Bombay Section, at Pune.

➢ Dr. Chakravarthula Kiran, Associate Professor, has attended T-Hub Accelerators/Telangana Incubators Meet at MJCET's MJ Hub as a representative of VJ Hub, has invited him to attend the event on 26-03-2019.

➢ Dr. S.Pranavanand, Associate Professor, visited Visit to JNTU and MSME for funding proposal submission and discussion on 27-03-2019.

➢ Dr. Chakravarthula Kiran, Associate Professor, has attended the inaugural of the new office for Women Entrepreneurs Hub (WE Hub) in Dr. B.R. Ambedkar Open University premises. Mr. Varun Akhnoor, Senior Vice President-Incubation at WE Hub, has invited him to attend the event on 28-03-2019 as a representative of VJ Hub.

"Perfection is not attainable, but if we chase perfection we can catch excellence."

-Vince Lombardi

AWARENESS PROGREAMMES CONDUCTED FOR STUDENTS

S. No.	Details of the Event	Topic	Dates of event held	No. of Participants	Resource Persons (if any)
1		C & DS	3rd Jan 2019	55 students from II Year EIE	Swapna, Asst.Prof, CSE, T &P, VNRVJIET.
2		C & DS	4th Jan 2019	55 students from II Year EIE	Swapna, Asst.Prof, CSE, T &P, VNRVJIET.
3		Quantitative Aptitude,Reasoning Ability,Verbal Ability & Soft Skills	7th Jan 2019	69 students from I Year EIE	Suntek Corporation Solutions Team
4		IoT Training	9th Jan 2019	5 students from III Year EIE	G.Srinivas fromISACA
5		C & DS	11th Jan 2019	41 students from II Year EIE	Swapna, Asst.Prof, CSE, T &P, VNRVJIET.
6		Quantitative Aptitude,Reasoning Ability,Verbal Ability & Soft Skills	12th Jan 2019	18 students from I Year EIE	Suntek Corporation Solutions Team
7		C & DS	17th Jan 2019	18 students from II Year EIE	Swapna, Asst.Prof, CSE, T &P, VNRVJIET.
8	Training Course by Competency Development Centre (CDC)	Quantitative Aptitude,Reasoning Ability,Verbal Ability & Soft Skills	19th Jan 2019	10 students from I Year EIE	Suntek Corporation Solutions Team
9		Quantitative Aptitude, Reasoning Ability, Verbal Ability & Soft Skills	21th Jan 2019	51 students from I Year EIE	Suntek Corporation Solutions Team
10		C & DS	24th Jan 2019	76 students from II Year EIE	Swapna, Asst.Prof, CSE, T &P, VNRVJIET.
11		C & DS	25th Jan 2019	32 students from II Year EIE	Swapna, Asst.Prof, CSE, T &P, VNRVJIET.
12		Quantitative Aptitude, Reasoning Ability, Verbal Ability & Soft Skills	28th Jan 2019	51 students from I Year EIE	Suntek Corporation Solutions Team
13	Training Course by Competency Development Centre (CDC)	C & DS	31st Jan 2019	32 students from II Year EIE	Swapna, Asst.Prof, CSE, T &P, VNRVJIET.

14		Orientation Program-English Online Certification Course	11th Feb 2019	210	Resource persons from Oxford University Press
15		Oxford Achiever – English Online Certification Course	12th Feb 2019	34	Resource persons from Oxford University Press
16		Internet of Things	12th Feb 2019	06	G Srinivas Reddy – ISACA
17		Quantitative Aptitude, Reasoning Ability, Verbal Ability & Soft Skills	18th Feb 2019	67	Resource persons from Suntek Corporation Solutions Team
18		C & DS	28th Feb 2019	08	Swapna Asst,Professor, CSE, T & P, VNRVJIET.
19		C & DS	01st Mar 2019	07	Swapna Asst,Professor, CSE, T & P, VNRVJIET.
20	Training Course by Competency Development Centre (CDC)	C & DS	07th Mar 2019	105	Swapna Asst,Professor, CSE, T & P, VNRVJIET.
21		Quantitative Aptitude, Reasoning Ability, Verbal Ability & Soft Skills	11th Mar 2019	21	Experts from Suntek Corporation Solutions Team
22		B.Tech guru demo	13th Mar 2019	27	Satya from B.Tech guru.com
23		C & DS	14th Mar 2019	50	Swapna Asst,Professor, CSE, T & P, VNRVJIET.
24		C & DS	15th Mar 2019	28	Swapna Asst,Professor, CSE, T & P, VNRVJIET.
25		Blood Relations on Reasoning Ability, Verbal Ability & Soft Skills	16th Mar 2019	05	Experts from Suntek Corporation Solutions Team
26		Quantitative Aptitude, Reasoning Ability, Verbal Ability ,Soft Skills	18th Mar 2019	14	Experts from Suntek Corporation Solutions Team

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

Events Organized

➢ Guest Lecture is organized in the department for III Year EIE Students on "BIOMEDICAL SIGNAL PROCESSING" by Dr. C.B.Rama Rao, Professor, Dept. of. ECE, NIT Warangal on 24-01-2019 at 2:30PM to 4:00PM

➢ Department of EIE in Association with ISOI Students chapter organized two day workshop on "DSP hands on session", for III Year EIE-1 Students during 27th-28th March 2019 in C-207 (ADSP Lab of ECE Dept.)

"Perseverance is failing 19 times and succeeding the 20th." -Julie Andrews

Faculty Participation

- The following faculty members from the department attended Two Day Workshop on "IoT & Drones", 26th to 27th Jan 2019.

1. C. Venkata Rambabu   Sr.Asst.Professor
2. K. Ranga Sai   Asst.Professor
3. D. Srilaxmi   Asst.Professor
4. P. Sampurna Lakshmi   Asst.Professor
5. S. Bhargav   Asst.Professor
6. B.Goutham   Asst.Professor
7. Dr.B.Raja Shekar Reddy   Asst.Professor

- Dr.R.Manjula Sri, Professor & Head, attended and presented paper in 4th International Conference on Recent Challenges in Engineering and Technology (ICRCET-18) held at Annamacharya Institute of Technology & Sciences, Tirupati (AITS-T) during 31st Dec - 1st Feb 2019.

Paper titled: Analysis of Retinal Blood Vessel Segmentation in different types of Diabetic Retinopathy.

List of Authors : Dr.R.Manjula Sri, Professor & Head

Smt. J.Jyothirmai, Asst.Professor

Smt. D.Swetha, Asst.Professor

"It always seems impossible till you do it."   -Nelson Mandela-

Research and Development (R & D)

S. No.	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 publica-tion
1.	Dr.R.Manjula Sri	J.Jyothirmai, D.Swetha	Analysis of Retinal Blood Vessel Segmentation in different types of Diabetic Retinopathy	4th International Conference on Recent Challenges in Engineering and Technology (ICRCET-18)	-	31st Jan – 1st Feb 2019
2.	Dr.K.Sudha Rani	Samuel Morris	Improvement of Boilers efficiency by auto combustion control using Ratio Control	2nd International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-19)	-	15-16 Feb 2019
3.	Dr.R.Manjula Sri	J.Jyothirmai H.Renuka	Exudates and Colour Analysis for the Detection of Diabetic Macular Edema	5th Fifth IEEE International Conferences for Convergence of Technology (I2CT 2019) organized by IEEE Bombay Section, at Pune	-	29th -31st March 2019

"Good, better, best. Never let it rest till your good becomes better and better becomes best."   - St. Jerome-

Industrial Visits

MYLAN Laboratories Limited company

➢ Department is organized Industrial visit for III Year EIE-1 students to M/s. Mylan Laboratories Limited (Unit-2, Astrix), Gaddapotharam, Ranga Reddy, Hyderabad. on 25-01-2019. 69 students accompanied by 5 faculty members in two batches from the department.

➢ Batch -1 of 29 students accompanied by Mr. K,Vijay Chandra and Mr.K.Ranga Sai, Asst.Professors.

➢ Batch -2 of 31 students accompanied by Mr.K.Nagarjuna Chary, Mr. G.Vamsi Krishna and Mr.S.Bhargav, Asst.Professors

➢ Students of Electronics and instrumentation engineering III-II sem (A-section) visited MYLAN Laboratories Limited company on 25-01-2019, total class 69 no's visited company in two batches. Students are able to understand the complete concepts of instrumentation in mylon company ltd. plant director addressed the students to brief about the mylon company and two Engineers are assigned for two batches. Students visited manufacturing site and Quality assurance site in two batches. brief explanation of each equipment by the experts are very helpful to the students, Process control subject, AI subject concepts are thoroughly used in mylan industry. Students are able to cope up all the concepts related to their subject. It is very useful to the students to get complete knowledge on plant and instrumentation role in industry.

Hindustan Coca- Cola Beverages, Hyderabad

➢ Industrial Visit is organized for II Year EIE -1 Students to "M/s. Hindustan Coca-Cola Beverages, Hyderabad unit D-2, Survey No.169, Industrial Estate, 502319, Ameenpur, Miyapur, Ganesh Nagar, Ameenpur, Miyapur, Hyderabad" on 28-03-2019.

➢ II Year EIE – 1 students from 10:00AM to 12:00PM along with S.Nagarjuna Chary and S.Bhargav, Asst.Professors , accompanied the students. 66 students have visited and got exposure on automation involved in making of solvent, cleaning of glass bottles and manufacturing of plastic bottles from sample holders, packing unit and many other modules and systems. Students got benefitted by detailed explanation on complete unit by their representative.

BoS Meeting

➢ 9th Board of Students (BoS) meeting held in the department of EIE on 24-01-2019 at 10:30AM in Room No- B-221.

EIE Times

- Measure the power of Instrumentation -

April to June 2019
Volume 04   Issue 02

Department of Electronics and Instrumentation Engineering

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

S. No	Particulars of the Event	Beneficiaries	Date	No. of Participants	Impact of Program
1	High Intensity Training Program for 2020 batch organized by T& P Cell.	All 3rd year Students	8th-25th May 2019	90 students from EIE-1 &2 Sections	Experts from PACE Academy, Lakdi Ka Pool-Khairatabad, Hyderabad
2	3-day Programme on IGNITE 2019 at J-Hub in JNTUH,Hyderabad	I Year EIE Students	26th - 28th June 2018	02	Students are exposure and learnt to different level of Channels for candidates proposing to to start their own enterprises.

"A leader is one who knows the way, goes the way, and shows the way- John C. Maxwell

Publications

S.No	Student Name, & Roll No.	List of Authors in the order that appears on the paper	Full title of the paper	In which the paper published	Impact of Program
1	MD.Yaseen Baig, , II Year M.Tech E & I	MD.Yaseen Baig, Naregalkar Akshay	MC-Based Topology for Bi-Directional Power Flow between EV Charger and Grid	International Journal of Research and Analytical Reviews	Presented paper in International Journal with indexed in Google Scholar (UGC Journal Number 43602)

> Greeshma Nethrika Boini (17071A1021), a student of II B.Tech. (EIE) receiving the Best Student Celebrity Award at UnderGrad Summit 2019 conducted by stuMagz at Shilpa Kala Vedika, Hi Tech City , Madhapur, Near Cyber Towers, Hyderabad on 30th March 2019.

> Vulugundam Sai Krishna Siddhant (17071A1056) a student of II Year EIE along with the Team has Won First Price and Topped in the J -Hub Hackathon at Jawaharlal Nehru Technological University Hyderabad on 30th March 2019 .

Events Organized

S. No.	Title of Certificate Course	Pre-requisite	Benefits	Targeted students	Dates & Duration of the Course (no. of days)	Course Fee Rs.	No of Particip-ants to whom certificate issued
1	Certification Course	Certificated LabVIEW Associate Development (CLAD)	Students	IV Year Students	8th-18th June 2019	5000 per head	17 students attended.
2	Certification Course	Certificated LabVIEW Associate Development (CLAD)	Students	IV Year Students	19th-29th June 2019	5000 per head	21 students attended.

"I didn't fail the test. I just found 100 ways to do it wrong.."   - Benjamin Franklin

➢ Evaluation of Course Based Projects of PDC and ECA Labs of EIE Department by Mrs.N.Aruna Kumari, Asst.Professor, ECE on 02-04-2019.

➢ Certificate course for IV Year EIE Students on "Certified LabVIEW Associate Developer (CLAD)" from 04th-14thJune 2019, Mr. Jaithesh, trainer from Training partner of M/s National Instruments, Bangalore. 16 Students attended this course.

➢ Certificate course for IV Year EIE Students on "Certified LabVIEW Associate Developer (CLAD)" from 19th-24thJune 2019, Mr.Suresh, trainer from Training partner of M/s National Instruments, Bangalore. 18 Students attended this course.

Faculty Achievements

➢ Mr. C.V.Ram Babu, Asst.Professor, EIE got Ph.D (Part time) Admission in the department of Electronics and Communication at SJC Institute of Technology, Chickballapur, Karnataka.

Name of the Supervisor - Dr.B.N.Shoba

Research Topic - Reconfigurable Efficient Digital Down Converters Design and Application for Ultra Wide Band Technology using Optimal Re-sampling Filters

University - Visvesvaraya Technological University, Belagavi, Karnataka

"Perfection is not attainable, but if we chase perfection we can catch excellence."

-Vince Lombardi

Project Proposal Submitted by Faculty

S.No	Name of the faculty/College Name	Title	Amount
1	Dr. R.ManjulaSri(VNR) (PI) Dr.Tatiparti Padma (GRIET)(Co-PI)	IoT based alerting system for Asthma patients.	Rs.2,98,000/-
2	Dr.Tatiparti Padma (GRIET) (PI) Dr. R.ManjulaSri(VNR) (Co-PI)	Protective system for Geriatricpersons, Hypoglycemic and epileptic subjects from fall-injury with information transfer through IoT.	Rs.2,75,000/-
3	Dr. K.SudhaRani(VNR) (PI) Ms.K.ManiKumari(VCE) (Co-PI)	Sensor based Milk Adulteration Device	Rs.2,75,000
4	Dr. B.RajaSekhar Reddy(VNR) (PI) Mr.G.TulasiRam (SWEC)(Co-PI)	Real Time Implementation of Advanced Control Algorithm(s) on a Laboratory Scale Plant.	Rs.2,85,000/-

Two Project Proposals submitted to SERB from the department.

1. Dr.M.Sreedhar   Professor
2. Dr.K.Vidya Sagar   Professor

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

EIE Times

Newsletter

Faculty Participation

- J.Jyothirmai, Asst.Professor, EIE attened One Week Short Term Course on "Engineering Research Methodologies" from 15th to 20th April 2019 at Osmania University (OU), Hyderabad.
- Dr.C.Kiran, Assoc Professor attended SPoC meeting at J-Hub to discuss summer activities with J-Hub including but not limited to EXCITE 2019 and J-Hub Accelerator activities.
- Dr.R.Manjula Sri, & Dr.C.Kiran has interaction session with Mr.Pankaj Diwan, MD & CEO, Idealabs today in board room. Regarding training for students and making them hackathon-ready for various national and international competitions on blockchain.on 29th April 2019
- Dr.R.Manjula Sri, Dr.M.Sreedhar, Dr.K.Vidya Sagar & Dr.C.Kiran has interaction session with Prof. Sriram Jayasimha , Chairman - Signion Systems Private Limited today in board room on 29th April 2019 at 2:30PM.
- Dr.R.Manjula Sri, Professor & Head, attended Matlab Expo by Mathworks at Hyderabad International Convention Centre, Hyderabad on 30thApril 2019.
- Dr.C.Kiran, Assoc Professor attended and Represented VJ Hub at Mediko Startup Podium held at HITEX Exhibition Centre to introduce healthcare startups at VJ in a Panel Discussion on 03rd May 2019.
- Dr.R.Manjula Sri, Prof & Head, N.Akshay, Asst.Professor & P.V.Gopi Kumar, Asst. Professor attended 6 Days Faculty Summer Training Programme on Artificial Intelligence (AI) organized by Competency Development Center (CDC) of VNRVJIET from 13th – 18th May 2019 at VNRVJIET.

"Don't find fault, find a remedy." **-Henry Ford**

➢ S.Nagarjuna Chary, S.Bhargav & B.Goutam, Asst. Professors in the department attended 6 Days Faculty Summer Training Programme on Machine Learning (ML) organized by Competency Development Center (CDC) of VNRVJIET from 20th – 25th May 2019 at VNRVJIET.

➢ The following faculty members of EIE Dept. attended 6 Days Faculty Summer Training Programme on Machine Learning (ML) organized by Competency Development Center (CDC) of VNRVJIET from 20th – 25th May 2019 in Room No # A006.

      1) S.Nagarjuna Chary   Asst.Professor

      2) S.Bhargav   Asst.Professor

      3) B.Goutam   Asst.Professor

➢ The following faculty members from the department attended on "Embedded Systems & interfacing hands", organized by the department of ECE, VNRVJIET and NIT Patna from 10th -14th June, 2019 at E-CAD Lab (A-208) of ECE Department VNRVJIET.

      1) K. Vijay Chandra   Asst.Professor

      2) G. Vamsi Krishna   Asst.Professor

      3) J. Jyothirmai   Asst.Professor

      4) D. SriLaxmi   Asst.Professor

      5) P. Sampurna lakshmi Asst.Professor

"Strive not to be a success, but rather to be of value." -Albert Einstein

➢ The following faculty members from the department attended short term Course on "Introduction to Programming: A Pedagogical Approach", conducted by department of E & ICT Academy IIT, Kanpur from 17th – 21th,June, 2019 organized Dept. of CSE, VNRVJIET.

1) M. Hari Krishna   Assoc Professor
2) V. Nageswar   Assoc Professor
3) C.V. Rambabu   Sr.Asst.Professor

➢ The following Staff members from the department attending 5-Day Faculty Development Programmee-NKN Summer Course-2019 on "Robotics & AI", organized by the department of ECE, VNRVJIET from 24-28, June 2019.

1) Dr.M.Sreedhar,   Professor
2) Dr K Sudha Rani,   Assoc Professor
3) Anitha Kulkarni,   Assoc Professor
4) V Nageshwar,   Assoc Professor
5) D V Shobana,   Sr Asst Professor
6) K.Ranga Sai,   Asst.Professor
7) K.Vijay Chandra,   Asst.Professor
8) D.Swetha,   Asst.Professor
9) B.Goutam,   Asst.Professor
10) Dr B Rajasekhar Reddy,   Asst.Professor
11) Dr Senthil Kumar,   Asst.Professor
12) B.Bharath,   Computer Operator
13) P.Naresh Kumar   Sr.Skilled Asst.

