# Newsletter

# Electro Vision '22

June 2022 Volume: 6 Issue:2


## 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

- 192 placements in the academic year 2021-22.
- 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.
- 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 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

# MOOCs- COURSERA CERTIFICATES

## Students

| S.No | Full Name | Roll Number | Course Name |
|---|---|---|---|
| 1. | Aluri Karthik | 18D41A0402 | Getting started with AWS machine learning |
| **2.** | A Suman | 18D41A0403 | Getting started with AWS machine learning |
| 3. | Appala Ramana | 18D41A0414 | Positive psychology |
| 4. | Aredla Shivaprasad Reddy | 18D41A0415 | Getting started with AWS machine learning |
| 5. | B Mounika | 18D41A0416 | Getting started with AWS machine learning |
| 6. | B Vinay Kumar Goud | 18D41A0417 | Getting started with AWS machine learning |
| 7. | Bachanaboina Manisha | 18D41A0418 | Getting started with awp machine learning |
| 8. | Bairi Saikumar | 18D41A0419 | Getting started with AWS Machine Learning |
| 9. | B.Bhavana Reddy | 18D41A0420 | Getting started with AWS Machine Learning |
| 10. | Banavath Laxmi | 18D41A0421 | Getting started with AWS Machine leaning |
| 11. | Bathula Veeranjaneyulu | 18D41A0423 | Getting Started with AWS Machine Learning |
| 12. | Chaitanya | 18D41A0424 | Gutting started with AWS machine learning |
| 13. | Bhavaniyamsani | 18D41A0425 | Getting Started with AWS Machine Learning |
| 14. | Bhukya Vijaya Lakshmi | 18D41A0426 | Getting started with AWS Machine learning |
| 15. | Bhupathi Rahul | 18D41A0427 | Getting started with AWS machine learning |
| 16. | Billa Sathvika | 18D41A0428 | Getting started with AWS Machine Learning |
| 17. | Boggiti Rajeev Rathan | 18D41A0430 | Positive Psychology |
| 18. | Bondugula Abhinav Reddy | 18D41A0431 | Getting started with AWS machine learning |
| 19. | Bura Jeevan Kumar | 18D41A0432 | Getting started with AWS machine learning |
| 20. | Burla Varshun | 18D41A0433 | Getting started with AWS Machine Learning |
| 21. | B.Tejaswini Reddy | 18D41A0434 | Getting Started with AWS Machine Learning |
| 22. | B.Rakesh | 18D41A0436 | Getting started with AWS machine learning |
| 23. | Akuri Saketh Reddy | 18D41A0437 | Positive Physchology |
| 24. | C Sai Hiranmayi | 18D41A0439 | Getting Started with AWS Machine Learning |

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|---|---|---|---|
| 25. | Suma Vaishnavi. Ch | 18D41A0440 | Getting Started with AWS Machine Learning |
| 26. | Chanda Hemanth Kumar | 18D41A0441 | Getting started with AWS Machine learning |
| 27. | Indu Chelimilla | 18D41A0443 | Positive psychology |
| 28. | P Sarayu | 18D41A04F4 | Getting Started with AWS Machine Learning |
| 29. | Paladi Sai | 18D41A04F5 | Getting Started With AWS Machine Learning |
| 30. | Panugothu Yashwanth | 18D41A04F8 | Getting Started With AWS Machine Learning |
| 31. | Paritala Ganesh | 18D41A04G0 | Getting Started With AWS Machine Learning |
| 32. | Pasnoor Neha | 18D41A04G1 | Getting started with AWS machine learning |
| 33. | Paspolla Vikas | 18D41A04G2 | Getting started with AWS Machine learning |
| 34. | Pasula Aishwarya | 18D41A04G3 | Getting Started with AWS Machine Learning |
| 35. | Pasula Akhila | 18D41A04G4 | Getting started with AWS machine learning |
| 36. | Laxmi Supriya | 18D41A04G6 | Getting started with AWS machine learning |
| 37. | Pirla Venkata Sudheer | 18D41A04G7 | Getting started with AWS machine learning |
| 38. | Shiva Kumar Polepally | 18D41A04G9 | Getting started with AWS machine learning |
| 39. | Poloju Poornachandar | 18D41A04H0 | Getting started with AWS machine learning |
| 40. | Ponna Amrutha Varshini | 18D41A04H1 | Getting started with AWS machine learning |
| 41. | P Naveen Kumar | 18D41A04H2 | Getting started with AWS machine learning |
| 42. | Pusapati Narasimha Raju | 18D41A04H3 | Getting started with AWS Machine learning |
| 43. | Ashrith Chaithanya Puttoju | 18D41A04H4 | Getting started with AWS machine learning |
| 44. | Pyarasani Karthik | 18D41A04H5 | Getting started with AWS machine learning |
| 45. | R Manohar | 18D41A04H6 | Getting started with AWS Machine Learning |
| 46. | R.Pranathi | 18D41A04H7 | Getting started with AWS Machine Learning |
| 47. | Racharla Preethi | 18D41A04H8 | Getting started with AWS machine learning |
| 48. | Rajannagari Kishore Kumar | 18D41A04H9 | Getting Started with AWS Machine Learning |
| 49. | Rangineni Aparna | 18D41A04J0 | Getting started with AWS Machine Learning |
| 50. | R. Naga Sai Sravan | 18D41A04J1 | Getting started with AWS Machine Learning |

