Newsletter

Electro Vision '20

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Sri Indu College of Engineering & Technology

An Autonomous Institution Under UGC

Recognized under 2(f) and 12(B) of UGC Act 1956

NAAC & NBA Accredited, Approved by AICTE and Permanently affiliated to JNTUH, Hyderabad.

Cell No: 9347306999, 9347363999, 7093703888, 9347353999 - www.sriindu.ac.in

Estd.: 2001

An ISO 9001 : 2000 CERTIFIED COLLEGE

EAMCET, PGCET & ICET Code : **INDU**

CAMPUS PLACEMENTS ORIENTED INSTITUTION

Department of Electronics and Communication Engineering

INSTITUTION VISION (IV)

To be a premier Institution in Engineering & Technology and Management with competency, values, and social consciousness.

INSTITUTION MISSION (IM)

IM1: Provide high quality academic programs, training activities and research facilities.

IM2: Promote Continuous Industry-Institute interaction for employability, entrepreneurship, leadership, and research aptitude among stakeholders.

IM3: Contribute to the economic and technological development of the region, state, and nation.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DEPARTMENT VISION (DV)

To be a centre of excellence in Electronics and Communication Engineering Education to produce professionals for ever-growing needs of society.

DEPARTMENT MISSION (DM)

DM1: To promote and facilitate student- centric learning.

DM2: To involve in activities that enable overall development of stakeholders.

DM3: To provide holistic environment with state-of-art facilities for students to develop solutions for various social needs.

DM4: Organize trainings in embedded systems with Industry interaction.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Accomplish technical proficiency for the efficacious ECE Professional.

PEO2: Pursue higher studies with emphasizing design, test, and development of the systems to meet the industry and societal needs.

PEO3: Become entrepreneur by practicing ethics, professional integrity, and leadership qualities.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO 1: To manure and empower the SICET-ECE students strong in practical, technical and research domains in the areas of Signal/Image processing. VLSI and wireless Communication.

PSO 2: To design and develop a prototype system that will incorporate user requirements using modern devices and emerging technology for industry automations.

PSO 3: To make the SICET-ECE students as successful industry ready engineers by imparting essential interpersonal skills and widespread exposure on multi-disciplinary technologies.

POS	PROGRAM OUTCOMES STATEMENTS
PO1	**Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	**Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	**Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	**Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	**Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	**The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to the professional engineering practice
PO7	**Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and contexts, and demonstrate the knowledge of, and need for us environmentally sustainable development
PO8	**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	**Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	**Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	**Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	**Life-long learning:** Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

DEPARTMENT ACHIEVEMENTS

➢ 112 placements in the academic year 2019-20.

➢ Accredited by NAAC.

➢ Accredited by NBA under Tier-1.

➢ Collaboration with CISCO Networking academy.

➢ Collaboration with Service Now & SAP students Training Partner.

➢ College is recognized as an Active Local Chapter by SWAYAM NPTEL, IIT Madras.

➢ 253 Faculty and Students received SWAYAM-NPTEL Certification from IIT's and IISc.

➢ Sri Indu Practice hub bagged 1st Prize by AICTE from Telangana State for startup and Mentorship Program.

➢ Received Appreciation certificate for waste Management from ITC Group.

➢ 339 MOOC online certificate courses completed from COURSERA by Faculty and students from reputed foreign universities.

MOOCs- SWAYAM NPTEL CERTIFICATES

Students

S. No	Course Name	Name	Final Score	Certificate Type
1	Embedded System Design with Arm	P Sri Shantan	80	Elite+Silver
2	Analog Communication - Online	Miryala Nandhini	55	Successfully Completed
3	Analog Communication - Online	D Chaitanya Shree	54	Successfully Completed
4	Analog Communication - Online	Pallerla Vamshi	56	Successfully Completed
5	Analog Communication - Online	Burugu Harika	53	Successfully Completed
6	Analog Communication - Online	Lingala Bhuvana Sri	54	Successfully Completed
7	Analog Communication - Online	Nenavath Praveen	54	Successfully Completed
8	Introduction To Embedded System Design	Ajay Rangishetti	70	Elite