➢ The following faculty members from the department attended 3-Day Workshop on "Outcome based Teaching and Learning", Organized by H & S Deapartment of VNRVJIET from 25-27th June, 2019.

1) Dr.K.Vidya Sagar   Professor
2) M.Hari Krishna   Assoc.Professor
3) Mr.C.V.Ram Babu   Sr.Asst.Professor

➢ Dr.C.Kiran,Assoc.Professor, EIE attended one day workshop on "Creativity and Innovation as Inseparable Twins",at T-Hub, IIIT-Hyderabad Campus, Gachibowli, Hyderabad on 26th June 2019.

➢ The following faculty members from the department attended 2-Day Workshop on "Technical Writing for the Faculty", Organized by H & S Deapartment of VNRVJIET from 28th-29th June 2019.

    1) P.V.Gopi Kumar   Asst.Professor

    2) D.Srilaxmi   Asst.Professor

    3) S.Bhrgav   Asst.Professor

➢ Dr.C,Kiran, Assoc.Professor, Attended 3-day Seminar on "IGNITE 2019", at J-Hub in JNTU-H , Hyderabad from 26th-28th June 2019

Faculty Publications

Conferences

S. No.	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	Date/ Month & Year of publications	ISSN No. / ISBN no.
1	K.Vijay Chandra, Asst.Professor	K.Vijay Chandra Dr.K.Vidyasagar Dr.SudhaRani	Machine intelligence for identification of Endothelial corneal layer diseases with novel morphology algorithm	IEEE International Conference on Intelligent Computing and Control Systems (ICICCS 2019)	15-17th May, 2019	ISBN - 978-1-5386-8113-8

"It always seems impossible till you do it."   -Nelson Mandela-

Journals

S. No.	Faculty Name, Designation & Department	List of Authors in the order that appears on the paper	Full title of the paper	Journal name	Volume, Issue, Page Numbers	Date/ Month & Year of public ation	ISSN No. / ISBN no.
1.	Dr.R.Manjula Sri, Professor & Head	R.Manjula Sri, J.Jyothirmai, D.Swetha	Analysis of Retinal Blood Vessel Segmentation in different types of Diabetic Retinopathy	International Journal of Engineering and Advanced Technology (IJEAT)	Volume-8, Issue-2S2,		ISSN: 2249–8958,
2	Dr.M.Sreedhar, Professor	M.Sreedhar ,M.Mohana Krishna	Wireless Power Transfer For Electric Vehicle Applications	International Journal of Research in Electronics and Computer Engineering (IJRECE)	Vol. 7. Issue 2	April-June, 2019	ISSN (ONLINE): 2348-2281 ISSN (PRINT): 2393-9028
3	Anitha Kulkarni, Assoc Professor	Anitha Kulkarni, T.Bharath Kumar	Design, development & implementation Of online machine vision based system For inspection of pharmaceutical Blister packs	International Journal of Research	Volume VIII, Issue VI, Pg,No-1082-1092	May-Junr 2019	ISSN NO:2236-6124
4	K.Vijay Chandra, Asst.Professor	K.Vijay Chandra	Confocal Corneal Endothelium Dystrophy's	Journal of Engineering science and Technology	-----	To Be Published	ISSN: 1823

"Formula for success: rise early, work hard, strike oil." -J. Paul Getty

S. No.	Faculty Name, Designation & Department	List of Authors in the order that appears on the paper	Full title of the paper	Journal name	Volume, Issue, Page Numbers	Date/ Month & Year of publication	ISSN No. / ISBN no.
			Analysis Using A Hybrid Algorithm				- 4690
5	K.Vijay Chandra, Asst.Professor	K.Vijay Chandra	Confocal Corneal Endothelium Dystrophy's Analysis Using Particle Filter	Journal of Engineering science and Technology	-----	To Be Published	ISSN: 1823 - 4690
6	Naregalkar Akshay, Asst.Professor	Naregalkar Akshay	Design And Implementation of Neonate Health Condition Monitoring Device	i-manager's Journal on Digital Signal Processing (JDP)	Volume 6 ,Issue 4 (Under Consideration)	To Be Published after final Review	ISSN Print : 2321-7480 ISSN Online: 2 322-0368
7	Naregalkar Akshay Asst.Professor	Naregalkar Akshay , Dr. D. Subbulekshmi	Design of Data Driven IMC-Fractional Filter PI Controller for Sewage Waste Water Process	Journal of Advanced Research in Dynamical and Control Systems	Volume 11, Issue 3 ,pp. 8-20	May 2019	1943-023X

EIE Times

- Measure the power of Instrumentation -

Department of Electronics and Instrumentation Engineering

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.

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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

S. No	Particulars of the Event	Beneficiaries	Date	No. of Participants	Impact of Program
1	Assessment Test conducted by Cocubes	IV Year Students	1st -5th July 2019	All final year Students	In association with T & P Cell of VNRVJIET

Students Placement Details:

- ➢ 11 students of EIE got selected in CTS
- ➢ 01 student of EIE got selected in Hexaware.

"I can't change the direction of the wind, but I can adjust my sails to always reach my destination .- Jimmy Dean

- Vaddamani Sameera Prathyusha (16071A10B4), of IV Year EIE has won **"DVS Raju Endowment Gold Medal - 2019" as the EIE Topper in Academics in Telangana State** from the Instrument Society of India (ISOI), Hyderabad Chapter on 23rd August 2019 at Matrusri college of Engineering, Hyderabad.

- **Societal Projects displayed by the Department of EIE to AICTE Team Visit on "Clean & Smart Campus Award", on 14-9-2019 at VNRVJIET.**

Student Association Activities

S. No.	Name of the student Association	Nature of event Conducted	Dates on which the event was held	Topic	No. Participated
1.	Orientation to NSS Activities	Clean and Green	14th Aug 2019	Cleaning and Plantation	All Ist Year Students

2.	Orientation to CCA in the Seminar Hall	ECA & CCA	16th Aug 2019	ISOI Chapter of EIE	For all Ist Year Students

AWARENESS PROGREAMMES CONDUCTED FOR STUDENTS

S. No.	Details of the Event	Topic	Dates of event held	No. of Participants	Resource Persons (if any)
1	Competency Development Centre	C 'Language	06th Aug 2019	49 students from 3rd Year EIE-1	K.Venkata Ramana Assistant Professor (CSE)
2	Competency Development Centre	C 'Language	13th Aug 2019	38 students from 3rd Year EIE-1	K.Venkata Ramana Assistant Professor (CSE)
3	Competency Development Centre	C 'Language	06th Aug 2019	42 students from 3rd year EIE-2	S.Swapna Assistant Professor (CSE)
4	Competency Development Centre	C 'Language	13th Aug 2019	42 students from 3rd year EIE-2	S.Swapna Assistant Professor (CSE)
5	Competency Development Centre	Machine Learning (Orientation Programme)	29th Aug 2019	40 Students from 3rd year EIE	B.Goutam Assistant Professor (EIE) Trained in Summer Faculty Training Programme
6	Competency Development Centre	C 'Language	03rd Sep 2019	III Year EIE 21 Students Attended	K.Venkata Ramana Assistant Professor (CSE)
7	Competency Development Centre	Machine Learning (Orientation Programme)	05th Sep 2019	III Year EIE 49 Students Attended	B.Goutam Assistant Professor (EIE)
8	Competency Development Centre	C 'Language	17th Sep 2019	III Year EIE 51 Students Attended	K.Venkata Ramana Assistant Professor (CSE)

"Perfection is not attainable, but if we chase perfection we can catch excellence."

-Vince Lombardi

Faculty Achievements

- Mr. P.Gopi Kumar, Asst.Professor, EIE got Ph.D (Part time) Admission in the department of Electronics and Communication at Annamalai University, Chambaram, Tamilnadu.

  Name of the Supervisor   -   Dr. R.Manikanchan
  Research Topic   -   Embedded Systems
  University   -   Annamalai University, Chambaram, Tamilnadu.

- Mrs. D.Srilaxmi, Asst.Professor, EIE got Ph.D (Part time) Admission in the department of Electronics and Communication at Annamalai University, Chambaram, Tamilnadu.
-
  Name of the Supervisor   -   Dr. B.Poonguzhali
  Research Topic   -   Bio Medical Instrumentation
  University   -   Annamalai University, Chambaram, Tamilnadu.

- Mrs. P.Sampurna Lakshmi, Asst.Professor, EIE got Ph.D (Part time) Admission in the department of Electronics and Communication at Annamalai University, Chambaram, Tamilnadu.

  Name of the Supervisor   -   Dr.S. Sivagama Sundar
  Research Topic   -   Process Control Automation using IoT
  University   -   Annamalai University, Chambaram, Tamilnadu.

- Faculty members from the department who won Laurel's in Staff Sports.

Events Organized

➢ Guest Lecture is organized for IV Year EIE Students on "**Virtual Instrumentation**", by   Mr. Ajit Choudhary, Senior Engineer Vision Development, from Optomech Engineers Pvt. Ltd., Hyderabad on 12-07-2019 at 2:00pm onwards.

Mr.Ajit Choudhary, Senior Engineer Vision Development, at Optomech Engineers Private Ltd, while delivering his Lecture on "Virtual Instrumentation" to IV B.Tech EIE students.

➢ Guest Lecture is organized for II Year EIE Students on in the Domain Instrumentation titled "Instrumentation Setup for Data Acquisition during Missile Launch", by **Mr. M.Prashanth**, Engineer, at Advanced System Laboratory, Directorate of Strategic Systems and Instrumentation, DRDO, Hyderabad on 20th July 2019 at 11:00am to 12:00noon.

➢ Guest Lecture is Organized in the department for III Year EIE Students on "BIOMEDICAL SIGNAL PROCESSING" by Dr. Dr.C.B.Rama Rao, Professor, Dept.of.ECE, NIT Warangal on 26-07-2019 at 1:40PM to 3:10PM.

➢ Introductory Session is conducted to the faculty members on "Art of Living". at 4:00PM on 05-07-2019 in room no C-201

➢ The Department of Electronics and Instrumentation Engineering has organizing a guest lecture on "Virtual Instrumentation" on 12th July 2019, for IV B.Tech EIE-I & EIE-II to educate them about Instrumentation involved in Applications of Labview and role of Instrumentation Engineers and Career Opportunities in Industries. The Resource person for the session is Mr.Ajit Choudhary, Senior Vision Development Engineer, at Optomech India Ltd, Hyderabad. He has about Four Years industrial experience in Optomech company

The guest lecture was focused on following topics

1. Induction Sealing Integrity Verification System, Bottle Inspection System,
2. Compact RIO,DAQ for test and measurement
3. Applications of above in Virtual Instrumentation
4. Role of Instrumentation Engineer in Labview companies
5. Carrier Opportunities in Optomech .

➢ Welcome & Introduction of Dept - HOD's, Mentors etc, Fresher Introduction on 6th Aug 2019 in room no-C-201.

"I didn't fail the test. I just found 100 ways to do it wrong.."   - Benjamin Franklin

➢ Interaction session for I Year EIE Students on "Meditation and Insights sessions", by a Wing of the Brahma Kumaris, team from kukatpally, Hyderabad on 8th Aug 2019 in room no-C-201.

➢ A Talk for I Year EIE Students on "Life Skills Management", by Dr. Raja Shekar in Auditorium on 10th August 2019.

➢ Orientation classes on Yoga Session for I Year EIE Students at Sports Complex on 16th Aug 2019.

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

➢ Motivation Lecture for I Year students on "The Art of Living", by Mr.Vikram Manikya, Director, Wellness Program of the Art of Living International Centre , Bengaluru. On 24th Sep 2019.

➢ Guest Lecture for I Year students on "How they are different, how they are the same, and how they are related", by Ms. Anca Castillo, Associate Director of Student Recruitment at Ira A. Fulton Schools of Engineering, Arizona State University (ASU), USA, On 25th Sep 2019 at K.S. Auditorium

Faculty Participation

➢ Dr.C.Kiran, Asssoc Professor,EIE has attended 1-day Faculty Development Program on "TiE GRAD 2019-20", by TiE Hyderabad.on 13-07-2019 from 1:00pm to 5:00pm.

➢ Dr.K.Sudha Rani, Associate Professor EIE department has attended and published her paper in international conference, organized by ANURAG GROUP of INSTITUTIONS, Ghatkesar, from 26th - 27th July, 2019.The paper will be published in Scopus-Indexed journal "International journal of recent Technology and Engineering".

➢ The following faculty members from EIE Department attended ISOI Award function at Matrusri college of Engineering, Hyderabad on 23rd August 2019.

V.Nageshwar,	Assoc Professor
Anitha Kulkarni,	Assoc Professor
J.Jyothirmai,	Asst.Professor
S.Bhargav,	Asst.Professor

➢ Dr.C.Kiran, Assoc.Professor, went to attend the Telangana Incubation's meeting held at AIC Octo Spaces, Banjara Hills as a representative of VJ Hub. The theme of the event is "Challenges of Incubating a student startup", on 28-08-2019

➢ Dr.C.Kiran, Assoc.Professor, EIE attended The Telangana Incubators Meet at AIC Octo Spaces, Banjara Hills, as a representative of VJ Hub. The theme of the event is "Challenges of Incubating a Student Startup", on 28-08-2019.

➢ Dr.C.Kiran, Assoc.Professor, EIE attended as a Selection Committee member for the "Innovation & Entrepreneurship Competition for Overseas Talents 2019" organised by Hangzhou Municipal Government, China at A-Hub in Ashoka Institute of Engineering & Technology on 31-08-2019.

➢ Dr.C.Kiran, Assoc.Professor, EIE attended the "Collegepond Uniconnect Global Education Fair" held at Hotel Marriot,Hyderabad on 14-09-2019.

➢ Faculty members from EIE Department attended a guest lecture on "EVALUATION REFORMS IN HIGHER EDUCATION – Learning to Better Assessment and Learning", by Dr. C. Jyotsna, Assoc. Professor, H & S Det. Organized by IQAC in B-Block Seminar Hall on   13-09-2019 at 3:30PM.

Research and Development (R & D)

Conferences

S. No.	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	Date/ Month & Year of publications	ISSN No. / ISBN no.
1	Dr.K.Sudha Rani, Assoc.Professor	G.Amulya, D.V.S.Shobana, Arun	Sensor Based Milk Adulteration System	3rd International Conference on Recent Developments in Control Automation and Power Engineering, Amity University Uttar Pradesh, Noida, India	10th -11th October, 2019	

Journals

S. No.	Faculty Name, Designation & Department	List of Authors in the order that appears on the paper	Full title of the paper	Journal name	Volume, Issue, Page Numbers	Date/ Month & Year of public ation	ISSN No. / ISBN no.
1.	G.Vamsi Krishna Asst.Professor	G.Vamsi Krishna Naregakar Akshay	Multi Loop Controller Design for Multivariable processes Employing SISO PI Tuning Rules	International Journal of Innovative Technology & Exploring Engineering (IJITEE)	Vol 8, issue:6S4,	April 2019	2778 - 3075

Industrial Visits

S. No.	Staff/Student	Industry Visited	Date of the Visit	Location of the Industry	No. of Staff Visited	Impact
1	IV Year EIE-2 students and 4 staff members	M/s. Mylan Laboratories Ltd,	31st July 2019	Survey No. 10, Gaddapotharam village, Kazipally Industrial Area, Jinnaram Mandal, Medak Dist.	60 students	Plant director addressed the students to brief about the mylan company and two Engineers are assigned for two batches. Students visited manufacturing site and Quality assurance site in two batches. brief explanation of each equipment by the experts are very helpful to the students, Process control subject, AI subject concepts are thoroughly used in mylan industry
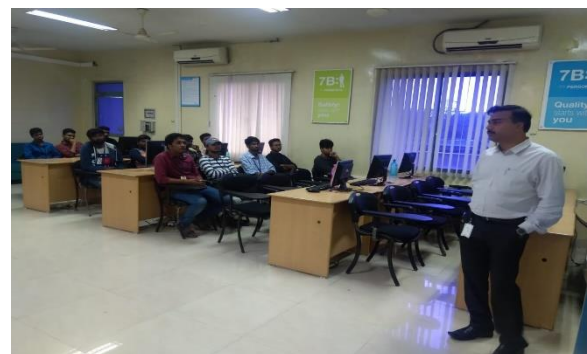
> 3rd Year EIE students went to local Industrial Visit to "Hyderabad Metro Rail, Nagole, Hyderabad", along with 4 faculty members on 11-09-2019.

BoS Meeting

> 10th Board of Students (BoS) meeting held in the department of EIE on 26-07-2019 at 10:30AM in Room No: B-208.

Show and Tell

The Board suggested the following points for UG & PG Courses:

1) The content of Advanced Calculus is not advanced.
2) Names of Mathematics Courses are suggested as Engineering Mathmetaics-1, Engineering Mathmetaics-2 etc.
3) Suggested to Include Thermal Physics, Nuclear Physics - material science removing redundant parts of Electronic Circuits 1
   Contents 6th Unit of BEEE is very concrete and high-end without learning the basics.
4) Basic Electronics must be an exclusive common subject with 3 credits - To be discussed in common BoS
5) Computational Methods may be named as Numerical Methods.
6) Suggested to include Measurement system: Applications and Design – by E.O.Doeblin, McGraw Hill Publications under references.

S.No.	Name & Roll No. of Student	Project/Concept demonstrated	Date
1	B.Priya Madhuri (18071D8802) M.Tech (E & I) Student.	Plant Disease Diagnosis using Machine Learning	16-08-2019
2	P.Srujana (18071D8805) M.Tech (E & I) Student.	Prediction of Diabetic Retinopathy using Machine Learning Techniques	16-08-2019

"Don't find fault, find a remedy." **-Henry Ford**

EIE Times

- Measure the power of Instrumentation -

Department of Electronics and InstrumentationEngineering

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 contentand 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 Activities

➢ I years interaction session with senior students and matrixing is organized in the department on 04-10-2019 at 02:00pm onwards.

"Perfection is not attainable, but if we chase perfection we can catch excellence."

-Vince Lombardi

Faculty Achievements

- Conducted Seminar on Higher Education in abroad for Instrumentation Engineering students by B. Prasanna Kumar from NEC, Hyderabad on 9th Oct 2019.

- 3-Day Workshop is organized for EIE faculty members on "Technical Paper Writing", from 17th-19th Oct 2019. Two faculty members from the department submitted their papers in international Journal.

- Mr. P.Gopi Kumar, Asst.Professor, EIE got Ph.D (Part time) Admission in the department of Electronics and Communication at Annamalai University, Chambaram, Tamilnadu.