# 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.**

# FACULTY ACHIEVEMENTS

**The lists of following faculty members were participated in FDP /Workshop and achieved various categories**

| S.No | Faculty Name & Designation | Topic | Organized Institution |
|---|---|---|---|
| 1. | Ms.Deepika Rathod & Assoc.Prof. | Augment Reality & Virtual Reality | AISSMS College Of Engineering, Pune. |
| 2. | Mr.Arukonda Venu & Assoc.Prof. | Digital Design Through Verilog HDL | SVR College of Engineering, Nandyala |
| 3. | Mrs.Sandhya & Assoc.Prof. | Muli Technology | Pantech Solutions |
| 4. | Mrs. D.Bharathi & Assoc.Prof | Artificial Intelligence | Mizoram University |
| 5. | Mrs.D.Bharathi & Assoc.Prof | Reliability Engineering and System Safety | Vishnu Institute of Technology |
| 6. | Mrs.Sandhya & Assoc.Prof. | New Age Materials and Technologies | Pantech Solutions |
| 7. | Dr. N. Subash & Professor | React | Sri Indu Institute of Engineering and Technology, Hyderabad |
| 8. | Dr.Tamil Arasan & Professor | High Speed Wireless and Optical Technologies for Developing Global Network | Chandigarh College Of Engineering and Technology (Degree Wing) |
| 9. | Dr.P.Ramesh & Professor | Demystifying Deep Learning and Blockchain Technology | Dr.N.G.P.Institute Of Technology, Coimbatore, Tamilnadu |

# Publications

- **Mrs.Kalpana Ragutla,** Separation of Eye Fundus Images by Combining Concentration in Diabetic Retinopathy, The International Journal of Analytical and Experimental Modal Analysis, Volume XIV, ISSN No:0886-9367, Page No: 345, February/2022.
- **Mrs.Rimmalapudi Likhitha,** Separation of Eye Fundus Images by Combining Concentration in Diabetic Retinopathy, The International Journal of Analytical and Experimental Modal Analysis, Volume XIV, ISSN No:0886-9367, Page No: 345, February/2022.
- **Mrs.Bommala Neeraja,** Separation of Eye Fundus Images by Combining Concentration in Diabetic Retinopathy, The International Journal of Analytical and Experimental Modal Analysis, Volume XIV, ISSN No:0886-9367, Page No: 345, February/2022.
- **Mr.Prashant Pise,** Channel Prediction for Millimeter Wave MIMO-OFDM, The International journal of analytical and experimental modal analysis, Volume XIV, ISSN NO:0886-9367,Page No: 142, February/2022
- **Mr.A.Venu,** Channel Prediction for Millimeter Wave MIMO-OFDM, The International journal of analytical and experimental modal analysis, Volume XIV, ISSN NO:0886-9367,Page No: 142, February/2022
- **Mr.S.Narsimulu,** Channel Prediction for Millimeter Wave MIMO-OFDM, The International journal of analytical and experimental modal analysis, Volume XIV, ISSN NO:0886-9367,Page No: 142, February/2022
- **Mr. Suresh Ballala,** FPGA Implementation of Fuzzy PID Controller for Transportation on the Internet of Vehicles, The International journal of analytical and experimental modal analysis, Volume XIV, ISSN NO:0886-9367, Page No: 609, February/2022.
- **Mrs.B. Hemavathi,** FPGA Implementation of Fuzzy PID Controller for Transportation on the Internet of Vehicles, The International journal of analytical and experimental modal analysis, Volume XIV, ISSN NO:0886-9367, Page No: 609, February/2022.
- **Mrs.K. Sravani,** FPGA Implementation of Fuzzy PID Controller for Transportation on the Internet of Vehicles, The International journal of analytical and experimental modal analysis, Volume XIV, ISSN NO:0886-9367, Page No: 609, February/2022.