PROFESSIONAL MEMBERRSHIPS IN SICET

- ➢ **IEEE-** Institute of Electrical and Electronics Engineers
- ➢ **ASME-** American Society of Mechanical Engineers
- ➢ **CSI-**Computer Society of India
- ➢ **IETE-** Institution of Electronics and Telecommunication Engineers
- ➢ **ISTE-** Indian Society for Technical Education
- ➢ **DELNET-**Developing Library Network
- ➢ **NDL-** National Digital Library of In*dia*
- ➢ **NLIST -** UGC e-Shod Sindhu Consortium
- ➢ **JGate-** JGate Engineering and Technology

MOOCS

- ➢ SWAYAM NPTEL Local Chapter
- ➢ COURSERA Campus Program

CAMPUS RECRUITMENT TRAINING- CRT

Campus Recruitment Training (CRT) is to aid candidates in their preparation for Recruitment through Campus or outside campus. Program which is exclusively designed for the students preparing for recruitment and is geared towards ensuring that the students are well equipped to get through the recruitment process of various IT and NON-IT companies. Daily training sessions for the students by the CRT and regular practice on Soft Skills, Quantitative aptitude, & Mock Interviews, Group Discussions, Reasoning Logical & Analytical, Personality Development Skill, Speaking Communication Skill, Personal Interviews Presentation skill and Resume Preparation. The program has different modules for preparing the job aspirant to tackle the interview process like: Written Test and Aptitude test, Company specific Comprehensive Tests, Guidance about the selection processes followed by various companies.

PLACEMENT DETAILS

S. No	Students Name	Company Name
1.	Akhil Ayyanki	Tech Mahindra Ltd
2.	Pavan Kumar Thota	Capgemini
3.	Sadhana Priya Singham	Capgemini
4.	Vamsi Krishnama Chary	Tata Consultancy Services
5.	Rahul Macha	ALBENUS
6.	Gaddam Vamshi Krishna	Tech Mahindra Ltd
7.	Volem Sankateh	Capgemini
8.	M Jaipal	GHMC
9.	Sai Priyanka	HCL Technologies Ltd
10.	Jajjula Sandeeep	Infosys
11.	Penta Satwik	Accenture
12.	Pendem Manoj Chakravarthi	EIDIKO
13.	Dinesh Narra	TCS
14.	Sravya Nermati	Accenture
15.	Manusani Bindu Priya	Accenture
16.	K B Shiva Naga Priya	JGD Tech Pvt Ltd
17.	K Raju	BRIGOSHA
18.	Gadari Shiva	CYIENT
19.	G Vamshidhar Reddy	SHRO Systems Pvt Ltd
20.	Ravi Varma	Bosch Global Software
21.	Himabindu Tetretupally	Tata Consultancy Services
22.	Donadula Rajashekhar	Accenture
23.	Nacharam Manikumar	Infosys
24.	Suresh Kumar Nelanti	Accenture
25.	Jorala Vardhan	HCL Technologies Ltd
26.	S Kiran	Murali Manpower Agencies
27.	Suchitha Nethakani	Accenture

Atal Ranking of Institutions on Innovation Achievements

TECHNOTSAV 2020

SICET provides opportunities and motivate the students to participate in the various National and International technical events and competitions to enhance the technical knowledge. To create an interest in the field of science and technology among students, TECHNOTSAV is also organized every year.

Department wise student chapters under professional bodies and technical societies were formed. Students actively participate and organize various events through these chapters as per the departmental needs and requirements for overall development. Technical activities enhance the technical knowledge of students in the field of design, analysis, manufacturing, and testing of different engineering systems. Through these activities, students improve their qualities such as time management, project management, costing, marketing skills, event management, communication skills etc. Similarly social activities enhance and create social awareness and responsibilities among the students.