  Name of the Supervisor - Dr. R.Manikanchan
  Research Topic - Embedded Systems
  University - Annamalai University, Chambaram, Tamilnadu.

- Mrs. D.Srilaxmi, Asst.Professor, EIE got Ph.D (Part time) Admission in the department of Electronics and Communication at Annamalai University, Chambaram, Tamilnadu.

  Name of the Supervisor - Dr. B.Poonguzhali
  Research Topic - Bio Medical Instrumentation
  University - Annamalai University, Chambaram, Tamilnadu.

- Mrs. P.Sampurna Lakshmi, Asst.Professor, EIE got Ph.D (Part time) Admission in the department of Electronics and Communication at Annamalai University, Chambaram, Tamilnadu.

  Name of the Supervisor - Dr.S. Sivagama Sundari
  Research Topic - Process Control Automation using IoT
  University - Annamalai University, Chambaram, Tamilnadu.

"A leader is one who knows the way, goes the way, and shows the way-John C. Maxwell

Faculty Participation

➢ Dr.C.Kiran, Assoc Professor, Attended 2019 WDO Research & Education Forum at Indian School of Business, Hyderabad on 10th Oct 2019 during 8:30 a.m. to 6:00 p.m.

➢ Dr.C.Kiran, Assoc Professor, Attended the "Global Education and Careers Forum" meeting that will be presided by the Commissioner of Technical Education, Govt. of Telangana State from 3 p.m. to 5 p.m. at the O/o SPD, RUSA, Nampally, Hyderabad - as an Institute representative through the GRO on 21st Oct 2019.

➢ Dr.C.Kiran, Assoc Professor, Attended T-Tribe Induction Programme at T-Hub as the SPoC along with 5 students who will be Campus Ambassadors for the programme at JNTUH on 25th Oct 2019.

➢ Dr.R.Manjula Sri, Professor & Head, attended & Presented paper titled "Prediction of severity of non proliferated diabetic retinopathy using machine learning", in 2nd International conference on recent Innovative trends in computer science and applications at Ramaiah Institute of Technology, Bengaluru on 26th Oct 2019.

➢ Dr.K.Vidya Sagar, Professor Presented paper titled "Finite Element Analysis of Carbon Nanotube Structured Badminton Racket ", in 2nd International conference on recent Innovative trends in computer science and applications at Ramaiah Institute of Technology, Bengaluru on 26th Oct 2019.

➢ Dr.K.Sudha Rani, Assoc.Professor, attended & Presented paper titled "Sensor Based Milk Adulteration System ", in 2nd International conference on recent Innovative trends in computer science and applications at Ramaiah Institute of Technology, Bengaluru on 26th Oct 2019.

"I can't change the direction of the wind, but I can adjust my sails to always reach my destination.-Jimmy Dean

Research and Development (R & D)

Conferences

S. No.	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	Date/ Month & Year of publications	ISSN No. / ISBN no.
1	Dr.R.Manjula Sri Professor & Head	P.Srujana, D.Srilaxmi	Prediction of Severity of Non Proliferated Diabetic Retinopathy Using Machine Learning	2nd International Conference on Recent Innovative Trends in Computer Science and Applications at Ramaiah institute of technology	26th Oct 2019	-
2	Dr.K.Vidya Sagar Professor	Dr.A.Bhujanga Rao Mr.K.Vijay Chandra, Mr.B.Goutam	Finite Element Analysis of Carbon Nanotube Structured Badminton Racket	2nd International Conference on Recent Innovative Trends in Computer Science and Applications at Ramaiah institute of technology	26th Oct 2019	-
3	Dr.K.Sudha Rani Assoc.Professor	Ganti Amulya, K.Mani Kumar, D.V.S.Shobana, Dr.T.Nireekshana, M.V.Arun Santosh, K.Vijaya Kumar	Sensor Based Milk Adulteration System	2nd International Conference on Recent Innovative Trends in Computer Science and Applications at Ramaiah institute of technology	26th Oct 2019	-

Journals

S. No.	Faculty Name, Designation & Department	List of Authors in the order that appears on the paper	Full title of the paper	Journal name	Date/Month & Year of publication	ISSN No. / ISBN no.
1.	S.Vandana Asst.Professor	Dr. T. Madhavi	Physical Layer Security Algorithms in WANETs—A Survey	International Journal on Emerging Technologies (IJET)	18th Oct 2019	ISSN NO. (P): 0975-8364, (O): 2249-3255
2.	Anitha Kulkarni, Assoc Professor	Dr.Elizabeth Rani, Anitha Kulkarni	Switching Kalman Filter based ECG Signal Processing for Fiducial Points	International Journal of Advanced Research in Science ,Engineering & Technology (IJARSET)	19th Oct 2019	2350-0328

EIE Times

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Message from HOD

Factual contentand 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

dents Achievements

S. No	Particulars of the Event	Beneficiaries	Date	No. of Participants	Impact of Program
1	Training course on **Machine Learning** by S. Nagarjuna Chary, Assistant Professor (EIE) organized by Competency Development Centre (CDC), VNRVJIET	III Year EIE Students	7th Jan 2020.	25	Machine learning is the scientific study of algorithms and statistical models that computer systems use to perform a specific task without using explicit instructions, relying on patterns and inference instead. It is seen as a subset of artificial intelligence
2	Guest Lecture on "**Motivation and Goal Setting**"	II Year EIE Students	06th Jan 2020.	54	To enhance the vision on future and learned more on training and motivating other.
3	Training course **on C 'Language** by K.Venkata Ramana Assistant Professor (CSE) organized by Competency Development Centre (CDC), VNRVJIET	II Year EIE Students	3rd Jan 2020.	41	To understanding of any of the programming languages will help you in understanding the C programming concepts and move fast on the learning track and hand on sessions for the students

"A leader is one who knows the way, goes the way, and shows the way-**John C. Maxwell**

4	Training course on **Machine Learning** by S. Nagarjuna Chary, Assistant Professor (EIE) organized by Competency Development Centre (CDC), VNRVJIET	III Year EIE Students	31st Dec 2019.	14	Machine learning is the scientific study of algorithms and statistical models that computer systems use to perform a specific task without using explicit instructions, relying on patterns and inference instead. It is seen as a subset of artificial intelligence

5	Training course on **C 'Language** by K.Venkata Ramana Assistant Professor (CSE) organized by Competency Development Centre (CDC), VNRVJIET	II Year EIE Students	10th Jan 2020.	40	To understanding of any of the programming languages. C programming concepts and hand on sessions for the students in C Programming language
6	Aptitude Training Session	III Year EIE Students	8th -11th Jan 2020.	116	This course is to help candidates to prepare for Aptitude tests that assess reasoning through a set of videos. Several companies in the IT/ITES, Banking and Finance sectors conduct aptitude tests as part of their interview process to test analytical and logical reasoning skills
7	Training course on **Machine Learning** by S. Nagarjuna Chary, Assistant Professor (EIE) organized by Competency Development Centre (CDC), VNRVJIET	III Year EIE Students	21st Jan 2020.	19	Machine learning is the scientific study of algorithms and statistical models that computer systems use to perform a specific task without using explicit instructions, relying on patterns and inference instead. It is seen as a subset of artificial intelligence
8	Training course on **Machine Learning** by S. Nagarjuna Chary, Assistant Professor (EIE) organized by Competency Development Centre (CDC),	III Year EIE Students	28th Jan 2020.	21	Machine learning is the scientific study of algorithms and statistical models that computer systems use to perform a specific task without using explicit instructions, relying on patterns and inference instead.

"I can't change the direction of the wind, but I can adjust my sails to always reach my destination.-Jimmy Dean

	VNRVJIET				
9	Training Program on C 'Language by Mr. K.Venkata Ramana Assistant Professor (CSE)	II Year students	31st Jan 2020	37	To understanding of any of the programming languages will help you in understanding the C programming concepts and move fast on the learning track and hand on sessions for the students
10			07th Feb 2020	35	
11	Motivation Lecture by Ms.Sandhya Kode, Director, Enhance Edu, Director for Advancement, VJ Educational Institutions	I Year EIE-2 Students	10th Feb 2020	34 students and 4 faculty members attended in room no -C-202.	Motivation Lecture on K=knowledge, O=Ownership, D=Design, E=Empowerment. how to improve academics, self improvement, Preparation For The Rest of 4 Years
12	Training course on Machine Learning by S. Nagarjuna Chary, Assistant Professor (EIE) organized by Competency Development Centre (CDC), VNRVJIET	III Year students	11th Feb 2020	20	Machine learning is the scientific study of algorithms and statistical models that computer systems use to perform a specific task without using explicit instructions, relying on patterns and inference instead. It is seen as a subset of artificial intelligence
13	Motivation Lecture by Ms. Sandhya Kode, Director, Enhance Edu, Director for Advancement, VJ Educational Institutions	I Year EIE-1 Students	19th Feb 2020	50 students and 2 class cordinators attended in room no -C-202.	Motivation Lecture on K=knowledge, O=Ownership, D=Design, E=Empowerment. how to improve academics, self improvement, Preparation For The Rest of 4 Years
14	Training course on Machine Learning by S. Nagarjuna Chary, Assistant Professor (EIE) organized by Competency Development Centre (CDC), VNRVJIET	III Year students	25th Feb 2020	11	Machine learning is the scientific study of algorithms and statistical models that computer systems use to perform a specific task without using explicit instructions, relying on patterns and inference instead. It is seen as a subset of artificial intelligence
15	LikhithaReddy Kasa	17071A1030	Edyst training programme	Nptel lecture series - Bio AI	T-Tribe webinar series on blockchain and start up culture
			CodinClub	Talent Sprint -	TiE grad webinar series

			8 weeks project	Python in AI/ML	on effect of economy due to covid 19 and 6 Hyderabad start ups whi made it into Forbes 30 under 30 and their steps to tackling covid 19
				Udemy - Android wear development	Jhub Excite20 webinar on mezzanine technologies educational preferences, current technological trends and opportunities
				Google - Fundamentals of Digital Marketing	-
				Alison - REBT - programming your mind	-
Greeshma Nethrika B	17071A1021	Boly IOT Internship	Participated in hackwithinfy round 1		
Chitta Krishna Vamsi	07171A1013	Internshala - Programming with Python			

Faculty Achievements

➤ Dr.R.Manjula Sri i) elevated to Sr.IEEE Member
  ii) recognized as Reviewer for the Elsevier Science Direct Journal
  Titled Medical Informatics Unlocked.

Publications

- ➤ Mrs. Anitha Kulkarni, Assoc.Professor, Dept. of EIE Went to attend 5 day Workshop on "Massive MIMO Cooperative Communication and Cognitive Radio for 5G" organized by Department of ECE, Andhra University college of Engineering, Visakhapatnam in Association with IIT Kanpur, from 6th Jan-10th Jan 2020.

- ➤ The following faculty members from the department attended one week workshop on "writing quality research proposals" from 06-01-2020 to 11-10-2020 in Dr.APJ Abdul Kalam Auditroium.
    1) Dr.R.Manjula Sri   Professor & Head
    2) Dr.M.Sreedhar   Professor
    3) Dr.K.Vidya Sagar   Professor
    4) Dr.S.Pranavanand Assoc. Professor

- ➤ Dr.R.Manjula Sri, Professor & Head, attended and has successfully completed 20 hours of complete "Python 3 Programming boot camp for Beginner to Advanced", online course on 14th Jan 2020 from Udemy.

- ➤ Mr.B.Goutam, Asst.Professor, Visited Society for Innovation and Entrepreneurship (SINE) at IIT Bombay, to gain knowledge & Learn from the start –up ecosystem at SINE – IITB on 17th Jan 2020.

- Mr.B.Goutam, Asst.Professor, attended "one day course coordinators workshop on Arduino a course in the IoT Series", conducted by IIT Bombay, on 18th Jan 2020.

- Dr.C.Kiran, Assoc.Professor, attended Minerva Hyderabad's "Civitas" collaborative networking for problem-solving at T-Hub as the SPoC for T-Hub at VNRVJIET. Event is on 18-01-2020 from 5 p.m. to 9 p.m

- The following faculty members from the department attended 5-day Faculty Development Program on "Design Thinking" organized by Centre for Presencing and Design Thinking, VNRVJIET from 20th-24th January, 2020.

  1) D.Srilaxmi Asst Professor
  2) S.Bhargav   Asst Professor
  3) B.Goutam   Asst Professor

- Dr.C.Kiran, Assoc.Professor, attended Telangana State Incubators meet with the theme "Internationalisation of Incubators" on 21st Jan 2020 at IKP Knowledge Park in Genome Valley, Hyderabad.
  - Mrs.DVShobana attended seminar on **Safety meet** by Telangana Police Department on 11th March,on account of women's day celebration,at Chikkadpally,Hyd.

- The following faculty members have registered and attending various online courses in mezzanine technologies during lockdown period-

S.No	Certifying Authority	Name of the course	Faculty certified/attending
1	NPTEL	Industry4.0	P.sampurna Lakshmi
		Data Analytics using Python programming	D.Srilaxmi
		Joy of computing through Python	Dr.R.ManjulaSri S.Vandana
2.	UDEMY	Python programming	S.Vandana P.Sampurna Lakshmi Anitha Kulkarni
		Machine Learning	DVShobana, CV Rambabu B Goutam K.Vijay Chandra
		Machine Learning and AI : Support Vector Machine in Python	N.Akshay
		Python Complete Developer in	V.Nageswar

		2020:Zero to Mastery	
3.	NPIU	Digital transformation in teaching learning processes	Anitha Kulkarni S.Vandana
4.	NITTTR, Chandigarh	INTERNET OF THINGS	N.Akshay
5.	Coursera- University of Colorado Boulder	Sensor Manufacturing and Process	N.Akshay
6	Pandit Deendayal Petroleum University	Online Workshop on Intellectual Property Rights , Create Designs and Think Patents	N.Akshay

Events Organized

➢ Department of ECE & EIE Organized a Guest Lecture on "Motivation and Goal Setting" on   for the students of II B.Tech ECE & EIE to enhance the vision on future, by Mr. Jaya Deva Rao, Motivational Speaker and Soft Skills Trainer, Hyderabad. on 6th January, 2020 in B- Block Seminar Hall.

Year	Section	Time	Faculty Members
II B.Tech	EIE-1 Students	11:00 AM to 1:00PM	Dr.M.Sreedhar, Dr.K.Vidya Sagar & Mrs.S.Vandana
II B.Tech	EIE-2 Students	2:00 PM to 4:00 PM	Dr.M.Sreedhar, Mr.C.V.Ram Babu, Mrs.J.Jyothirmai

➢ Five students of 3rd & 2nd year from the department were shortlisted for Idea Pitch as a part of the T-Tribe Academic Membership Programme at T-Hub, as the SPoC for T-Hub at VNRVJIET.

1) 17071A1026   Konduru Indu
2) 17071A1030   Likhita Reddy Kasa
3) 17071A1071   Damodar Darshan Kolla
4) 18071A1036   Mohd Farhan
5) 18071A1049   R Kaushik Rajan

- Guest lecture is organized for III Year EIE students on "Soft Skill Development",by Ms.Disha Jain, Associate Consultant learning and development, Wipro. It is requested to permit us to conduct the guest lecture and allot B-Block seminar hall on 12-02-2020 from 01:40PM onwards.

- ➢ Dept of EIE has organized a guest levture on "Innovation in Instrumentation Engineering (Chandrayan 2) " for the students of II B.Tech A & B Sections, by
  Dr. V.Seshagiri Rao , Distinguished (retd) Scientist ISRO on 12th of March, 2020 from 2:40 PM to 4:40 PM.,110/123 students attended.

- ➢ Dept of EIE has organized a training program for III Year EIE students on "Soft Skill Development", by Ms.Disha Jain, Associate Consultant learning and development, Wipro, from 05-3-2020 to 7-3-2020 from 2pm to 5pm.115/132 students attended the training.

- ➢ About 150 students from II, III and IV year registered for free/paid online course Era courses during lockdown period.

Faculty Participation

- VNR Vignana Jyothi Institute of Engineering and technology (RC-1352) organized one day workshop on **"Arduino", by Prof. G. V. V. Sharma of IIT, Hyderabad**. In collaboration with IIT Bombay, funded by the National Mission on Education through ICT, MHRD, G.O.I on 8th February 2020. 10 faculty members from EIE Department attended the workshop.

1.	Dr.R.Manjula Sri	Professor & Head
2.	Dr.K.Sudha Rani	Assoc.Professor
3.	Mr.M.Hari Krishna	Assoc.Professor
4.	Mr.V.Nageshwar	Assoc.Professor
5.	Mr.K.Vijay Chandra	Asst.Professor
6.	Mrs.S.Vandana	Asst.Professor
7.	Mr.P.V.Gopi Kumar	Asst.Professor
8.	Mrs. P.Sampurna Lakshmi	Asst.Professor
9.	Mr.S.Bhargav	Asst.Professor
10.	Mr.B.Goutam	Asst.Professor

- Mr. C.V. Ram Babu, Sr.Asst.Professor, attended conference on "Recent Advanced and Innovations in Engineering", 22nd ISTE State level Faculty Convention organized SJC Institute of Technology, Chickballapur, Karnataka state on 04th Feb 2020.

- Dr.M.Sreedhar, Professor, Dr.K.Sudha Rani, Assoc.Professor and Dr.S.Senthil Kumar, Asst.Professor attended 3 day workshop on "Proposal Writing", organized by H & S Department at ELCS Lab during 6th -8th Feb 2020.

- The following faculty members from Department attending training session for Faculty on "Mathematics for AI/ML" from 13thFeb -13thMar, 2019. at 4.00 to 5.00p.m in C-301.
  1. Dr.S.Pranavanand
  2. Mr.M.Hari Krishna
  3. Mrs. Anitha Kulkarni
  4. Mr.V.Nageshwar
  5. Mrs.D.V.Shobana

"It always seems impossible till you do it."**-Nelson Mandela-**

Research and Development (R & D)

S. No.	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 publica-tion
1.	1	K.Vijay chandra, Assistant.professor& EIE	K. Vijay chandra K.Vidya sagar K.Sudha Rani	Machine intelligence for identification of endothelial corneal layer diseases with novel morphology algorithm	ICICCS Conference	Vol-2-987-992

2.	K.Vijay chandra, Assistant.Professor&EIE	1. K.Vijay chandra 2. Bhaskar Mohan Murari	Confocal corneal endothelium dystrophy's analysis using particle filter	Journal of engineering science and technology	Vol.15.No. 2 (1202-1221)	30/April & 2020.
3.						