# PLACEMENTS IN THE ACADEMIC YEAR 2021-2022

More than 21 Companies have recruited 89 Students for the Academic Year 2021-2022

| S. No | Name of the Student | Designation | Name of the Company |
|---|---|---|---|
| 1. | Sanjay Uppu | Project Engineer | WIPRO |
| 2. | Sende Karthik | Project Engineer | WIPRO |
| 3. | Vinjamuri Vishal | Project Engineer | WIPRO |
| 4. | Voruganti Sai Dinesh | Project Engineer | WIPRO |
| 5. | Saluvala Bharath Kumar | Project Engineer | WIPRO |
| 6. | Srirangam Harshitha | Assistant System Engineer-Trainee | TCS |
| 7. | Amballa Sai Ujwal Reddy | Assistant System Engineer-Trainee | TCS |
| 8. | Kattela Nithya Sri | Assistant System Engineer-Trainee | TCS |
| 9. | Gundla Shashikar Reddy | Assistant System Engineer-Trainee | TCS |
| 10. | Akavaram Kartej | Assistant System Engineer-Trainee | TCS |
| 11. | Kadari Naveen | Assistant System Engineer-Trainee | TCS |
| 12. | Sagaram Amogha Shayana | Business Development Trainee | VERZEO |
| 13. | A Akshitha Katyaini Reddy | Business Development Trainee | VERZEO |
| 14. | D Rohini | Business Development Trainee | VERZEO |
| 15. | Boddu Sowmya | Business Development Trainee | VERZEO |
| 16. | Bhavani Yamsani | Business Development Trainee | VERZEO |
| 17. | K Sai Nikitha | Business Development Associate | ADDOD SOLUTIONS PVT LTD |
| 18. | B Sahithi | Business Development Associate | ADDOD SOLUTIONS PVT LTD |
| 19. | Gangarapu Ajay | Business Development Associate | ADDOD SOLUTIONS PVT LTD |
| 20. | Anneboina Sai Charan | Business Development Associate | ADDOD SOLUTIONS PVT LTD |
| 21. | Karukuri Rohith | Business Development Associate | ADDOD SOLUTIONS PVT LTD |
| 22. | Dubala Anila | Engineer | HCL |
| 23. | Enumula Bharadwaja | Engineer | HCL |
| 24. | Bajineni Saketh | Engineer | HCL |
| 25. | Paidakula Vikas | Engineer | HCL |
| 26. | K Shravan Kumar | Engineer | HCL |
| 27. | S Sruthi | Engineer | HCL |
| 28. | Chiliveru Shalini | Trainee Engineer | ALTIMETRIC |
| 29. | Suravarapu Jaswini | Trainee Engineer | ALTIMETRIC |
| 30. | Neha Alampally | Trainee Engineer | ALTIMETRIC |

