

Newsletter

Electro Vision '21

June 2021 Volume: 5 Issue:2



Estd.: 2001

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

EAMCET, PG CET & ICET Code : **INDU**



An
ISO 9001 : 2000
CERTIFIED COLLEGE



CAMPUS PLACEMENTS ORIENTED INSTITUTION



Department of Electronics and Communication Engineering

**SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY,
HYDERABAD**

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

- 132 placements in the academic year 2020-21.
- Accredited by NAAC.
- Accredited by NBA under Tier-1.
- Received Certificate of Recognition in the band “PROMISING” under the category Colleges/Institutes (private/self-financed/Technical) in All India “Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2021.
- Collaboration with CISCO Networking academy.
- Collaboration with ServiceNow & 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.

PROFESSIONAL MEMBERSHIPS 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 *India*
- **NLIST** - UGC e-Shod Sindhu Consortium
- **JGate**- JGate Engineering and Technology

MOOCS

- SWAYAM NPTEL Local Chapter
- COURSERA Campus Program

MOOCs- SWAYAM NPTEL CERTIFICATES**Students**

Sl.No	Course Name	Name	Reg. No.	Final Score	Certificate Type
1	Analog Communication - Online	Manda Sushma	17D41A04D3	56	Successfully Completed
2	Analog Communication - Online	Miryala Nandhini	17D41A04E2	55	Successfully Completed
3	Analog Communication - Online	D Chaitanya Shree	17D41A0449	54	Successfully Completed
4	Analog Communication - Online	Pallerla Vamshi	17D41A04G7	56	Successfully Completed
5	Analog Communication - Online	Burugu Harika	17D41A0437	53	Successfully Completed
6	Analog Communication - Online	Lingala Bhuvana Sri	17D41A04C6	54	Successfully Completed
7	Analog Communication - Online	Nenavath Praveen	17D41A04F6	54	Successfully Completed
8	Introduction To Embedded System Design	Ajay Rangishetti	17D41A04H8	70	Elite

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.

CRT TRAINING SESSION

FACULTY ACHIEVEMENTS

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

Faculty Name	Designation	Topic
Mr.Ram Mohan Rao K	Associate Professor	Python Geospatial Data Analysis
Mrs.G.Sravanthi	Associate Professor	Crash Course in Data Science
Mrs Sandhya Bolla	Associate Professor	Advanced Features with Relational Database Tables Using SQLite studio
Mrs.G.Sravanthi	Associate Professor	Advanced Features with Relational Database Tables Using SQLite studio
Mrs Sandhya Bolla	Associate Professor	Advanced Relational Database and Sql
Mrs.V.Sunitha	Associate Professor	Advanced Sql Retrieval Queries in SQLite studio
Mrs.V.Sunitha	Associate Professor	Agile Projects: Developing Tasks with Taiga
Mrs.D.Sandhya Rani	Associate Professor	Agile Projects: Defining Epics and Mapping Value with Taiga
Mr.Ram Mohan Rao Kanugu	Associate Professor	Ai For Everyone
Mr.A.Venu	Associate Professor	Ai For Everyone
Mrs.B.Neeraja	Associate Professor	Ai For Everyone
Mrs.Krishnaveni	Associate Professor	Ai For Everyone
Mr.Gonugunta Raj Kumar	Associate Professor	Ai For Everyone
Mr.P.Prashant	Associate Professor	Ai For Everyone
Mr.S.Narsimulu	Associate Professor	Ai For Everyone
Mrs Sandhya Bolla	Associate Professor	Ai For Everyone
Mrs. Udayasri Pabbu	Associate Professor	Ai For Everyone
Ms.B.Deepika Rathod	Associate Professor	Ai For Everyone

PUBLICATIONS

- **Dr. Sendhilkumar N C** Professor published a paper titled “RF Based Lo-Ra Transceiver Patient Health Detection System” in International Conference on Emerging Trends in Science, Engineering & Management, doi:10.1088/1742-6596/1964/6/062069, IOP Publishing, Jan 2021.
- **Dr.N.Subash**, Professor published a paper titled Smart Energy Meter Monitoring with Detection of Electricity Theft Using IoT, The International journal of analytical and experimental modal analysis, Publication on 2021 , ISSN NO:0886-9367
- **Dr.P.Mukunthan**, Professor, published an article titled, “Modified device key generation algorithm and A*Algorithm to optimize the security measures based on trust value in device-to-device communications” in International Journal of Soft