BoS Meeting

Others

- ➢ Parents meeting is held in the department on 15-02-2020 at 3:00PM onwards in the department library.

- ➢ **SERB proposals submitted by the dept faculty:**

Dr Rajasekhara Reddy B & Dr S. Pranavanand	Desugn And Online Implementation of Data Driven Controllers on Benchmark Process In Wastewater Treatment.	SERB-CRG 09-03-2020 CRG/2020/003373	Rs. 19,38,000/-
Dr.S.senthil Kumar	Design And Development of Hexapod Rescue Robot Using Fuzzy Controller in disaster zone.	SERB-SRG 11-03-2020 SRG/2020/000559	Rs.13,73,560/-

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Dr. R. Manjula Sree
HOD: EIE

Student Achievements

S. No	Particulars of the Event	Beneficiaries	Date	No. of Participants	Impact of Program
1		17071A1030		Edyst training programme	Nptel lecture series - Bio AI
2	Likhitha Reddy Kasa			CodinClub 8 weeks project	Talent Sprint - Python in AI/ML
3					Udemy - Android wear development
4					Google - Fundamentals of Digital Marketing
					Alison - REBT - programming your mind
5	GreeshmaNethrika B	17071A1021	Boly IOT Internship		Participated in hackwithinfy round 1

"A leader is one who knows the way, goes the way, and shows the way-**John C. Maxwell**

6	Chitta Krishna Vamsi	17071A1013	Internshala - Programming with Python		
7	17071A1015	Programming with python from Udecity, Search engine optimization from Udemy	Deepika Bandla		
8	G.Jyothirnayani	17071A1082	Edyst programming on python	TCSion digital learning platform I did knockdown the lockdown course	Participated in JPMC code for good,Adobe Codiva Hackthon and Hackwithinfity
9	MGM Ali	17071A1031	Cybersecurity internship (indian servers)	Web development course from coursera	Edyst 10 days coding challenge, practicing python in hackarank
10	ARCHANA SIDDENKI	18075A1020	Bolt Iot internship programme which is based on Web development in that we are going to learn HTML, CSS and Javascript		Codevita contest

11	Lakshmi Sahithi	17071A1092		1) Deep learning using onramp – Mathworks 2) Sql – udemy 3) Full stack web development - udemy, upskill Github - udemy	
12	B.Roshini	17071A1061	Placement Foundational Program in edyst		
13	Y.R.Chandana	17071A10B6	Edys-Python		Jpmc code for good, Hackwithinfy

14	K. Manasa Jyothi	17071A1087	Bolt Iot internship programme which is based on Web development in that we are going to learn HTML, CSS and Javascript	Machine learning course in coursera, and also Deep learning using MATLAB onramp in Mathworks	

> Dr.R.Manjula Sri   i) elevated to Sr.IEEE Member
> ii) recognized as Reviewer for the Elsevier Science Direct Journal Titled Medical   Informatics Unlocked.

Publications

1	**Dr.M.Sreedhar**, Professor,EIE	1.Dr.M. Sreedhar, 2.Dakuri Giri babu 3.Bezawada Suneela sparsha	Automatic burner flame management system using internet of things	Journal of Emerging Technologies and Innovative Research	Under review Shortly be published	June 2020	ISSN: 2349-5162	5.87	NA	NA

2	**Dr. S.Senthilkumar**, Assistant Professor , EIE	Dr.S.Senthilkumar, Adnan Abbas	Analysis of Locomotion Hexpod Robot in Nonlinear Surface using Intelligent Controller	International Journal of Recent Technology and Engineering	Submitted (Under Review)	June 2020	ISSN 2277-3878	3.36	Scopus
3	**K.Vijay Chandra,** Assistant Professor , EIE	K.Vijay Chandra and Prof.Bhaskar mohan murari	Confocal corneal endothelium dystrophy's Analysis using Hybrid Algorithm	Journal of Engineering Science and Technology, Taylors university, Malaysia	Accepted yet to get volume number.	June 2020	1823-4690	1.11	SCOPUS
4	**S.Bhargav,** Assistant Professor , EIE	S.Bhargav	Detecting the weight of a LPG cylinder and automated gas booking	International Journal of Recent Technology and Engineering (IJRTE)	communicated waiting for approval	June 2020	ISSN 2277-3878		
5	Naregalkar	Naregalkar	Application of Information And Communication Technology For Prototype Design And	Aut Research	communicat	Jun	ISSN	5.1	

S.No	Faculty	Authors	Title	Type	Status	Date	ISSN	IF	Indexing		
	Akshay, Assistant Professor , EIE	Akshay ,Damera Saiteja , Martha Sripal	Implementation Of Health Monitoring System	Journal	ed waiting for approval	e 2020	0005-0601				
6	**S. Vandana,** Assistant Professor , EIE	S. Vandana, Dr. T. Madhavi	Implementation of Opinion Trust Algorithm for secure data transmission in WANETs	International Journal on Emerging Technologies	communicated waiting for approval	June 2020	ISSN NO. (P): 0975-8364, (O): 2249-3255	3.1	Scopus		
7	**S Nagarjuna Chary,** Assistant Professor , EIE	S Nagarjuna Chary, Dr. N Vinoth, Dr. Kiran Chakravarthula	A Review on Intelligent Retrieval Algorithm with Deep Learning using Electronic Medical Records and Its Inference for Healthcare Systems	Journal of Medical Systems	communicated waiting for approval	June 2020	ISSN 0148-5598	2.41			

The following faculty members have registered and attending various online courses in mezzanine technologies during lockdown period-

S.No	Certifying Authority	Name of the course	Faculty certified/attending
1	NPTEL	Industry4.0	P.sampurna Lakshmi
		Data Analytics using Python programming	D.Srilaxmi
		Joy of computing through Python	Dr.R.ManjulaSri S.Vandana

2.	UDEMY	Python programming	S.Vandana P.Sampurna Lakshmi Anitha Kulkarni
		Machine Learning	DVShobana, CV Rambabu B Goutam K.Vijay Chandra
		Machine Learning and AI : Support Vector Machine in Python	N.Akshay
		Python Complete Developer in 2020:Zero to Mastery	V.Nageswar
3.	NPIU	Digital transformation in teaching learning processes	Anitha Kulkarni S.Vandana
4.	NITTTR, Chandigarh	INTERNET OF THINGS	N.Akshay
5.	Coursera- University of Colorado Boulder	Sensor Manufacturing and Process	N.Akshay
6	Pandit Deendayal Petroleum University	Online Workshop on Intellectual Property Rights , Create Designs and Think Patents	N.Akshay

> ➢ The following faculty members have attended various online courses during lockdown period-**May 2020**

S.No	Name of the Faculty & Designation	Event attended	Topic/Title of event &	Place of event held & organized by	Dates on which event was he
1	Dr.R. Manjula Sri, Professor & Head	Two days online workshop	Patent Drafting and Processing with Importance of Trademark and Copyright,	Organized by journal of advanced engineering research & powered by hexacube,inida	8th & 9th May 2020.
		Faculty Development Program	Python for ML	Organized by Dept.of.CSE, VNRVJIET, with CSI chapter	18th to 23rd May 2020.
2	Dr. M. Sreedhar, Professor	Webinar	virtual reality	Organized by Dept.of.CSE, Pantech, SRM	14th may 2020
		Three day workshop	Hands on effective utilization of digital	VNRVJIET	1st –3rd May 2020

			platforms for teaching and learning process		
3	Dr. K. Vidya Sagar, Professor	Three day workshop	Hands on effective utilization of digital platforms for teaching and learning process	VNRVJIET	15th- 17th May 2020
4	Mrs. Anita Kulkarni, Assoc..Professor	webinar	Participated Webinar on Building support vector ML model	By codegnan.	16th may 2020
		Faculty Development Program	improving research planning skills at technical institute	organized by Elsevier & VTU consortium	29th April 2020
5	Mr. V. Nageshwar Assoc..Professor	Webinar	Participated Webinar on polynomial regression using python webinar materials	By codegnan.	7th May 2020
			Participated on Webinar data analytics and insight		5th May 2020
			Participated webinar on Build your career in data science webinar		3rd May 2020
		One day workshop	Effective and Efficient online Teaching in the Age of Corona	Organized by IIT Bombay	
6	Mr.K.Vijay Chandra, Asst.Professor	Faculty Development Program	Paython for ML	Organized by Dept.of.CSE, VNRVJIET, with CSI chapter	18th to 23rd May 2020.
		Three Day Workshop	Hands on effective utilization of	VNRVJIET	15th - 17th May 202

			digital platforms for teaching and learning process		
7	Mr. S. Nagarjuna Chary, Asst.Professor	webinar	Webinar on Machine learning with scikitlearn	By codegnan.	1st May 2020
		5 day workshop	Artificial Intelligence and Deep Learning		4th – 8th May 2020.

8	Mrs. S. Vandana, Asst.Professor	Online project based course(AICTE Course)	Machine Learning using Python	Skyfi Labs	Started on 1st May-2020
		Webinar	Machine Learning with SciKit Learn	Codegnan	1st May 2020
		webinar	Building your career in data science	Codegnan	3rd May 2020
		One day workshop	Virtual Labs & their Importance.	IEEE VNR SB	4th May 2020
		webinar	Building a Mobile App for Machine Learning model	Codegnan	5th May 2020
		Webinar	Polynomial Regression Using Python	Codegnan	7th May 2020
		Webinar	Building Decision Tree from Scratch Using Python	Codegnan	9th May 2020
		Webinar	Introduction to Natural Language processing	Codegnan	13th May 2020

		Faculty Development Program	IoT Using Arduino	PanTech	13th May 2020
		Faculty Development Program	Virtual Reality	PanTech	14th May 2020
		One day workshop	Effective and Efficient online Teaching in the Age of Corona	Organized by IIT Bombay	16th May 2020
		Faculty Development Program	How the Agri and IoT Got Connected	PanTech	19th May 2020
		Faculty Development Program	Object tracking Using ML and Python	PanTech	23rd May 2020
		Faculty Development Program	Raspberry Pi with Open CV	PanTech	25th May 2020

		Faculty Development Program	Machine Vision	PanTech	26th May 2020
		Faculty Development Program	Webinar on DataScience and its Applications	PanTech	27th May 2020
		Faculty Development Program	Tackling Anxiety in the Context of Impulsive Adaptation to Virtual Classroom	VNRVJIET	28th May 2020
		Faculty Development Program	IIC Online Sessions (17)	MHRD innovation Cell	28th April 2020 to May 22nd 2020
9	Mr. G. Vamsi Krishna, Asst.Professor	Online short term course	Evaluation and setting of QP	Organized by NITTTR, chandigarh	25th -29th May 2020
10	Mrs. J. Jyothir Mai, Asst.Professor	Three Day Workshop	Hands on effective utilization of	VNRVJIET	15th - 17th May 202

			digital platforms for teaching and learning process		
11	Mrs. D. Sri Laxmi, Asst.Professor	Three Day Workshop	Hands on effective utilization of digital platforms for teaching and learning process	VNRVJIET	15th - 17th May 202
12	Mr. S. Bhargav, Asst.Professor	Three Day Workshop	Hands on effective utilization of digital platforms for teaching and learning process	VNRVJIET	1st – 3rd May 2020
13	Mrs. P. Sampurna Lakshmi, Asst.Professor	Faculty Development Program	Internet of Things	Organized by AICTE Training and Learning Academy (ATAL) NIT Jamshedpur	7th -11th May 2020
14	Dr.Senthil kumar, Asst.Professor	Faculty Development Program	Robotics	Organized by AICTE Training and Learning Academy (ATAL)	2nd – 6th May 2020
			Artificial Intelligence		25th – 29th May 2020
		One Day Workshop	Robotics Processing Automation	Bennett University, greater Noida	4th May 2020

Events Organized

- Department of EIE in collaboration with Instrumentation Society of India (ISOI) student chapter organized Webinar on "**Introduction to Graphical Programming using Labview**", by Dr.S.Pranavanand, Assoc Professor, EIE. On 25th May 2020.

- Department of EIE in collaboration with Instrumentation Society of India (ISOI) student chapter organized Webinar on "**Robotics & Automation in Industrialized Building System**", by Dr.S. Senthil Kumar, Asst Professor, EIE. On 27th May 2020.

- Department of EIE in collaboration with Instrumentation Society of India (ISOI) student chapter organized Webinar on "**Introduction to Design Thinking**", by Dr.C.Kiran, Assoc Professor, EIE. On 25th May 2020.

- VNR IEEE Student Branch organized hand on session on "Latex-A Scientific Documenting Tool", by Dr.B.Raja Shekhara Reddy, Asst.Professof, EIE on 25th May 2020.

- Department of EIE is going to organize "Online Internship: Summer 2020", for II & III Year B.Tech and I Year M.Tech Students from 01st June to 30th Aug 2020.

Faculty Participation

> Department of EIE is going to organize "Online Internship: Summer 2020", for II & III Year B.Tech and I Year M.Tech Students from 01st June to 30th Aug 2020.

S. No.	Particulars of the event	Beneficiaries	Duration	No. of Participants	Resource Person(s)	Impact of the event
1	Webinar #5 Factory Automation Using Siemens TIA Portal – 19/06/2020	Faculty Students Industry experts	2 Hrs	85	Mr.S.Nagarjuna Chary	Participants able to understand about TIA and Siemens PLC's.
2	Webinar #6 Introduction to Patent Writing and Associated Protocol – 26/06/2020	Faculty Students Industry experts	2 Hrs	85	Dr.S.Pranavanand	Participants able to get an Idea about what is Patent and how to draft a Patent.

> The following faculty members have attended various online courses during lockdown period-**June 2020**

S.No	Name of the Faculty & Designation	Event attended	Topic/Title of event &	Place of event held & organized by	Dates on which event was held
1	Dr.R.Manjula Sri Professor & Head	One week workshop	Effective Online Teaching using ICT Tools	VNRVJIET	29th June 2020 to 04th July 2020
2	Dr. M. Sreedhar. Professor	Faculty Development Program	technological advances in wireless communication systems	AITM,Kakinada	22nd -26th ,JUNE, 2020.
3	Dr.K.Sudha Rani Assoc Professor	Webinar	Teamwork and Life Skills for a Successful Career	IEEE Hyderabad Section Women in Engineering Affinity Group	27th June 2020

				(WIE AG) in collaboration with VNRVJIET WIE &VEC WIE	
		One week workshop	Effective Online Teaching using ICT Tools	VNRVJIET	29th June 2020 to 04th July 2020
4	M.Hari Krishna Assoc.Professor	One week workshop	Effective Online Teaching using ICT Tools	VNRVJIET	29th June 2020 to 04th July 2020
5	Mrs. Anita Kulkarni Assoc Professor	Faculty Development Program	Artificial intelligence and machine learning for engineering applications	CSE,IT AND ECE,VNRVJIET	8th-12thju ne 2020

"It always seems impossible till you do it."-Nelson Mandela-

Research and Development (R & D)

S. No.	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 publica-tion
1.	K.Vijay chandra, Assistant.profess or& EIE	K.Vijay chandra, Assistant.profe ssor& EIE	K. Vijay chandra K.Vidya sagar K.Sudha Rani	Machine intelligence for identification of endothelial corneal layer diseases with novel morphology algorithm	ICICCS Conference	Vol-2-987-992
2.	K.Vijay chandra, Assistant.Prof essor&EIE	1. K.Vijay chandra 2. Bhaskar Mohan Murari	Confocal corneal endothelium dystrophy's analysis using particle filter	Journal of engineering science and technology	Vol.15.No. 2 (1202-1221)	30/April & 2020.
3.	Dr.K.Sudha Rani, Associate professor,EIE Dept.	1 K.Sudha Rani, 2 B.Priya Madhuri, 3 Sai Sundara Amulya Ganti	Plant Leaf Disease Detection Using Machine Learning Techniques	International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT - 2020) organized by RVS Technical Campus, Coimbatore, India.(Springer conference)	Paper accepted and registered in the conference	23-24, July 2020
4	**Dr.M.Sreedhar**, Professor,EIE	1.Dr.M.Sreedh ar, 2.Dakuri Giri babu 3.Bezawada Suneela sparsha	Automatic burner flame management system using internet of things	Journal of Emerging Technologies and Innovative Research	Under review Shortly be published	June 2020

"Good, better, best. Never let it rest till your good becomes better and better becomes best." -St. Jerome-

BoS Meeting

Others

Ms. S.Vandana, Asst.Professor has attended online Effective and Efficient Online Teaching in the Age of Corona a Hands on Workshop conducted by IIT, Bombay under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

The contents of the workshop are as follows

1. Flipped classes for online teaching, their relevance in the current situation, and how to conduct them

2. Tools to aid flipped classes:

a. How to create videos? Power point, OBS, Pen software (OneNote, Xournal)

b. How to edit created videos? Open shot, windows movie maker

c. How to reduce size of created videos? Open shot

d. Where to upload course material: videos, slides, notes, quizzes: Google drive, LMS: Bodhi Tree

e. How to manage and interact asynchronously with students via web and android app? LMS: Bodhi Tree

f. How to interact synchronously (live) with students? Google meet, Zoom

3. Guidance in installation and operation of the above software tools

After the online registration, the online study material was shared to the registered participants. If we have any queries then we can either post the query on the Bodhi Tree discussion forum or we ask their query during the online interaction with IIT Bombay course instructors. The workshop itself will be 4-hours of watching relevant pre-recorded videos with side-by-side learning, hands-on training, interaction with and help from course instructors. The Bodhi Tree platform supported *interactive learning*: there will be questions within each video, as well as questions outside the video. These questions will help us to learn a lot.

"Don't find fault, find a remedy." -Henry Ford

EIE Times

- Measure the power of Instrumentation -

Department of Electronics and InstrumentationEngineering

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 contentand 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

Student Achievements

- Likhitha Reddy Kasa (17071A1030), III Year EIE Student got Internship at Council of Scientific & Industrial Research (CSIR) - NEIST Project, New Delhi, Delhi.