Also, SICET faculty members are encouraged to participate in skill enhancement programs, FDPs and to enroll for the quality improvement schemes. Through this the overall teaching learning process is improved on par with the latest emerging technologies.

FACULTY ACHIEVEMENTS

The lists of following faculty members were participated in NPTEL NOC MOOC courses and achieved various categories

S.No	Course Name	Faculty Name	Designation	Score	Certificate Type
1	Introduction to Internet of Things	Ms.Deepika Rathod Bhukya	Asst.Prof	100	Elite+gold
2	Introduction to Internet of Things	Dr.G.Suresh	Professor	95	Elite+gold
3	Introduction to Internet of Things	Dr.J,Martin Sahayaraj	Professor	91	Elite+gold
3	Evolution of Air Interface towards 5G	Mrs.Lavanya Nalla	Asst.Prof	87	Elite+Silver
4	Evolution of Air Interface towards 5G	Mrs.K Maheshwari Devi	Asst.Prof	85	Elite+Silver
5	Modern Digital Communication Techniques	Mrs.Lavanya Nalla	Asst.Prof	84	Elite+Silver
6	Modern Digital Communication Techniques	Mrs.Prathyusha V	Asst.Prof	80	Elite+Silver
7	Evolution of Air Interface towards 5G	Mrs.Prathyusha V	Asst.Prof	77	Elite+Silver
8	Modern Digital Communication Techniques	Mrs.Sravanthi G	Asst.Prof	76	Elite+Silver
9	Modern Digital Communication Techniques	Mrs.K Maheshwari Devi	Asst.Prof	73	Elite
10	Modern Digital Communication Techniques	Mrs.Kotra Raghu Rajitha	Asst.Prof	72	Elite
11	CMOS Digital VLSI Design	Mrs.Somisetti Ashalatha	Asst.Prof	71	Elite
12	Introduction to Internet of Things	Mrs.Sandhya Bolla	Asst.Prof	70	Elite
13	Fuzzy Logic and Neural Networks	Dr.N C Sendhilkumar	Professor	68	Elite
14	Fuzzy Logic and Neural Networks	Dr.G.Suresh	Professor	67	Elite
15	Embedded System Design with ARM	Dr.G.Suresh	Professor	67	Elite

16	Modern Digital Communication Techniques	Mrs Deepika Rathod	Asst.Prof	66	Elite
17	Modern Digital Communication Techniques	Mr.Kanugu Ram Mohan Rao	Asst.Prof	64	Elite
18	Evolution of Air Interface towards 5G	Mrs Pasula Mamatha	Asst.Prof	61	Elite
19	Evolution of Air Interface towards 5G	Mrs Sarada.R	Asst.Prof	61	Elite
20	CMOS Digital VLSI Design	Mrs Udayasri P	Asst.Prof	61	Elite
21	CMOS Digital VLSI Design	Mrs B.Hemavathi	Asst.Prof	61	Elite
22	CMOS Digital VLSI Design	Mrs Thummala Nagaveni	Asst.Prof	61	Elite
23	Introduction to Soft Computing	Dr.G.Suresh	Professor	59	Successfully completed
24	Evolution of Air Interface towards 5G	Mrs Kotra Raghu Rajitha	Asst.Prof	57	Successfully completed
25	CMOS Digital VLSI Design	Mrs D Sandhya Rani	Asst.Prof	56	Successfully completed
26	CMOS Digital VLSI Design	Mrs Payyavula Swathi	Asst.Prof	55	Successfully completed
27	CMOS Digital VLSI Design	Mrs Bommala.Neeraja	Asst.Prof	55	Successfully completed
28	Electromagnetic Waves in Guided and Wireless Media	Gonugunta Raj Kumar	Asst.Prof	54	Successfully completed
29	CMOS Digital VLSI Design	Mrs K Sravani	Asst.Prof	54	Successfully completed
30	Fuzzy Logic and Neural Networks	Dr Mukunthan	Professor	54	Successfully completed
31	Antennas	Mr.Narsimulu Sribaccha	Asst.Prof	52	Successfully completed
32	Introduction to Coding Theory	Mrs Prathyusha V	Asst.Prof	51	Successfully completed