Computing –Springer, Online Publication on 2021 DOI.org./10.1007/s00500-021-06508-

- **Mrs.Desineni Bharathi.** A low complexity reconfigurable non uniform filter bank for channelization in multistandard wireless communication receiver journal volume XII, ISSN NO; 0886-9367.JAN/2021.
- **Mr.SURESH BALLAL** A an Efficient VLSI Architecture for Removal of Impulse Noise in Images an Efficient VLSI Architecture for Removal of Impulse Noise in Images.
- **Mr.EASARI PARUSHA RAMU** Touch Screen Based Remote Controlled Robotic Vehicle for Stores Management JOURNAL Volume XIII, ISSN NO:0886-9367, Page No:2235, January/2021.
- **Mr.ABDUL KHAJA PASHA** A LOW-COST HAND GESTURE HUMAN-COMPUTER INTERACTION SYSTEM JOURNAL Volume XIII, ISSN NO:0886-9367, PAG NO 2226, January/2021.
- **Mr.S. NARSIMULU** A Unique Decorrelation Method for An Advanced Multichannel Acoustic Echo Cancellation Device JOURNAL Volume XIII, ISSN NO:0886-9367, Page No: 2221: January/2021.
- **Mr.PRASHANT PISE** A Unique Decorrelation Method for An Advanced Multichannel Acoustic Echo Cancellation Device JOURNAL Volume XIII, ISSN NO:0886-9367 Page No: 2221: January/2021.
- **Mr.POLAGONI SRINIVAS** Touch Screen Based Remote Controlled Robotic Vehicle for Stores Management JOURNAL Volume XIII, ISSN NO:0886-9367, Page No:2235, January/2021.
- **Mrs.BHARATHI** Making Cell-Free Massive MIMO Competitive with MMSE Processing and Centralized Implementation JOURNAL Volume XIII, ISSN NO:0886-9367, Page No:2243, January/2021
- **Mrs.B. HEMAVATHI** An Efficient VLSI Architecture for Removal of Impulse Noise in Images JOURNAL Volume XIII, Issue 0886-9367, PAG 2271, February/2021
- **Mrs.P. SWETHA** A LOW-COST HAND GESTURE HUMAN-COMPUTER INTERACTION SYSTEM JOURNAL Volume XIII, ISSN NO:0886-9367 Page No:2282, February/2021

BOOK CHAPTERS

- **Dr.N C Sendhilkumar**, Professor, contributed a book chapter “Cloud Computing with Wireless Network and Pattern Recognition” book title Electronic Devices and Circuits, Lambert Academic Publishing, Volume 1, Issue 1, PP62-66,2021.
- **Dr.N.C.Sendhilkumar**, Professor, contributed a book chapter “Advanced Microprocessor and Microcontroller” Lambert Academic Publishing, ISBN: 978-81-952459-2-5, 2021.

Youth Development Federation



YOGA



Women's day Celebrations



Project expo-2021



SPORTS





**Telangana State 3rd Junior Inter District
Throwball Championship - Under 19 (Boys & Girls)- 2017**

Organised by :
Hyderabad District Throwball Association

Under the Auspices of
Telangana Throwball Association

MERIT/PARTICIPATION CERTIFICATE

This is to certify that Master/Kumari, R. PAVAN NAH
 Son / Daughter of Sri R. SURYA NAH Of Medak District
 has Participated in Telangana State 3rd Junior Inter District Throwball Championship-17 held at Govt.
 High School, Ameerpet, Hyderabad on 12th and 13th April 2017 and Secured 5 Place.

 Smt. Parmeshwaramma Organising President HM GHS Ameerpet	 Sri. K. VENKAT Treasurer Telangana Throwball Association	 Sri. P. JAGAN MOHAN GOUD General Secretary Telangana Throwball Association	 Sri. V. NAVEEN YADAV President Telangana Throwball Association
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Certificate of Rishi's State Level Open Chess Tournament



Awareness Program on DRUG MENACE



Pollution Control Day



Republic day



AICTE Innovation Cell



Seminar on Career Guidance



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Dr.J.MARTIN SAHAYARAJ

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SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY



Main Block



Girls hostel



First year block



ECE Block



Central Library



Cricket Ground