S. No.	Particulars of the event	Beneficiaries	Duration	No. of Participants	Resource Person(s)	Impact of the event
1	Necessity of Signal Conditioning Circuits in Autonomous Systems	II Year Students	3rd August 2020	25	Dr.S.Pranavanand Assoc Professor	Students participated and understand about Necessity of Signal Conditioning Circuits in Autonomous Systems
2	Virtual Lab on Basic Simulation		3rd August 2020	28	Mr.C.V.Ram Babu Sr.Asst.Professor	Students participated and learn regarding experiments in the Virtual lab session on Basic Simulation
3	PN Diode – Working & Characteristics		4th August 2020	28	Mrs.Anitha Kulkarni Assoc Professor	Students participated and understand about PN Diode – Working & Characteristics
4	Virtual Lab on Electronic Circuits-1		4th August 2020	26	Mrs.Anitha Kulkarni Assoc Professor	Students participated and learn regarding experiments in the Virtual lab session on Electronic Circuits-1
5	Overview on Instrumentation, stds & Errors		5th & 7th August 2020	28	Dr.M.Sreedhar Professor	Students participated and understand about Overview on Instrumentation, stds & Errors
6	Classifications of Signals		5th August 2020	30	Mr.C.V.Ram Babu Sr.Asst.Professor	Students participated and understand about Necessity of Signal and Classifications of Signals

Faculty Achievements

➢ Dr.R.Manjula Sri   i) elevated to Sr.IEEE Member
　　　　　　　　　ii) recognized as Reviewer for the Elsevier Science Direct Journal
　　　　　　Titled Medical   Informatics Unlocked.

Publications

S. No.	Faculty Name, Designation & Department	List of Authors in the order that appears on the paper	Full title of the paper	Journal name	Volume, Issue, Page Numbers	Date/ Month & Year of publication	ISSN No. / ISBN no.	Impact Factor	Indexed In SCOPUS / Web of Science / Google Scholar	No. of Cit-a-tions
1	Anita Kulkarni Assoc.Professor	Anitha Kulkarni, Dr. Sreedevi, Professor ECE department, GITAM, Vishakhapatnam	Image Denoising using Curvelet based wavelet	International Academy of Science, Engineering & technology	Accepted	July 2020	2278-991X	7.1882	SCOPUS	----
2	Harikri	Harikrishna Mulam, Dr. Malini	IET Image Processing	Optimised multi-wavelet domain	Volume 14, Issu	20th July 2020	1751-9659	2.004	SCI/ESCI	----

S. No.	Faculty Name, Designation & Department	List of Authors in the order that appears on the paper	Full title of the paper	Journal name	Volume, Issue, Page Numbers	Date/ Month & Year of publication	ISSN No. / ISBN no.	Impact Factor	Indexed In SCOPUS / Web of Science / Google Scholar	No. of Cita-tions
	shna Mulam Assoc.Professor	Mudigonda, Professor and HOD, Department of BME, Osmania University		for decomposed electrooculogram-based eye movement classification	e 9, p. 1862 – 1869					
3		Harikrishna Mulam, Dr. Malini Mudigonda, Professor and HOD, Department of BME, Osmania	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	Empirical mean curve decomposition with multiwavelet transformation for eye movements recognition using electrooculogram	Online Published	3rd July 2020	Online ISSN: 2041-3033	1.282	SCI /ESCI	---

S. No.	Faculty Name, Designation & Department	List of Authors in the order that appears on the paper	Full title of the paper	Journal name	Volume, Issue, Page Numbers	Date/ Month & Year of publication	ISSN No. / ISBN no.	Impact Factor	Indexed In SCOPUS / Web of Science / Google Scholar	No. of Citations
				signals						

S. No.	Particulars of the event	Beneficiaries	Duration	No. of Participants	Resource Person(s)	Impact of the event
1	Webinar on Digital Transformation by 5G and IoT	All faculty members	15th July 2020	25	Mrs. Anitha Kulkarni, Assoc Professor	Participants able to understand about Digital Transformation by 5G and IoT.
2	Webinar #1 on Application of Semiconductor devices		22nd & 25th July 2020	35	Mrs. Anitha Kulkarni, Assoc Professor	Students participated and understand about Applications of Semiconductors & Devices
3	Webinar #2 on Introduction to Measurement Systems		22nd & 24th July 2020	25	Dr. S. Pranavanand Assoc Professor	Students participated and understand about measurement system
4	Webinar #3 on Instrumentation & Electronic Measurement		23rd July 2020	35	Dr. M. Sreedhar Professor	Students participated and understand about Instrumentation & Electronic Measurement
5	Webinar #4 on Introduction to Signals & Systems	All II Year Students	23rd July 2020	30	Mr.C.V.Ram Babu Sr.Asst.Professor	Students participated and understand about Signals & Stsyems
6	Webinar #5 on Introduction to Complex Functions		24th July 2020	33	Dr. Sireesha Assoc Professor	Students participated and understand about complex function and their methods
7	Webinar #6 on Virtual Lab on Electronic Circuits-1		22nd July 2020	30	Mrs. Anitha Kulkarni, Assoc Professor	Students participated and learn regarding experiments in the Virtual lab session on Electronic Circuits-1

faculty participation

S.No	Name of the Faculty & Designation	Event attended	Topic/Title of event &	Place of event held & organized by	Dates on which event was held
1	Dr.R.Manjula Sri, Professor & Head	Certification course	AI for every one (By Andrew Ng ,Stanford University)	online by, Coursera	27-7-2020 to 24-8-2020 4 weeks
		Webinar	Preparing oneself on Industry 4.0	Online by MED,VNRVJIET	13-8-2020 2-4pm
		Certification course	Python basics, University of Michigan	online by, Coursera	17-8-2020 to 14-9 -2020(4 weeks)
2	Dr.M.Sreedhar Professor	FDP	Design, Costing and Establishment of Green Energy System",	BITIT HINDUPUR.	31-07-2020,02-08-020 & 03-08-20
		Webinar	"Cyber-Physical Power Systems: Challenges and Research Needs"	Vellore Institute of Technology, Chennai	04-08-20
		Webinar	AI and IoT in Manufacturing	Sri Balaji Chockalingam Engineering College,Arni,Chennai	05-08-20
3	Anitha Kulkarni, Assoc.Professor	FDP	Recent trends in IoT	ATAL FDP	24-8-2020 to 28-8-2020
		Webinar	The World We Lead Tomorrow	SAP Webinar Platform	7th Aug-2020
		Webinar	Vision for Education in post Covid world Fireside chat	Asshocham	7th and 8th Aug-2020
		webinar	Natural Language Processing	VNRVJIET CSE	15th Aug 2020
		webinar	Applications of Image Processing	VNRVJIET EIE	13-8-2020
4	V.Nageshwar, Assoc.Professor	FDP	Exploring New Frontiers of Digital Transformation in Teaching-Learning	ATAL FDP	August 24th-28th 2020
5	K.Vijay Chandra, Asst.Professor	FDP	one week international online FDP on Recent advances in mathematics and statistics by GITAM	GITAM,VIZAG	3-08-2020 TO 8-08-2020

		webinar	Preparing oneself on Industry 4.0	Online by MED,VNRVJIET	13-8-2020 2-4pm
		webinar	Image processing applications	VNRVJIET,EIE	13-8-2020 4-5pm
6	S.Vandana, Asst.Professor	Webinar	Changing the ME;Residing the ME-Live safe,Managing(Stress,Anger,Fear & Expectation)	Sri Eeshwar college of Engineering	Aug10,2020
		Webinar	Wireless communication (6G) and Future of IOT	Shri Sant Gajanan Maharaj College of Engineering, Shegaon	Aug12,2020
		Webinar	Preparing Oneself for Industry 4.0	VNR Vignana Jyothi Institute of Engineering and Technology	Aug13,2020
7	G.Vamsi Krishna, Asst.Professor	FDP	Six-Day Online FDP on "Teaching and Learning of Advanced Control Systems"	The Departments of Electrical Engineering & the Teaching Learning Center , NIT Warangal	August 10 -16, 2020

S.No	Name of the Faculty & Designation	Event attended	Topic/Title of event &	Place of event held & organized by	Dates on which event was held
1	Dr.R.Manjula Sri, Professor & Head	Technical Training Program	Artificial Intelligence for Medical Diagnosis	online Coursera	22nd June-27th July 2020
		Webinar	Credit Transfer through Moocs	NPTEL	14th July 2020 10 am to 11-30 am
		workshop	Digital platforms &content preparation	online @VNRVJIET	13th-15th and 20th July2020,2-30 pm to 5-00pm
		Webinar	Python for Machine learning related to real time applications	Online,CSE@ VNRVJIET	16th July 2020 11am to 1 pm
		Webinar	Challenges Vs Expectation – Entrepreneurship ecosystem	T-hub	23rd July 2020 11am to 1pm
		Training program	Video Content Development	Dept of EIE VNRVJIET	24th July 2020 2-30 to 4-30
		Webinar	How to Write Winnable Research Proposals	Dept. of CSE VNRVJIET	28th July 2020
2	Dr.M.Sreedhar Professor	Technical Training Programme	Android Application Development	(IETE)The Institution of electronics and telecommunications Engineering ,India(PANTECH e- learning online programme)	6th july to 10 th july 2020
		Webinar series	A 3 -Day Faculty Training Webinar Series on "Effective Utilization of Digital Platforms for Content Development & Delivery	VNRVJIET	13th to 15th July 2020
		Webinar	Big data analytics	PANTECH solutions PVT Ltd	13th july 2020
		Registered for Online course in N.P.T.E.L, Yet to start (12 weeks)	Introduction to Wireless and Cellular Communications	N.P.T.E.L	To be start from 20th July 2020 (12 weeks)
		Training program	Video Content Development	Dept of EIE VNRVJIET	24th July 2020 2-30 to 4-30
		Webinar	VLSI Architecture for Image Processing Applications	SVPEC, Visakhapatnam	24th July 2020
3	Dr.K.Vidya Sagar, Professor	FDP	Embedded Systems with 8085micro controller using Embedded C		07th July 2020
		Training program	Video Content Development	Dept of EIE VNRVJIET	25-7-2020;2-30 to 4-30
4	Dr.S.Pranavanand, Assoc.Professor	online Coursera	Introduction to ANN and Deep Learning	Udemy	07th July 2020
		Training program	Video Content Development	Dept of EIE VNRVJIET	25-7-2020;2-30 to 4-30
5	Dr.K.Sudha Rani, Assoc.Professor	FDP	Recent Developments in Mechanical Engineering	KITS Warangal	7th -12th July 2020
		Online Course	Data Analysis with Pandas and Python	Udemy	8th - 10th july
		Training program	Video Content Development	Dept of EIE VNRVJIET	24-7-2020;2-30 to 4-30
6	M.Hari Krishna, Assoc.Professor	online Coursera	programming for everybody (getting	xxx	07th July-10th July 2020

				TASK	2020
		Webinar	Artificial Intelligence	Ethiraj College for Women	08-07-2020
		Webinar	Webinar on Deep Learning Techniques - CNN & R-CNN	BVRIT	09-07-2020
		Webinar	Webinar on Python programming and its applications	Pantech	10-07-2020
		5 Days FDP	Artificial Intelligence and Machine Learning	VNR VJIET	JULY 13 TO JULY 17
		Online Course	Machine learning using Python	Skyfi	18-07-20
		Webinar	AI Using Big Data Analytics	LCIT	20-07-2020
		Training program	Video Content Development	Dept of EIE VNRVJIET	24-7-2020;2-30 to 4-30
17	J.Jyothirmai, Asst.Professor	FDP	Machine Learning for Computer Vision	jointly organized by IIT Guwahati, MNIT, Jaipur, NIT, Patna	29th June to 8th July
		online course	Fundamentals of deep learning for computer Vision	NVIDIA	6th July 2020
		online course	Fundamentals of deep learning for multiple Data types	NVIDIA	7th July 2020
		online course	IBM Python data science	Edx labs	2nd course 1 week completed
		Online course	Introduction to Architecting smart IOT devices	coursera	1 week completed
		Webinar series	A 3 Day Faculty Training Webinar Series on "Effective Utilization of Digital Platforms for Content Development & Delivery	VNRVJIET	13th to 15th july
		Training program	Video Content Development	Dept of EIE VNRVJIET	25-7-2020;2-30 to 4-30
18	D.Srilaxmi, Asst.Professor	Webinar	Webinar on Mentoring	VNRVJIET	3rd July 2020
		Webinar	Virtual Webinar series on Machine Learning	IEEE Hyd Section	4th July 2020
		FDP	Effective Online Teaching using ICT Tools	VNRVJIET	29th June to 4th July
		FDP	Exploring the nuances of Deep Learning	karunya Deemed University	13th to 17th July 2020
		FDP	Two week Global Online FDP on Optimization Techniques and Hands on with Matlab/Scilab	jointly organised by Nit Patna,MNIT Jaipur.	13th to 24th July 2020
		Online Course	Machine Learning for All	Coursera	1 Week Completed
		Training program	Video Content Development	Dept of EIE VNRVJIET	25-7-2020;2-30 to 4-30
20	P.Sampurna Lakshmi, Asst.Professor	Webinar Series	A 3 Day Faculty Training Webinar Series on "Effective Utilization of Digital Platforms for Content Development & Delivery	VNRVJIET	13th to 15th July 2020
		Online Course	Programming for Everybody (Getting Started with Python)	An online non-credit course authorized by University of Michigan and offered through Coursera	7WEEKS (CompleteD)
		Online Course	Machine Learning for All	Coursera	3 WEEKS Completed

S.No	Name of the Faculty & Designation	Event attended	Topic/Title of event &	Place of event held & organized by	Dates on which event was held
1	Dr.R.Manjula Sri, Professor & Head	Certification Course	Python basics	University of Michigan	17th Aug 2020 to 14th Sep 2020
		Virtual Faculty Development Program	Block Chain Technology	Dept of CDC, VNRVJIET	28th Sep 2020
2	Dr.M.Sreedhar Professor	A One-Week National Level Faculty Development Program	Advanced RF & Microwave Communications (ARF&MWC2020)	Vignan Nurula college of Engineering, untur,AP	31stAuguest – 5th september 2020
		12 weeks NPTEL Course: Attended 2nd week	Introduction to Wireless and Cellular Communications	N.P.T.E.L, Swayam.IITK	14th september 2020 to 4th December 2020
		08 weeks NPTEL Course: Attended 2nd week	Programming, Data Structures And Algorithms Using Python	N.P.T.E.L, Swayam.IITM	14th september 2020 to 6th Non 2020
		Virtual Faculty Development Program	Block Chain Technology	Dept of CDC, VNRVJIET	28th Sep 2020

3	Dr.K.Vidya Sagar Professor	Virtual Faculty Development Program	Block Chain Technology	Dept of CDC, VNRVJIET	28th Sep 2020
4	Dr.S.Pranavanand Assoc Professor	Virtual Faculty Development Program	Block Chain Technology	Dept of CDC, VNRVJIET	28th Sep 2020
5	Dr.K.Sudha Rani Assoc.Professor	Certification Course	Data Analysis with Pandas and python	Udemy	Three months course
		Virtual Faculty Development Program	Block Chain Technology	Dept of CDC, VNRVJIET	28th Sep 2020
6	M.Hari Krishna Assoc.Professor	Virtual Faculty Development Program	Block Chain Technology	Dept of CDC, VNRVJIET	28th Sep 2020
7	Anitha Kulkarni, Assoc.Professor	NPTEL course	Introduction to Wireless and Cellular Communications	IITK	14.09.2020-04.12.2020
		Virtual Faculty Training Program	Block Chain	VNR	28-9-20 to 3-10-2020
		National level One Day Awareness Workshop	Outcome Based Education & Accreditation	GH Raisoni Institute of Engg' & Technology, Nagpur	11-9-2020
		Webinar	Impact of Automation Technology in industrialized Electrical building system	VNRVJIET	4-9-20
		Webinar	Role of Guru	VNRVJIET	5-9-20
		Webinar	Contributions of C.V.Rao for Statistics	VNRVJIET-H&S	10-9-20
		Webinar	bridging Physiology & Biomedical Instrumentation)	VNRVJIET-EIE	15-9-2020
		Virtual Faculty Development Program	Block Chain Technology	Dept of CDC, VNRVJIET	28th Sep 2020
8	V.Nageshwar, Assoc.Professor	ATAL FDP	Blended Learning and Flipped Classroom	NITTTR Chandigarh	7 to11 September 2020
		ATAL FDP	The World of wonderful	Dr. Ambedkar	20th to 25th

			Sensors	Institute of Technology, Bangalore.	September 2020
		Virtual Faculty Development Program	Block Chain Technology	Dept of CDC, VNRVJIET	28th Sep 2020

Research and Development (R & D)

S. No.	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 publica-tion
1	Dr.K.Sudha Rani, Associate professor,EIE Dept.	K.Sudha Rani, B.Priya Madhuri, Sai Sundara Amulya Ganti	Plant Leaf Disease Detection Using Machine Learning Techniques	International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT - 2020) organized by RVS Technical Campus, Coimbatore, India.(Springer conference)	Paper accepted and registered in the conference	23-24, July 2020
2	N.Akshay, Asst.Professor, EIE Dept.	N.Akshay G.Vamsi Krishna Dr.B.Raja Shekhara Reddy	IOT Based Street Light Monitoring & Controlling System for Smart Cities	Virtual International Conference "AI and ML Applications in Smart Buildings" (AMSB2020-2020)	Paper Presented	24-25, July 2020
4	Dr.S. Pranavanand Assoc.Professor	Dr.S. Pranavanand, Mr. Pavan Karthik	Extrapolation of futuristic application of Robotics: A Review	IEEE 3rd International Conference on Smart Systems and Inventive Technology, Erode, Tamilnadu	Submitted	20th August 2020
5	Mr.K.Vijay Chandra Asst.Professor	Mr.K.Vijay Chandra Dr.Bhaskar mohan murari	Confocal corneal endothelium Image analysis using Advanced Morphology	International Conference on Intelligent Data Communication Technologies and Internet of Things" (ICICI 2020).	Accepted	27th -28th August 2020,

6	Dr.S.Senthil kumar Asst.Professor	Dr.Senthilku mar S Adnan Abbas	Analysis And Implementati on Of DCS In DC-DC Boost Converter For A Robotic System	IEEE International Conference on Smart Systems and Inventive Technology (ICSSIT 2020)	Accepted	20th -22nd August 2020,
7	Dr.R.Manjula Sri Professor & Head	Sampurna Lakshmi Paritala,Dept of EIE,VNR VJIET,Hyd and S pandana Paramkusham ,Dept of ECE,Geethanja li college of Engineering and Technology ,Hyd.	IoT Based Alerting System for Respiration Disorders	IEM-ICDC 2020 (International Conference on Computational Intelligence, Data Science and Cloud Computing 2020) at Department of Information Technology Institute of Engineering & Management, Kolkata, India	Submitted	25th-27th September, 2020
8	Dr.S.Pranavana nd Assoc Professor	Mr. Pavan Karthik, Student	Extrapolation of futuristic application of Robotics: A Review	IEEE 3rd International Conference on Smart Systems and Inventive Technology, at Erode	Accepted	23rd Sep 2020
9	Dr. Rajasekhara Reddy B Asst.Professor	Tulasi Ram K, sreedevi women's engineering college and Pranavanand S, VNRVJIET	Adaptive PI Controller Design and Deployment for Chemical Reactor	International Conference on Smart Electronics and Communication, at Kongunadu College of Engineering and Technology	Presented	10-12, September 2020.