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|---|---|---|---|
| **31.** | Sai Raj Aggani | Trainee Engineer | ALTIMETRIC |
| **32.** | Korimilla Ahalya Reddy | Trainee Engineer | ALTIMETRIC |
| **33.** | Sanganabhatla Subramanyanagarjun | Machine Learning Engineer-Trainee | TURING MINDS |
| **34.** | Kottala Avinash Kumar | Business Development Associate | ADDOD SOLUTIONS PVT LTD |
| **35.** | Korra Shivaji Nayak | Business Development Associate | ADDOD SOLUTIONS PVT LTD |
| **36.** | Jerupula Kishore | Business Development Associate | ADDOD SOLUTIONS PVT LTD |
| **37.** | Votte Komali | Business Development Associate | ADDOD SOLUTIONS PVT LTD |
| **38.** | Janagama Srinath | Business Development Associate | ADDOD SOLUTIONS PVT LTD |
| **39.** | Korabandi Swetha | Business Development Associate | ADDOD SOLUTIONS PVT LTD |
| **40.** | Boddupalli Yadamma | It Trainee | YOMA TECHNOLOGIES |
| **41.** | Juluri Madhumitha | Assistant System Engineer-Trainee | TCS |
| **42.** | Korra Laxman | Data Scientist | TURING MINDS |
| **43.** | Juluri Madhumitha | Digital Interaction Advisor | 24/7 |
| **44.** | Kanne Nikhil | Digital Interaction Advisor | 24/7 |
| **45.** | Sai Ujwal Reddy Amballa | Trainee Software Engineer | INNOMINDS |
| **46.** | Chiliveru Shalini | Trainee Software Engineer | INNOMINDS |
| **47.** | Boda Arun Kumar | Trainee Software Engineer | INNOMINDS |
| **48.** | Korabandi Swetha | Graduate Engineer Trainee (Get) | HEXAWARE TECHNOLOGIES |
| **49.** | Dharmana Kavitha | Graduate Engineer Trainee (Get) | HEXAWARE TECHNOLOGIES |
| **50.** | K K Pavani | Graduate Engineer Trainee (Get) | HEXAWARE TECHNOLOGIES |
| **51.** | Bhavani Yamsani | Graduate Engineer Trainee (Get) | HEXAWARE TECHNOLOGIES |
| **52.** | Reinthala Nandini | Programmer Analyst Trainee | COGNIZANT |
| **53.** | Ankam Vishal | Programmer Analyst Trainee | COGNIZANT |
| **54.** | Marmala Rohith Kumar | Programmer Analyst Trainee | COGNIZANT |
| **55.** | Anedla Naveen | Associate Professional | DXC TECHNOLOGY |
| **56.** | Chirrapu Janani | Trainee Engineer | QUEST GLOBAL |
| **57.** | Chithanoori Sri Ram | Engineer | MINDTREE |
| **58.** | Mohd Mukarram | Engineer | MINDTREE |
| **59.** | Kotha Snigdha | Analyst | CAPGEMINI |
| **60.** | Morthala Chaitanya | Trainee | INNOMINDS |
| **61.** | Morthala Chaitanya | Intern | IBM |
| **62.** | Aarathi Sree Pasupuletti | Analyst | CAPGEMINI |
| **63.** | Poola Bharat | Trainee | ALHO |

# MSME IDEA HACKATHON

MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम
OUR STRENGTH • हमारी शक्ति
Ministry of MSME, Govt. of India

Sri Indu
College of Engineering & Technology
UGC Autonomous Institution
Recognized under 2(f) & 12(B) of UGC Act 1956,
NAAC, Approved by AICTE &
Permanently Affiliated to JNTUH
Estd.2001

S-HUB

## MSME IDEA HACKATHON 2022

*One Idea Lights a Thousand Candles*

HOST INSTITUTION
SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

### Incubation

**Objective of the Scheme**

The objective of the scheme is to promote and support untapped creativity and to promote adoption of latest technologies in MSMEs

### Who Can Join MSME Idea Hackathon 2022 ?

Any innovator- having e-mail and mobile number. MSME- having Udyam Registration number .

### Benefits

Financial assistance up-to maximum of Rs. 15 lakh per approved idea shall be provided to Host Institute for developing and nurturing of the idea into prototype.