PUBLICATIONS

- **Dr.J.Martin Sahayaraj**, "Artificial Neural Network based Prediction of Responses on Eglin Steel using Electrical Discharge Machining Process", ISSN No:2214-7853 June2020.(Scopus Indexed)

- **Dr. J. Martin Sahayaraj**, "A Hybrid Grey Wolf and Crow Search Optimization Algorithm-based Optimal Cluster Head Selection Scheme for Wireless Sensor Networks", Published in Wireless Personal Communication, ISSN NO: 0929 – 6212, Vol 3, Issue 4, DOI-10.1007/s11277-020-07259-5, 9 April 2020.

- **Joseph Prabhakar Williams H**, 'Smart Energy Management System in Low Power IoT Embedded Systems using Advanced Energy Harvesting Methods', The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), ISSN (Online) 0886-9367, Volume XII, Issue VI, June 2020,pp:2548-2552.

- **Joseph Prabhakar Williams H, Veeramani C, Venkatesh E**, 'A Novel Modified Two-Speed Machine Learning based Radix-4, Serial–Parallel Booth Multiplier Using Intel Cyclone-V FPGA', The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), ISSN (Online) 0886-9367, Volume XII, Issue VI, June 2020, pp:2521-2525.

- **Joseph Prabhakar Williams H**, 'Linear Machine Learning Strategy for Contingency Based Sparse Bayesian Evaluation of Peak Power Aegis in Wscc-9 Bus System', The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), ISSN (Online) 0886-9367, Volume XII, Issue VI, June 2020, pp:2529-2536.

- **Joseph Prabhakar Williams H**, 'A Novel Modified Two-Speed Machine Learning based Radix-4, Serial–Parallel Booth Multiplier Using Intel Cyclone-V FPGA', The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), ISSN (Online) 0886-9367, Volume XII, Issue VI, June 2020, pp:2521-2525.

- **Joseph Prabhakar Williams H**, 'Design of aTree-Based MAC for High-Speed Applications', The International Journal of Advances in Intelligent Systems and Computing (IJAISC).
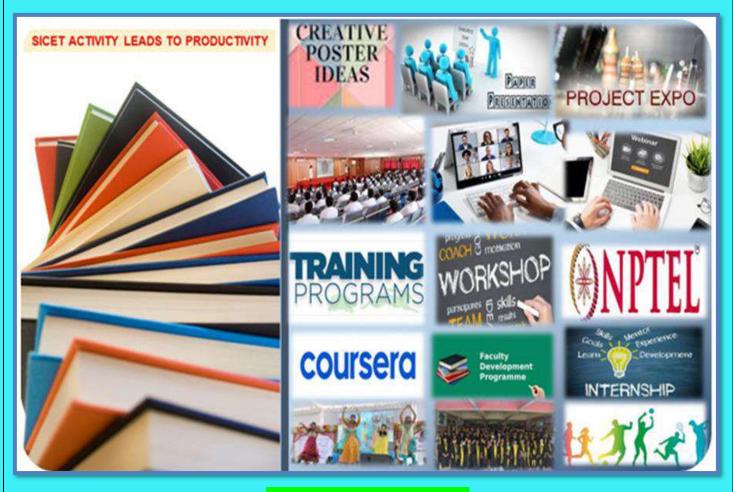
Innovation Lab

Electronic Devices & Circuit Lab

Basic Simulation Laboratory

PDC Lab

RANGOLI

SICET ACTIVITY LEADS TO PRODUCTIVITY

CREATIVE POSTER IDEAS

PROJECT EXPO

TRAINING PROGRAMS

WORKSHOP

NPTEL

coursera

Faculty Development Programme

INTERNSHIP

Robotics Workshop

Chess Tournament

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SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

Main Block

Girls hostel

First year block

ECE Block

Central Library

Cricket Ground