BoS Meeting

Others

EDITORIAL BOARD

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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 contentand 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

➢ Likhita Reddy Kasa (17071A1030) of IV Year EIE-1 student has selected as Quality Assurance Engineer at Amazon.

➢ Bogineni Manaswini (17071A1078) of IV Year EIE-2 student has selected Software Engineer in JP Morgan Chase & Co.

➢ Akaanksh Pemmaraju (17071A1039) of IV Year EIE-1 student Participated in Space Week 2020 design Competition organized by ISRO.

➢ Students from 2nd year EIE were runner up in Medteck Sep 2020.
   1) Lahari bonnala (18071A1007)
   2) Chaitanya P (18071A1043)
   3) P.Samanvitha Reddy (18071A1045)
   4) S,Sri Krishna (18071A1048)

➢ Students from 2nd year EIE were runner up in CMR Ideathon Sep 2020.
   1) Tejaswi K (18071A1028)
   2) Varsha L (18071A1031)
   3) Sahas N (18071A1040)
   4) Seshankitha (18071A1052)
   5) Shavani Y (18071A1060)

➢ 4 passed out students are selected for service Engineers at Spinco Biotech Pvt Ltd, Perungudi, Chennai.
   1) THOTA JANARDHAN (17075A1006)
   2) VARIKILLA VINAY (17075A1010)

"A leader is one who knows the way, goes the way, and shows the way-John C. Maxwell

        3)   VANAMA SAI CHAKRADHAR NAGESH KUMAR (17075A1011)

        4)   KAPILAVAI VAMSHI   (17075A1014)

- Pranay Sai (16071A1010) completed his internship in RAAM Group.
- Likhita Reddy Kasa (17071A1030) of IV Year EIE-1 student has selected as Quality Assurance Engineer at Amazon.

- Bogineni Manaswini (17071A1078) of IV Year EIE-2 student has selected Software Engineer in JP Morgan Chase & Co.

- Akaanksh Pemmaraju (17071A1039) of IV Year EIE-1 student Participated in Space Week 2020 design Competition organized by ISRO.

- 4 passed out students are selected for service Engineers at Spinco Biotech Pvt Ltd, Perungudi, Chennai.

        5)   THOTA JANARDHAN   (17075A1006)

        6)   VARIKILLA VINAY   (17075A1010)

        7)   V. SAI CHAKRADHAR NAGESH KUMAR (17075A1011)

        8)   KAPILAVAI VAMSHI   (17075A1014)

- Pranay Sai (16071A1010) completed his internship in RAAM Group.

Faculty Achievements

- Dr.R.Manjula Sri   i) elevated to Sr.IEEE Member

                  ii) recognized as Reviewer for the Elsevier Science Direct Journal Titled Medical   Informatics Unlocked.

- Dr.R.Manjula Sri, Professor & Head, EIE selected for AICTE-UKIERI Technical Education Leadership Development Programmee for 2020-2021.

Publications

S. No.	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 publications
1	Dr.R.ManjulaSri, Prof & Head/EIE	SpandanaS ,Dr.R.Manjula Sri, Puja,S	A Compact Shape descriptor using Empirical mode decomposition to detect maignancy in breast tumour	IEEE International Advanced Computing Conference	----	6th December 2020.
2	Mr.Nageshwar V, Assoc. Prof/EIE	Nageshwar V, Dr.Y.Padmasai, Dr.K.Subba Rao	Detection of Epileptic Seizures in Long-Term Human EEG by Improved Linear Discriminant Analysis (ILDA)	4th International Conference on Advanced Informatics for Computing Research	----	26th Dec 2020.
3	Dr.R.ManjulaSri, Prof & Head/EIE	Dr.R.ManjulaSri, P.Sampurna Lakshmi, P.Spandana	IoT based alerting system for respiration disorders	National Symposium on Instrumentation (NSI-42),	----	28th-29th Dec 2020
4	Mr. Nageshwar V, Assoc. Prof/EIE	Nageshwar V, Dr.Y.Padmasai	Feature extraction method for epilepticseizure detection	National Symposium on Instrumentation (NSI-42),	----	28th-29th Dec 2020

"There is only one way to avoid criticism: do nothing, say nothing, and be nothing-**Aristotle**

			based on cluster coefficient distribution of complex network			
5	Mrs.P.Sampurna Lakshmi, Asst.Prof/EIE	P.Sampurna Lakshmi. K.Pramod Chakravarthy, B.Harsha, C.Murali Naidu	Farmaid ROBOT for Diseased Plants	National Symposium on Instrumentation (NSI-42),	----	28th-29th Dec 2020

S.No	Certifying Authority	Name of the course	Faculty certified/attending
1	NPTEL	Industry4.0	P.sampurna Lakshmi
		Data Analytics using Python programming	D.Srilaxmi
		Joy of computing through Python	Dr.R.ManjulaSri S.Vandana
2.	UDEMY	Python programming	S.Vandana P.Sampurna Lakshmi Anitha Kulkarni
		Machine Learning	DVShobana, CV Rambabu B Goutam K.Vijay Chandra
		Machine Learning and AI : Support Vector Machine in Python	N.Akshay
		Python Complete Developer in 2020:Zero to Mastery	V.Nageswar
3.	NPIU	Digital transformation in teaching learning processes	Anitha Kulkarni S.Vandana
4.	NITTTR, Chandigarh	INTERNET OF THINGS	N.Akshay
5.	Coursera- University of Colorado Boulder	Sensor Manufacturing and Process	N.Akshay

6	Pandit Deendayal Petroleum University	Online Workshop on Intellectual Property Rights , Create Designs and Think Patents	N.Akshay

Events Organized

S.No	Name of the Faculty & Designation	Event attended	Topic/Title of event &	Place of event held & organized by	Dates on which event was held
1	Dr.R.Manjula Sri, Professor & Head	Student Induction Program	AICTE Organized NCC-IP Online Student Induction Program (eSIP) 2020	VNRVJIET	8th -20th Nov 2020
		Workshop 1	Attended UKIERI workshop1organized by AICTE	Online	30th Nov 2020
2	Dr.M.Sreedhar Professor	Online Course	Introduction to Wireless and Cellular Communications	NPTEL	12 weeks program
3	Dr.K.Sudha Rani, Assoc.Professor	Student Induction Program	AICTE Organized NCC-IP Online Student Induction Program (eSIP) 2020	VNRVJIET	8th -20th Nov 2020
		certification course	Data Analysis with Pandas and python	Udemy	3 month program

4	Anitha Kulkarni, Assoc.Professor	FDP	FDP on Mathematics for Data Science	VNRVJIET - CSE	26-10-202 TO 30-10-2020
		Webinar	Importance Of IEEE Conferences For Engineering Students and Faculties	IEEE	5-11-2020
		Online Course	Introduction to Wireless and Cellular Communication	NPTEL	12 weeks program
5	V.Nageshwar, Assoc.Professor	Student Induction Program	AICTE Organized NCC-IP Online Student Induction Program (eSIP) 2020	VNRVJIET	8th -20th Nov 2020
6	S.Vandana, Asst.Professor	Online Course	Computing in Python I: Fundamentals and Procedural Programming	Edx Course	2 months

S. No.	Name & Details of the person who delivered the lecture	Topic of the Guest Lecture	Dates of the Lecture	For whose benefit the lecture was organized	No. Attended	Impact of the lecture
1	Mr. Chetan Chavan SeniorR&D Engineer Medha servo Drives Pvt ltd	Instrumentation in R&D	20/12/2020	II EIE-A & B	95	Scope of research and development in R &D
2	Mr.Ajit Choudhary Senior Engineer- Vision Development, Optomech Engineers Pvt Ltd	Integration of hardware with LabVIEW	24/12/2020	IV EIE-A & B	60	Various hardwares integration with Labview
3	Mrs.Archana K Bhange Sr. Assistant Professor, ECE Department, VNRVJIET,	Role of communication systems in Instrumentation	30/12/2020	III EIE - A& B	60	Different communication techniques of Data Transfer.
4	Mr.T.S.N.V.Satyanarayana Engr/Scientist,SG .(Reid.) Satish Dhawan Space Centre SHAR ISRO	Role of InstrusmentationIn ISRO	05/12/2020	I EIE-A & B	82	Research projects in ISRO related to Instrumentation

S. No.	Details of participants	Event attended	Organized by	Topic	Dates of Event
1	III Year Students	Training Programme	CDC Cell, VNRVJIET	Python Programming	Every Tuesday till end of the Course
2	III Year Stdents	Training Programme	CDC Cell, VNRVJIET	C & DS	Every Friday till end of the Course
3	II Year Students	Training Programme	CDC Cell, VNRVJIET	C & DS	Every Tuesday till end of the Course

Faculty Participation

➢ The following faculty members have attended various online courses during –**October 2020**

S.No	Name of the Faculty & Designation	Event attended	Topic/Title of event &	Place of event held & organized by	Dates on which event was held
1	Dr.R,Manjula Sri Professor & Head	AICTE Technical Leadership Programme	UK-India Education and Research Initiative (UKIERI)	All India Council for Technical Education (AICTE), New Delhi	13th Oct 2020
2	Dr.M.Sreedhar Professor	4th week of N.P.T.E.L COURSE	Introduction to wireless and cellular communications	IITM(online)	14th september to 04th december 2020
		4th week of N.P.T.E.L COURSE	Programming, Data structures and alGorithms using python	CMI(online)	14th september to 06th november 2020
		Virtual Faculty training programme	Block chain Technologies	VNRVJIET- CDC cell ,CSE department	28th sept 2020 to 3rd october 2020
3	Dr.K.Vidya Sagar, Professor	Virtual Faculty training programme	Block chain Technologies	VNRVJIET- CDC cell ,CSE department	28th sept 2020 to 3rd october 2020
4	Dr.S.Pranavanand Assoc Professor	Virtual Faculty training programme	Block chain Technologies	VNRVJIET- CDC cell ,CSE department	28th sept 2020 to 3rd october 2020
5	Dr.K. Sudha Rani Assoc Professor	Virtual Faculty training programme	Block chain Technologies	VNRVJIET- CDC cell ,CSE department	28th sept 2020 to 3rd october 2020
6	M. Harikrishna Assoc Professor	Virtual Faculty training programme	Block chain Technologies	VNRVJIET- CDC cell ,CSE department	28th sept 2020 to 3rd october 2020

7	Anitha Kulkarni Assoc Professor	Webinar	Recent trends in Signal Processing	VNRVJIET-EIE	29th Sep 2020
		Virtual Faculty training programme	Block chain Technologies	VNRVJIET- CDC cell ,CSE department	28th sept 2020 to 3rd october 2020
		NPTEL course	Introduction to Wireless and Cellular Communications	IITK	14th Sep- 04th Dec 2020
8	V. Nageshwar Assoc Professor	Virtual Faculty training programme	Block chain Technologies	VNRVJIET- CDC cell ,CSE department	28th sept 2020 to 3rd october 2020
9	Dr. C. Kiran Assoc Professor	Virtual Faculty training programme	Block chain Technologies	VNRVJIET- CDC cell ,CSE department	28th sept 2020 to 3rd october 2020
10	D.V. Shobana Priscilla Sr.Asst.Professor	Webinar	Recent trends in Signal Processing	VNRVJIET-EIE	29th Sep 2020
		Virtual Faculty training programme	Block chain Technologies	VNRVJIET- CDC cell ,CSE department	28th sept 2020 to 3rd october 2020
11	C. Venkata Rambabu Sr.Asst.Professor	Virtual Faculty training programme	Block chain Technologies	VNRVJIET- CDC cell ,CSE department	28th sept 2020 to 3rd october 2020
12	K. Vijay Chandra Asst.Professor	Webinar	Recent trends in Signal Processing	VNRVJIET-EIE	29th Sep 2020
13	Adithya Kashyap Asst.Professor	Webinar	Recent trends in Signal Processing	VNRVJIET-EIE	29th Sep 2020
14	N. Akshay Asst.Professor	Webinar	Recent trends in Signal Processing	VNRVJIET-EIE	29th Sep 2020
		NPTEL	Introduction to internet of things	IITM	14th Sep - 04th Dec.2020
		NPTEL	Introduction to Industry 4.0 and Industrial Internet of Things	IITM	14th Sep - 04th Dec.2020
15	J. Jyothirmai Asst.Professor	Webinar	Recent trends in Signal Processing	VNRVJIET-EIE	29th Sep 2020
		Online course	AI for medical diagnosis	coursera	30th Sep 2020
16	D. Srilaxmi Asst.Professor	NPTEL	Digital Image Processing	IIT KHARAGPUR	14th Sep - 04th Dec.2020

Research and Development (R & D)

S. No.	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 publica-tion
1.	Dr.R.Manjula Sri Professor & Head	Lakshmikala Pampana ,VNRVJIET.	A Review: Prediction of Multiple Adverse Health Conditions from Retinal Images	IEEE Bangalore Humanitarian Technology Conference (B-HTC) 2020.	Presented on 08th Oct 2020	8th to 10th Oct 2020
2.	Dr.K.Sudha Rani Assoc.Professor	Poonam Upadhyay (Professor), Bhavani(Associate Professor)	Optimization of Generation Schedule using Genetic Algorithm	International Conference & Exposition on Mechanical, Material and Manufacturing Technology at CVR College of Engineering (An Autonomous Institution), Hyderabad	Submitted on 9th Oct 2020	9th-10th Oct 2020
3.	P.Sampurna Lakshmi Asst.Professor	Pramod Chakrvarthy K, Harsha Vardhan B and Murali Naidu C	Farmaid Robot for Diseased Plants	SCI-2020 (4th international Conference on smart computing & informatics) at Vasavi College of Engineering	Submitted on 9th Oct 2020	9th-10th Oct 2020

4	Dr.S.Senthilkum ar, Asst.Professor	Nil	Design and Analysis of Water Surface Cleaning Robot Using DTMF Technology	International Conference on Artificial Intelligence and its Applications in Electrical Engineering-2020 at Yeshwant rao Chavan College of Engineering, Nagpur	Submitted on 03Oct 2020	18th & 19th December 2020
5	Dr.R.Manjula Sri, Prof & Head/EIE	Dr.R.Manjula Sri, Srujana P, D Srilaxmi	Prediction of NPDR using machine learning tequenics	Journal of computational and theoretical nano sciences	Vol.17, Issue 9/10, pp. 4219-4222	Dec 2020

BoS Meeting

Others

EIE Times

- Measure the power of Instrumentation -

January to March 2021
Volume 06   Issue 01

Department of Electronics and Instrumentation Engineering

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

S. No	Particulars of the Event	Beneficiaries	Date	No. of Participants	Impact of Program
1	Entrepreneurship PDP	Damodar Darshan Kolla of IV Year EIE	15th-16th Jan 2021	01	Got knowledge on Entrepreneurship PDP As part of the IUCEE-UML
2	Data Sciences and Machine Learning	I Year Students of EIE	22nd Jan 2021	60	Got knowledge on Data Sciences and Machine Learning organized by CII Telangana Session
3	T-Tribe Launch pad Programmee	Damodar Darshan Kolla of IV Year EIE	23rd Jan 2021		Got knowledge on T-Tribe launch pad programme
4	Indo-Universal Collaboration for Engineering Education (IUCEE) and University of Massachusetts Lowell (UML)	Damodar Darshan Kolla, IV Year EIE	15th Jan to 13th Feb 2021	01	Entrepreneurial Education Professional Development program

"A leader is one who knows the way, goes the way, and shows the way- John C. Maxwell

Faculty Achievements

- Dr.K. Vidya Sagar, Professor, EIE got Certificate for the outstanding paper award for paper titled "A Method of Cardiovascular Disease Prediction using Machine Learning" during ICRADL 2021 in the track of Applications of Deep Learning, Organized by the Department of Computer Science & Engineering, Shri Vishnu Engineering College for Women (Autonomous) Bhimavaram during 29-31, January, 2021.

- AICTE has sanctioned Rs. 1.92 lakhs to conduct a STTP on " Design and Structural Evolution of Advanced Functional Materials Suitable for Engineering Applications", during Feb. 15–20 & Mar. 01–06, 2021 Organized by DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING and CENTRE FOR NANO SCIENCE AND TECHNOLOGY (CNST). Program Coordinators: Dr. Chakravarthula Kiran, EIE Department. & Dr. L. Srinivasa Rao, H & S Department.

- Mrs.D.V.Shobana, Asst.Professor,EIE going for QIP Programmee in Ph.D at Anna University, Chennai.

- Mr.B.Goutham, Asst.professor, EIE got admission in Ph.D at NIT Warangal.

- G.Vamsi Krishna,Asst.Professor, has participated and got certificate for successfully completion of AI Master Class using MATLAB conducted by Pantech Prolabs India Pvt.Ltd during 18th Jan 2021 to 1st Feb 2021.

- Dr. Chakravarthula Kiran (Assoc. Prof.-EIE) and Damodar Darshan Kolla (17071A0071) IV B.Tech. EIE student has successfully completed and got certificates in Entrepreneurial Education Professional Development Workshop during 15th Jan 2021 to 13th Feb 2021.

- Dr. Chakravarthula Kiran (Assoc. Prof.-EIE), went to attend the seminar for the Semi-final round of swadeshi Microprocessor Challenge- A team comprising of a student's of IV Year EIE and an alumnus of EEE on 10-02-2021.

- Dr. Chakravarthula Kiran (Assoc. Prof.-EIE), Prof. G. Ramesh Chandra (Head-RCC), Dr. C. Naveen Kumar (Asst. Prof.-CE), Dr. C. Thirmal (Asst. Prof. Phys.-H&S), and Mr. R.

Sravanth Kumar (Asst. Prof.-ECE) attended the Session-3 of Workshop on Intellectual Property conducted by T-Hub on 12-02-2021.

➢ S.Vandana. Asst.Professor, attended and presented paper in online international conference ICAMCM 2021, Jaipur, Rajasthan during 19th -20th February 2021.