Stakeholders are Invited to Submit Your Innovative Ideas under our HI

**SUBMISSION OPENED**

**Last Date : 24.03.2022**

INCUBATION SCHEME (msme.gov.in)

For Further Details: 9347363999, www.sriindu.ac.in

# AICTE INNOVETION CELL

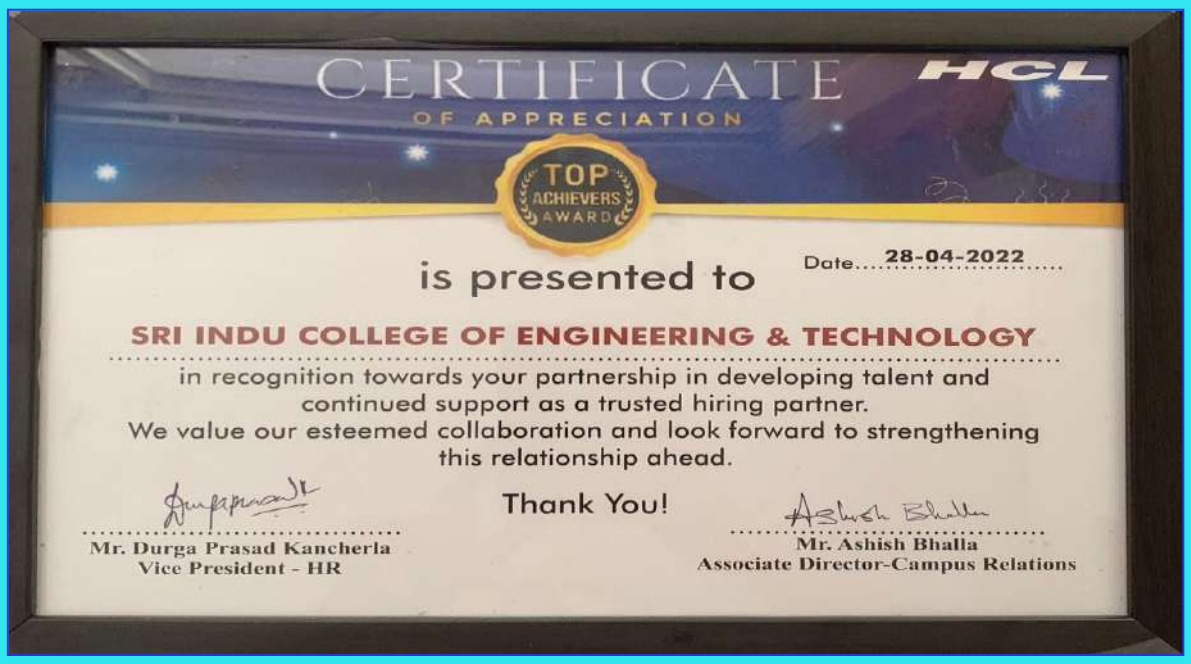
# INTERNATIONAL HAPPINESS DAY


# INDUSTRIAL VISIT

**KWALITY PHOTONICS PRIVATE LIMITED**
**&**
**LEDCHIP INDUS PRIVATE LIMITED**
29A&B, Elelctronics Complex, Kushaiguda, Hyderabad-500 062
Naresh-8179409843 Mail: nareshledchip@gmail.com
Website: www.ledchipindus.com www.kwalityphotonics.com

**As a part of Academic based Industrial visit, Our have visited Kwality Potonics Limited Pvt. Ltd on 07.01.2022 with a batch of 100 students and 4 faculty members. Our students have enriched their knowledge in the domain of Chip manufactiring and their application development products.**

# HCL-TOP AWARENESS AWARD


CERTIFICATE
OF APPRECIATION
HCL
TOP ACHIEVERS AWARD
is presented to
Date....28-04-2022.....
SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY
in recognition towards your partnership in developing talent and continued support as a trusted hiring partner.
We value our esteemed collaboration and look forward to strengthening this relationship ahead.
Thank You!
Mr. Durga Prasad Kancherla
Vice President - HR
Mr. Ashish Bhalla
Associate Director-Campus Relations

# ANNUAL DAY- MERITORIAL TOPPERS AWARDS-2022

# ANNUAL DAY CELEBRATIONS-2022


# Sports


# SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Main Block

Central Library


R & D Block


Girls Hostel

First year block

Cricket Ground