➢ Dr. Chakravarthula Kiran (Assoc. Prof.-EIE), went to deliver a Talk at EdifyPath in HITEC City as a part of Edify Talks on 9th Feb 2021. Also interacting with EdifyPath founders to peruse their studio setup for recording of courses and consider potential collaboration aspects already proposed

➢ Mrs. D.V.Shobana, Asst.Professor, EIE got selected for Ph.D admission in Department of Electrical Engineering at Anna University, Chennai under Quality Improvement Programme-2020-2021.

➢ Mr. B.Goutham, Asst.professor, EIE got admission in Ph.D at NIT Warangal.

➢ Dr.K.Sudha Rani, Assoc Professor guiding Ph.D Scholar as Co-Supervisor,

Name of the Research Scholar	:	Nagendra Medisetty
Area of Research	:	Artificial Intelligence
University/ Organization	:	Gandhi Institute of Engineering & Technology University, Gunupur, ODISHA
Year of Admission	:	2021

AWARENESS PROGREAMMES CONDUCTED FOR STUDENTS

S. No.	Details of participants	Event attended	Organized by	Topic	Dates of Event
1	III Year Students	Training Programme	CDC Cell, VNRVJIET	Python Programming	Every Tuesday till end of the Course
2	III Year Stdents	Training Programme	CDC Cell, VNRVJIET	C & DS	Every Friday till end of the Course
3	II Year Students	Training Programme	CDC Cell, VNRVJIET	C & DS	Every Tuesday till end of the Course
4	Damodar Darshan Kolla, IV Year EIE	Workshop	Indo-Universal Collaboration for Engineering Education (IUCEE) and University of Massachusetts Lowell (UML)	Entrepreneurial Education Professional Development program	15th Jan to 13th Feb 2021

Events Organized

➢ Department of Electronics and Instrumentation Engineering in collaboration with Centre for Nano Science and Technology (CNST) is organizing **AICTE-Sponsored** 2-Week Online Short Term Training Programme on "**Design and Structural Evolution of Advanced Functional Materials Suitable for Engineering Applications**", from **15th to 20th February 2021** & **01st to 06th March 2021**.

AICTE-sponsored, 2-week Online Short-Term Training Programme on "Design and Structural Evolution of Advanced Functional Materials Suitable for Engineering Applications" was jointly organized by Department of Electronics and Instrumentation Engineering (EIE) And Centre for Nano Science and Technology (CNST) during 01st–06th, March 2021 (spell-2).

The online training programme was attended by over 80 faculty members and researchers around the country. Dr. T. VenkatappaRao, Associate Professor of Physics, NIT Warangal has attended the valedictory function as its Chief Guest and conveyed the importance of advanced functional materials.

Impact of the programme: During the Spell-2, the resource persons have trained the participants in the following topics:

1. Developing inorganic nanomaterials
2. Thin films technology: From an Engineering perspective
3. Processing of Electro ceramics in Bulk and Thin Films
4. Synthesis of Functional Polymers
5. Biomaterials for Engineering Applications
6. Materials for 3D Printing
7. Materials for energy harvesting
8. Density functional theory for modelling and computation
9. Device Self-heating Effects in sub-deca-nanometer Logic Transistors
10. Semiconducting materials for MOSFET and VLSI System design

"Strive not to be a success, but rather to be of value." -Albert Einstein

11. Building Materials (Foam concrete)
12. Current Research on Biodegradable Materials

Moreover, the participants have been tested by conducting objective type of the self-assessment test and assessment test in the online mode.

After completion of STTP (Spell-2), the participants may be able to:

1. Understand the safe, eco-friendly and low-cost process of designing and synthesizing the materials such as Inorganic Nanomaterials, Functional Polymers, Materials for 3D-printing, Bio-degradable Materials etc.

2. Comprehend the Thin films technology, Semiconductor design, Modelling of materials structures etc.

Realize the Engineering Applications of the Advanced Functional Materials

Research and Development (R & D)

S. No.	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 publica- tion
1.	K.Vijay Chandra, Asst.Professor, EIE	K. Vijay Chandra	Specular Endothelium Image Analysis with DEM Algorithm.	3 rd IEEE International Conference on Emerging Smart Computing and Informatics (IEEEESCI 2021)	-	5 th - 7 th March 2021.
2.	Dr.K.Sudha Rani, Assoc.Professor, EIE	Dr.K.Sudha Rani, K.Manikumari, Dr.T.Nireekshna, D.V.Shobana, N.Kavitha, B . Bagya Sri	Identification of Brain Tumors using Volume rendering Techniques	IEEE International Conference on Artificial Intelligence and Smart Systems ICAIS 2021	-	25th - 27th March 2021
3.	Dr.M.Sreedhar,Professor,EIE	Dr.M.Sreedhar	Calibration and testing of instrumentation systems, calibration types and procedures an over view	International Journal of All Research Education and Scientific Methods	Volume 9, Issue 3	March - 2021

EIE Times

- Measure the power of Instrumentation -

Department of Electronics and Instrumentation Engineering

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

S. No	Particulars of the Event	Beneficiaries	Date	No. of Participants	Impact of Program
1	DELL Campassador (logo design competition,music challenge	S. Sriya (17071A10B1)	22nd May 2021	01	all over India they selected around 250 students from around 2000 applications
2	Pitch It To Win It	G. Amulya (17071A10A9)	22nd May 2021	04	Secured first place in "Pitch It To Win It" competition conducted by T-Tribe, T-Hub
3	Online Course	IV Year EIE Students	24th May – 3rd June 2021	10	Online course is completed
4	Training Session	III Year EIE Students	15th Jan to 13th Feb 2021	01	Benefited students from training session

"A leader is one who knows the way, goes the way, and shows the way- John C. Maxwell

5					
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7					
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Publications

Faculty Achievements

- Dr.K.Vidya Sagar,Professor,EIE has published one book chapter in Intechopen on "A Hybrid Image Fusion Algorithm for Medical Applications", on 16th April 2021.

- Mrs. D.V.Shobana, Asst.Professor, EIE got selected for Ph.D admission in Department of Electrical Engineering at Anna University, Chennai under Quality Improvement Programme-2020-2021.

- Mr. B.Goutham, Asst.professor, EIE got admission in Ph.D at NIT Warangal

- Dr.R.Manjula Sri, Professor & Head, attended in Faculty Development Program on "An Introduction to Articial Intelligence",organized by NPTEL during 18th Jan -9th April 2021.

- Dr.R.Manjula Sri, Professor & Head, attended Online workshop program on "Leadership Training program ALS3", organized by AICTE on 29th March 2021.

- V.Nageshwar, Assoc.Professor attended eSIP Online Student Induction Program on "Universal Human Values", sponsored by AICTE during 16th April 2021.

- P V Gopikumar,Asst.Professor, 02 Week Online Joint Faculty Development Programme on "System Design Methodologies for Embedded, IoT, AI, & HPC using Intel FPGA",Organized by Electronics & ICT Academies at IIT Guwahati, NIT Patna, MNIT Jaipur and NIT Warangal during 19thApril–30thApril2021.

AWARENESS PROGREAMMES CONDUCTED FOR STUDENTS

S. No.	Details of participants	Event attended	Organized by	Topic	Dates of Event
1	III Year Students	Training Programme	CDC Cell, VNRVJIET	Python Programming	Every Tuesday till end of the Course
2	III Year Stdents	Training Programme	CDC Cell, VNRVJIET	C & DS	Every Friday till end of the Course
3	II Year Students	Training Programme	CDC Cell, VNRVJIET	C & DS	Every Tuesday till end of the Course
4	Damodar Darshan Kolla, IV Year EIE	Workshop	Indo-Universal Collaboration for Engineering Education (IUCEE) and University of Massachusetts Lowell (UML)	Entrepreneurial Education Professional Development program	15th Jan to 13th Feb 2021
5	III Year EIE	Placement Readiness Programme	Department of EIE	Aptitude Training and Soft Skills Training Programme	07-05-2021 to 26-05-2021
6	IV Year EIE	certification course	Department of EIE	CLAD-Training through LABVIEW	24-05-2021 to 03-06-2021
7	III Year EIE Students 128 attended	Placement Readiness Programme (PRP)- Aptitude Training and Soft Skills Training	Department of EIE	Mathematics basics and basic English grammar	07th May to 26th May 2021 (15 Working days)
8	IV Year EIE Students 132 attended	CLAD-Training	Department of EIE	Lab VIEW	24th May to 3 June 2021

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

Events Attended

S.No	Name of the Faculty & Designation	Event attended	Topic/Title of event	Place of event held & organized by	Dates on which event was held
1	Dr.R.Manjula Sri, Professor & Head	Online session	the chat on "The Making of Indian IT:Engineering New Services	Cyient Technologies	15-05-2021
2	Dr.M.Sreedhar Professor	Online Faculty Development Programme (FDP)	Basics of Bio- Informatics	E & ICT Academy, National Institute of Technology, Warangal in association with University College of Engineering BIT Campus Tiruchirappalli – 620 024	26-05-2021 to 04-06-2021
3	Dr.S.Pranavanand, Assoc.Professor	Webinar	Dealing with Anxiety During CoVID-19	Online & VNRVJIET	07-05-2021
		Webinar	Guiding Students to Select Meaningful Engineering Projects'	Online & La Foundation Dassault Systemes	06-05-2021
		Webinar	Making of indian engineers_Mohan Reddy Webinar	Live history India	15-05-2021

4	Anitha Kulkarni, Assoc.Professor	AICTE sponsored STTP	AI-MIMO, massive MIMO Applications for 5G Wireless Networks using AI	Online	26-4-21 to 1-05-2021
		VNRVJIET-mentoring team	"Lets talk" support session	Online	10-05-21
5	V.Nageshwar, Assoc.Professor	eSIP Online Student Induction Program	Universal Human Values	Online by AICTE	25th May 2021
		AICTE – AQIS Sponsored Six Days Online Short Term Training Program	"Sensor Networks, Internet of Things and Internet of Everything"	Online by AICTE	03-05-2021 to 08-05- 2021.
6	Dr.C.Kiran, Assoc.Professor	Online session	the chat on "The Making of Indian IT:Engineering New Services	Cyient Technologies	15-05-2021
7	A.Adithya Kashyap, Asst.Professor	AICTE - AQIS Sponsored Online STTP	"Sensor Networks, Internet of Things and Internet of Everything"	Online	3-05-2021 to 8-05-2021
8	P V Gopikumar, Asst.Professor	02 Week Online Joint Faculty Development Programme	System Design Methodologies for Embedded, IoT, AI, & HPC using Intel FPGA	Organized by Electronics & ICT Academies at IIT Guwahati, NIT Patna, MNIT Jaipur and NIT Warangal.	19-04-2021 to 30-04-2021
9	D.Srilaxmi, Asst.Professor	30 days Matlab Master class	Matlab Master class	Organized by, pantech prolabs india pvt ltd.	17-05-2021 to 15-06-2021.
10	D.Swetha, Asst.Professor	webinar	Orientation of PBL Symposium	PBL Symposium	06-05-2021

		Online Course	Introduction to PBL	PBL Symposium	14-05-2021
		Webinar	Why deep learning techniques over traditional machine learning methods?-A practical introspection	Department of EECE, GITAM UNIVERSITY, Visakhapatnam	29-05-2021

Events Organized

➢ One Week Faculty Development program is organized on "Social Robotics & AI", by NIT Patna & IITDM Jabalpur with collaboration with VNRVJIET Hyderabad from 28th June -04th July 2021.

➢ Guest Lecture is organized for III Year EIE Students on" Applications of IoT", by Mr.Bapuji Kanaparthi CEO, Appleton Innovations, Visakhapatnam on 30th June 2021 during 11:00am to 12:00noon.

Faculty Participation

S.No	Name of the Faculty & Designation	Event attended	Topic/Title of event	Place of event held & organized by	Dates on which event was held
1	Dr.R.Manjula Sree, Professor & Head	Webinar	Women in Engineering as Heroes –Leading from front	IEEE Hyderabad Women in Engineering AG	23rd June 2021
		Online Meeting	Healthcare Product Innovation Team meeting	VNRVJIET	22-06-2021 to 28-06-2021
2	Dr.M.Sreedhar Professor	Online Faculty Development Programme (FDP)	Basics of Bio- Informatics	E & ICT Academy, National Institute of Technology, Warangal in association with University College of Engineering BIT Campus Tiruchirappalli – 620 024	26-05-2021 to 04-06-2021
3		Faculty Development Programme (FDP)	Machine Learning And Deep Learning With Python	National Institute of Technology, Warangal	21-06-2021 TO 28-06-2021
4	Dr.S.Pranavanand, Assoc.Professor	Online Course	AI for Everyone: Master the Basics	EdX	29-05-21 onwards till August 2021
5	Dr.C.Kiran, Assoc Professor	Online Meeting	Healthcare Product Innovation Team meeting	VNRVJIET	22-06-2021 to 28-06-2021

6	A.Adithya Kashyap, Asst.Professor	Faculty Development Programme (FDP)	Role of Mathematics in Latest Engineering Trends	Department of H&S, Lords Institute of Engg. & Tech.	4-6-2021 to 10-06-2021
7		Faculty Development Programme (FDP)	Innovative Teaching & Research in Science: Exploring the New Horizons	Government First Grade College, Bengaluru	10-06-2021 to 15-06-2021
8	G.Vamsi Krishna, Asst.Professor	1 week Faculty Development Programme (FDP) - ATAL	Smart Sensors Based Industrial Automation and Healthcare Technology	Organized by P.S.R Engineering College	7-06-2021 to 11-06-2021
9	N.Akshay, Asst.Professor	International Conference	ICETICT-21: International Conference on Emerging Trends in Information and Communication Technology	Shri Vaishnav Vidyapeeth Vishwavidyalaya Indore, India	4-06-2021 to 5-06-2021
10		Training & Certification (FDP)	Journal Citation Reports (JCR) Training & Certification Program 2021 - Part 1 & 2	Clarivate	15-06-2021 & 17-06-2021
11	P V Gopikumar, Asst.Professor	02 Week Online Joint Faculty Development Programme	System Design Methodologies for Embedded, IoT, AI, & HPC using Intel FPGA	Organized by Electronics & ICT Academies at IIT Guwahati, NIT Patna, MNIT Jaipur and NIT Warangal.	19-04-2021 to 30-04-2021
12	D.Srilaxmi, Asst.Professor	30 days Matlab Master class	Matlab Master class	Organized by, pantech prolabs india pvt ltd.	17-05-2021 to 15-06-2021.
13	D.Swetha, Asst.Professor	Workshop	Accelerating Project-based Learning using Internet of Things and ThingSpeak and Break through AI	RRSPBL, IUCEE	18-06-2021 to 19-06-2021

Research and Development (R & D)

S. No.	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	Date/ Month & Year of publica- tion
1.	Dr.K.Sudha Rani, Assoc.Professor, EIE	Dr.K.Sudha Rani, K.Manikumari, Dr.T.Nireekshna, D.V.Shobana, N.Kavitha, B. Bagya Sri	Identification of Brain Tumors using Volume rendering Techniques	IEEE International Conference on Artificial Intelligence and Smart Systems ICAIS 2021	27th March 2021
		S.Sudha Rani, B.Priya Madhuri	Plant Leaf Disease Detection using Machine Learning Techniques	Computer Networks and Inventive Communication technologies, Springer	April 2021
2.	Dr.K.Vidya Sagar, Professor,EIE	Appari Geetha Devi, Surya Prasada Rao Borra and Kalapala Vidya Saga	Book Chapter: A Hybrid Image Fusion Algorithm for Medical Applications	Intechopen	16th April 2021
3.	Dr.C.Kiran. Associate Prof, EIE Dept	P. Sushma Devi, D.Ravi kumar	Loss Minimization and Reliability Enhancement in Electrical Power Distribution	2nd International Conference for Emerging Technology (INCET)	21st-23th, May 2021.

		Systems using Network Reconfiguration with Loss Sensitivity Factor		
Anita Kulkarni Associate Prof, EIE Dept	Anita Kulkarni , C. V. Rambabu , M. Harikrshna	Automatic Primary Commodity Quality Testing Device in Huge Pantries	International Journal of Science and Research (IJSR)	June 2021
Mr.V.Nageshwar, Assoc.Professor	V.Nageshwar, Dr.Y.Padma Sai, Dr.K.Subba Rao	Detection of Epileptic Seizures in Long-Term Human EEG by Improved Linear Discriminant Analysis (ILDA)	International Conference on Advanced Informatics for Computing Research ICAICR 2020	21st June 2021
Naregalkar Akshay Assistant Prof, EIE Dept	Naregalkar Akshay Damera Saiteja Dr.B. Rajasekhara Reddy Martha Sripal	Applications of Information and Communication Technology in Health Monitoring System	AVDHARAN-2021 Conference on Emerging Trends in Information and Communication Technology	June 04-05, 2021
Mrs.J.Jyothirmai Asst.Professor	Samera Saiteja, B. Rajasekhara Reddy, Martha Sripal , Affiliation: VNRVJIET	Applications of Information And Communication Technology In Health Monitoring System	ICETICT-21: International Conference on Emerging Trends in Information and Communication Technology	4th-5th June 2021

"Don't find fault, find a remedy." -Henry Ford

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

S. No	Particulars of the Event	Beneficiaries	Date	No. of Participants	Impact of Program
1	Received Outstanding Achievement as New Jaycee award	S. Sriya (17071A10B1)	20-07-21	10	Got knowledge on Junior Chamber International
2	Training Program	III Year EIE students	3rd July 2021	120	Students got benefited on various technologies
3	Control Operations in Oil and Gas Industries	II Year EIE Students of both section	22nd July 2021	55	Students got benefited various control strategies
4	Have you connected to the real-world using technologies yet	II & III Year Students	20th July 2021	135	Got knowledge on real-world technologies
5	2nd Prize at Tech Srusthi competition conducted by Shri Vishnu College of Engineering for Women	Sai Sundara Amulya Ganti (17071A10A9) and Venkat Surya Teja Chereddy (17071A10B5)	07th September 2021	25	Competitive knowledge

"I can't change the direction of the wind, but I can adjust my sails to always reach my destination .- Jimmy Dean

Faculty Achievements

Dr.R.Manjula Sri, Professor & Head EIE, submitted application for organizing IEEE International Conference in Collaboration with Dr.Y.Padma Sai, Head,ECE.

➢ Dr.C.Kiran, Assoc.Professor, EIE and Dr.R.Manjula Sri, Professor & Head, EIE submitted Project proposal to NIDHLiTBI application by VNRVJIET in collaboration with Dr.Y.Padma Sai and team; from other departments.

➢ Dr.Kiran Chakravarthula, Associate Professor,EIE has received "Faculty Excellence Award - 2021", Excellence in caring for Students Career by Ed & ImmiGo, Overseas Education, Immigration & Coaching, A company of CORP2CORP INC/USA on 5th September 2021.

➢ Dr.Manjula Sri Rayudu, Professor & Head, has successfully completed the AICTE / UKIERI Leadership and Management programme and was awarded the CMI level 5 award in management and Leadership.

➢ Mr.V.Nageshwar, Assoc Professor,EIE has received "Faculty Excellence Award -2021", Excellence in caring for Students Career by Ed & ImmiGo, Overseas Education, Immigration & Coaching, A company of CORP2CORP INC/USA on 5th September 2021.

"I didn't fail the test. I just found 100 ways to do it wrong.." **- Benjamin Franklin**

Faculty Participation

- Dr.M.Sreedhar, Professor, attending NPTEL Course on PROGRAMMING,DATA STRUCTURES AND ALGORITHMS USING PYTHON from Chennai Mathematical Institute, Chennai from 26-07-2021 to 17-09-2021.

- Dr.C.Kiran, Assoc Professor, attended a meeting at CIE, IIITH as the representative of VJ Hub at the Telangana Incubators and Enablers Network on 03-08-2021.

- A.Adithya Kashyap, Asst.Professor, attended Webinar on Cutting Edge Technologies in Defence organized by Department of Automobile Engineering VNRVJIET Hyderabad on 21-08-2021.

- Dr.C.Kiran, Assoc Professor, Attended IIC Regional Meet at SNIST as the Convener-IIC on 12-08-2022.

- Dr.R.Manjula sri, Professor & Head attended and presented a paper entitled, Breast masses classification using Contour shape descriptors based on beam angle statistics, at an ieee conference ICIRCA2021 held during 2-3 Sep 2021,at At RVS college of Engg And Tech , coimbatore virtually.

- Dr. R .Manjula Sri,Professor & Head, served as Session chair for a technical session on 17-9-2021 at All India Seminar on "Technological Advancements in Healthcare, Challenges - A Role of Medical Image Processing" held on 17&18 September, 2021,Organised virtually by IEI and IEEE Hyderabad section.

- Dr. R.Manjula Sri, Professor & Head, Delivered a lecture on Image processing for detection of Retinal diseases on 18-9-2021 at All India Seminar on "Technological Advancements in Healthcare, Challenges - A Role of Medical Image Processing" held on 17&18 September, 2021,Organised virtually by IEI and IEEE Hyderabad section.

- Dr.M.Sreedhar, Professor, attending NPTEL Course on POWER PLANT ENGINEERING from IIT Roorkee from 26-07-2021 to 17-09-2021.

- Dr.M.Sreedhar, Professor, attending NPTEL Course on INTRODUCTION TO MACHINE LEARNING from IIT Kargpur from 26-07-2021 to 17-09-2021.

- Dr.M.Sreedhar, Professor, attending NPTEL Course on PROGRAMMING,DATA STRUCTURES AND ALGORITHMS USING PYTHON from Chennai Mathematical Institute, Chennai from 26-07-2021 to 17-09-2021.

- Anitha Kulkarni, Assoc.Professor, attended Online International Webinar on "Deep Learning in Health Care", at VNRVJIET on 18th September 2021.

- V.Nageshwar, Assoc.Professor, attended ATAL Faculty Development Program on "Stress Management", organized by Department of Computer Science, VNRVJIET during 13th-17th September 2021.

- V.Nageshwar, Assoc.Professor, attended Online Seminar on "Technological Advancements in Healthcare, Challenges - A Role of Medical Image Processing", conducted by IEITSC, Hyderabad. On 18th September 2021.

- Dr. Chakravarthula Kiran, Assoc. Professor, attended virtual International Conference on "Non-invasive Blood Sugar Measurement using NIR Spectroscopy", organized by Vasavi College of Engineering on 18th September 2021.

- Dr. Chakravarthula Kiran, Assoc. Professor, attended International Webinar on "Global Ethics: What should Aspiring Entrepreneurs know", organized by UMass Lowell and IUCEE on 23rd September 2021

- A.Adithya Kashyap, Asst.Professor, attended ATAL Faculty Development Program on " IoT With Edge Computing", Organized by Department of Computer Science, University College of Engineering, Osmania University during 14th-18th September 2021

- A.Adithya Kashyap, Asst.Professor, attended workshop on "Nuclear Energy and Measurement", organized by Department of Instrumentation and Control EngineeringNIT Tiruchirappalli during 23rd-25th September 2021

"It always seems impossible till you do it."   -Nelson Mandela-

Research and Development (R & D)

S. No.	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	Date/ Month & Year of publica-tion
	Dr.R.Manjula Sri, Professor & Head/EIE	Spandana Paramkusam, Jyothirmaye Tottempudi, Manjula Sri Rayudu	Breast Masses classification using contour shape descriptors based on Beam Angle Statistics	3rd IEEE International Conference on Inventive Research in Computing Applications	2nd - 3rd September 2021
	Dr.Kiran Chakravarthula, Associate Professor/EIE	Chakravarthula, Tejas S Shah, Divya Pathak	Non-invasive Measurement of Blood Sugar using Near-Infrared Spectroscopy	5th International Conference on Smart Computing and Informatics (SCI-2021)	17th –18th September, 2021
1.	D.Srilaxmi, Assistant Professor/EIE	D.Srilaxmi, Dr.Poonguzhali	Review on Different Training Procedures for Distinguishing Eye Malady By Utilizing Oct Pictures	2nd International Conference on Data Intelligence and Cognitive Informatics ICDICI 2021	16th - 17th July 2021

				August 2021
2.	P. Sampurna Lakshmi, Assistant Professor/EIE	C. Abhishek, K. Shiva Shankar, G. Vijay, Y. Harsha	5G-IOT Architecture of Distribution Transformer Parameter Fault Detection System	International Journal of Applied Engineering Research	
3.	Jyothirmai Joshi, Assistant Professor/EIE	Sai Nikitha, Viswa Chandrika, Sindhu, Jahnvi	Kidney stones detection using Image processing technique	International Journal of Applied Engineering Research	August 2021

EIE Times

- Measure the power of Instrumentation -

Department of Electronics and Instrumentation Engineering

Editorial

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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

S. No	Particulars of the Event	Beneficiaries	Date	No. of Participants	Impact of Program
1	Android App Development FDP using Java	Bogguri Veda Reddy	23rd – 30th Oct - 2021 and 02nd Nov 2021.	25	Got extensive knowledge on Android App Development FDP using Java
2	Is India a Selft Reliant Country with Integrity after 75 years of Independence	L.Varsha, , IV EIE	12-11-2021	35	Debate competition
3	T-Tribe Launch pad Programmee	Damodar Darshan Kolla of IV Year EIE	23rd Jan 2021		Got knowledge on T-Tribe launch pad programme
4	Indo-Universal Collaboration for Engineering Education (IUCEE) and University of Massachusetts Lowell (UML)	Damodar Darshan Kolla, IV Year EIE	15th Jan to 13th Feb 2021	01	Entrepreneurial Education Professional Development program

5	India International Innovation & Invention Expo (INEX 2021)	D Anushka (19071A1065),	13-16 Dec 2021	20	Exposure on Global Young Scientist Challenge(GYSC) Project Expo
6	IoT based wireless health monitoring system project	G Bala Krishna (19071A1069	13-16 Dec 2021	25	Exposure on Global Young Scientist Challenge(GYSC) Project Expo

Student Publications

S. No.	Student Name, & Roll No.	List of Authors in the order that appears on the paper	Full title of the paper	In which the paper published	Impact of Program
1.	Chitneedi Tejaswi (18071A1075)	Kalyan K Srinivas, Peddi Anudeep. K.Jyostna, R.Sravanth Kumar	Artificial Intelligence based Smart Traffic Control with Multi Agent Intersection System	International Conference on Artificial Intelligence: Theory & Applications AITA-2021 Organized by Dept. of Electronics & Communication Engineering National Institute of Technology Patna, India	Paper Presented during 23rd -24th Dec 2021
2.	Pujika Upadhyay (18071A1047)	Kalyan K Srinivas, Peddi Anudeep, Poonam Upadhyay	Applications of Artificial Intelligence in Robotics for Human Habitation on MARS	International Conference on Artificial Intelligence: Theory & Applications AITA-2021	Paper Presented during 23rd -24th Dec 2021

"I didn't fail the test. I just found 100 ways to do it wrong.."   - Benjamin Franklin

				Organized by Dept. of Electronics & Communication Engineering National Institute of Technology Patna, India	
3.	Bodempudi Amulya (18071A1005)	Kalyan K Srinivas, Peddi Anudeep,Pinninti Kishore, Manjula Sri Rayudu	Role of Artificial Intelligence in Agriculture and Its Applications in Farming	International Conference on Artificial Intelligence: Theory & Applications AITA-2021 Organized by Dept. of Electronics & Communication Engineering National Institute of Technology Patna, India	Paper Presented during 23rd -24th Dec 2021

Faculty Achievements

➢ Dr.R.Manjula Sri, Professor & Head, EIE has been unanimously elected as Vice-Chair for the Instrument Society of India (ISOI), Hyderabad Chapter for the year 2021-2024.

➢ Mr.V.Nageshwar, Assoc Professor, EIE was elected as executive committee member for the Instrument Society of India (ISOI), Hyderabad Chapter for the year 2021-2024.

➢ Dr.R.Manjula Sri, Professor & Head, EIE has been awarded the Chartered Management Institute (CMI) Level 5 Award in Management and Leadership by UK–India Education and Research Initiative (UKIERI) programme organized by British Council, UK in association with AICTE, New Delhi.

➢ Mr.V.Nageswar, Assoc.Professor, Successfully completed and got certificate of NPTEL Online Certification course on "**Introduction to Industry 4.0 and Industrial Internet of Things",** from July – October 2021.

AWARENESS PROGREAMMES CONDUCTED FOR STUDENTS

S. No.	Details of participants	Event attended	Organized by	Topic	Dates of Event
1	IV Year EIE students	Certification Course	Vision IT Solutions	Robotics	20th-29th Oct 2021
2	II Year EIE students	Guest Lecture	Dept of EIE	Sensors in IoT	23rd October 2021
3	III Year EIE 21 Students Attended	Competency Development Centre (CDC) Training	CDC	Python Programming	20th October 2021
4	III Year EIE 49 Students Attended	Competency Development Centre (CDC) Training	CDC	Machine Learning for Engineering Applications	21st October 2021
5	III Year EIE 51 Students Attended	Competency Development Centre (CDC) Training	CDC	C & DS	25th October 2021

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

Event organized

S. No.	Details of participants	Event attended	Organized by	Topic	Dates of Event
1	II B. Tech Lateral Entry students of academic year 2021-22	Bridge Classes	Department of EIE, VNRVJIET.	Subjects of II Year	4th-7th October 2021.
2	III Year I Sem Students	Training Programme	AICTE Prerana 2021-22.	Gate Classes	23rd-24th October 2021.
3	II Year EIE students	Guest Lecture (Online)	Dept of EIE, VNRVJIET	**Sensors in IoT**	30th October 2021
4	II & III Year Students	Guest Lecture	Dept of EIE, VNRVJIET	Marvels of Lights, Optics, Lasers and Photons	15-11-2021
5	III Year & IV Year students	GATE Classes under AICTE Prerana Scheme	AICTE Prerana Scheme	GATE Classes	3rd,5th,20th,21st,27th & 28th Nov 2021

Faculty Participation

- Dr.R.Manjula Sri, Professor & Head, Presented a Paper in IEEE Global Conference for Advancement in Technology titled "Deep Learning Methods for the Assessment of Vascular Diameters for Diabetic Retinopathy Screening", 2nd GCAT 2021 (in Virtual mode) on 1st October 2021.
  Authors : Yagna Sai Kalyan, Shashank Rao, Satyanarayana Teja, Lakshmikala, Manjulasri

- Dr.R.Manjula Sri, Professor & Head, Presented a Paper in IEEE Global Conference for Advancement in Technology titled "Tensor flow Object Detection Model for Retinal Vascular Junction Extraction at 2nd GCAT 2021 (in Virtual mode) on 03-10-2021.
  Authors : Md.Shoaib, Greeshma Nethrikaa, Sriharsha, Lakshmikala, Manjulasri

- Dr.R.Manjula Sri, Professor & Head, attended IEEE R10 MINI, panel of Conference Organized (POCO) event on 02-10-2021 to 03-10-2021 organized by IEEE Hyderabad Section.

- Dr.M.Sreedhar, Professor, attending Faculty Development Program on Machine Learning for Signal Processing organized by NIT Warangal during 25th October -05th November, 2021.

- Dr.C.Kiran, Associate Professor, attended Attending Blockchain related event by IdeaLabs at Tech Mahindra Learning Centre, as the SPoC for the MoU regarding Blockchain with IdeaLabs on 23-10-2021.

- G.Vamsi Krishn, Asst.Professor, attended virtual Faculty Development Program on "Mathematical Modelling and Controller Design for Non-Linear Process", conducted by Sree Vidyanikethan Engineering College in collaboration with AICTE Training and Learning (ATAL) Academy during 11th-15th Oct 2021.

"It always seems impossible till you do it."   -Nelson Mandela-

Research and Development (R & D)

S. No.	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	Date/ Month & Year of publica-tion
1.	Dr.R.Manjula Sri, Professor & Head, EIE	Yagna Sai Kalyan, Shashank Rao, Satyanarayana Teja, Lakshmikala, Manjulasri	Deep Learning Methods for the Assessment of Vascular Diameters for Diabetic Retinopathy Screening	IEEE Global Conference for Advancement in Technology at 2nd GCAT 2021 (in Virtual mode)	1st October 2021.
2.		Md.Shoaib, Greeshma Nethrikaa, Sriharsha, Lakshmikala, Manjulasri	Tensor flow Object Detection Model for Retinal Vascular Junction Extraction	IEEE Global Conference for Advancement in Technology at 2nd GCAT 2021 (in Virtual mode)	3rd October 2021.
3.		Ms.Lakshmikala, Dr.R.Manjula Sri	Retinal Vascular network segmentation using concatenated CNN architecture	3rd IEEE International Conference on Smart Generation Computing Communication and Networking (SMARTGEN 2021)	**29th - 30th October 2021.**

"Good, better, best. Never let it rest till your good becomes better and better becomes best." - St. Jerome-

		Chitla Abhishek, Kalyan K Srinivas, Peddi Anudeep, Priyanka V Brahmai,	Role of Artificial Intelligence-Robot during COVID-19 pandemic and its Technological Limits: A Review	International Conference on Artificial Intelligence: Theory & Applications AITA-2021 Organized by Dept. of Electronics & Communication Engineering National Institute of Technology Patna, India	During 23rd - 24th Dec 2021
Dr.R.Manjula Sri, Professor & Head, EIE		Sathwka Billa, Kalyan K Srinivas, Peddi Anudeep, Dr.Y.Padma Sai,	Role of Artificial Intelligence in the Diagnosis of chronic Skin Disease and its necessity.	International Conference on Resent Trends in Electrical Electronics Communication and Instrumentation Engineering -2021.	27th Dec 2021
		Bodempudi Amulya Kalyan K Srinivas, Peddi Anudeep, Pinninti Kishore,	Role of Artificial Intelligence in Agriculture and Its Applications in Farming	International Conference on Resent Trends in Electrical Electronics Communication and Instrumentation Engineering -2021.	27th Dec 2021
Ms.S.Vandana	S.Vandana, Dr.T.Madhavi	Implementation of opinion trust algorithm for secure data transmission in wanets	Indian Journal of Computer science and Engineering	October 2021	

Guest Lectures

> Online Webinar is organized for 2nd & 3rd year students of ECE, EIE & EEE on "**Insight into IoT**,**" by Mr. N.Venkatesh, Senior Director, Engineering, Silicon Labs, Hyderabad during 16th ,17th , 19th & 23rd Nov 2021. under AICTE-IANE- Distinguished Visiting professor VNRVJIET

➢ Diagnosis Test of Oxford University is conducted for III & IV Year lateral entry students on "**English Certification Course**", on 17-11-2021. 24 LE students from the department written online test.


➢ Department of Electronics & Instrumentation Engineering in association with ISOI student chapter organized **POSTER PRESENTATIONS on "REDESIGN YOUR WORLD",** for faculty and students at **SHOW & TELL (Panda Punnaiah Square)** on 20th November 2021 at 2:30pm.

➢ Robotics Training Programme-Display of models by IV Year EIE Students.

- A Special Session on "Mind Management", is organized for 3rd Year Students by Mr. Manas Ram, Cognitive Behavioral therapist, Life Coach, NLP Practitioner on 07-12-2021 from 11:30AM to 1:30PM in K.S. Auditorium.
  83 students from 3rd year EIE (both sections) and two faculty members attended the session.

- Interaction Session is conducted for III Year EIE Students on "GATE, GRE, TOEFL, IELTS, MBA and other competitive exams", by Mr. David.J.Xavier, Asst. Manager and his team from T.I.M.E Institute, secunderabad on 10-12-2021 during 11:00AM to 12:00Noon.

- Guest Lecture is organized for EIE students on "Bio-Inspiration: An interdisciplinary approach for nature inspired innovation", by Dr. Amarnath Surapaneni, Post-doctoral Researcher, Max Planck Institute of Colloids and Interfaces, Germany in Room no-C-205 on 11th Dec 2021 at 2:00PM to 4:00PM.
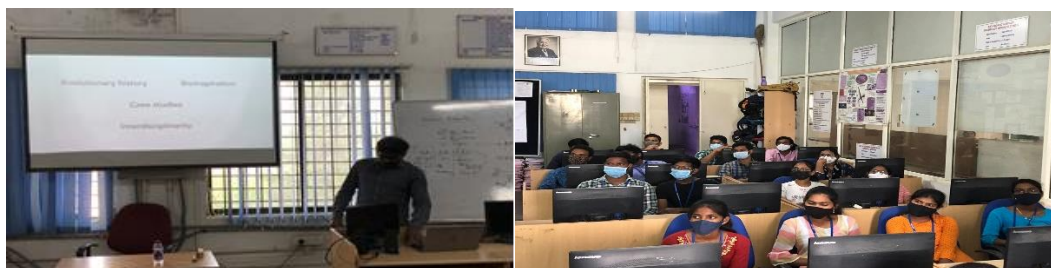
- Dr.K.Sudha Rani & Dr.C.Kiran, Assoc Professors, participated as mentors for student teams in Robothon Inter-College of Robotics Competition- 2021 at Military College of Electronics and Mechanical Engineering (MCEME), Secunderabad during 17th & 18th Dec 2021.

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