SREE DATTHA INSTITUTE OF ENGINEERING AND SCIENCE

SHERIGUDA, IBRAHIMPATNAM

Department of Electronics and Communication Engineering

E-NEWS LETTER-TECH PATRA

Vision of Department: To become world reputed centre for the Electronics and Communication Engineering education and inventions for the benefit of society.

Dept Mission 1: Train the Stake holders to gain knowledge in Electronics & Communication Engineering.
Dept Mission 2: Promote and involve in Social, Professional & Leadership activities.
Dept Mission 3: Provide state of the Art facilities to promote logical and innovative thinking.
Dept Mission 4: Collaborate to meet the challenges and betterment of the mankind.

SREE DATTHA INSTITUTE OF ENGINEERING AND SCIENCE
SHERIGUDA, IBRAHIMPATNAM,HYD

Vision, Mission of the Institute

Vision:
- To develop this Institute as one of the premier & top-class institution in India.

- To be an academic institution in dynamic equilibrium with its social ecological and economic environment, striving continuously to excellence in education, research and technological service to nation.

Mission:
- To provide high quality enterprising students with excellent technological skills

- To create and sustain a community of learning in which students acquire knowledge and learn to apply it professionally with due consideration for ethical and economic issues

- To pursue Research and disseminate research findings

- To help in building national capabilities in science, technology, humanities, management, education and research.

About the Department

The Department of Electronics and communication Engineering degree prepare graduates for successful,. profitable and lifelong careers in Electronics and Communication Engineering. In this Engineering students study hardware and software systems through innovative classroom instructions, supported by laboratories equipped with the state of-the-art hardware and software. The department ensures that the students are introduced to both fundamental and advanced knowledge in areas such as Electronics, Communication, embedded systems, networking technology, and software etc.

Salient Features of the department are as follows.

- State of the Art Computing Facilities
- ICT in Teaching and Learning
- Teacher as Mentor
- Research & Publications with Social Impact
- Supportive Learning for Placements
- Professional Development for Industrial Engagement

Various activities conducted by the department for the students are as follows.

- Value Added Courses
- Career Oriented Add-On Courses
- Special Training for Competitive Examination
- Expert Lectures for Industry Interaction
- Report Writing & Paper Presentation
- Personality Development & Soft Skill Training
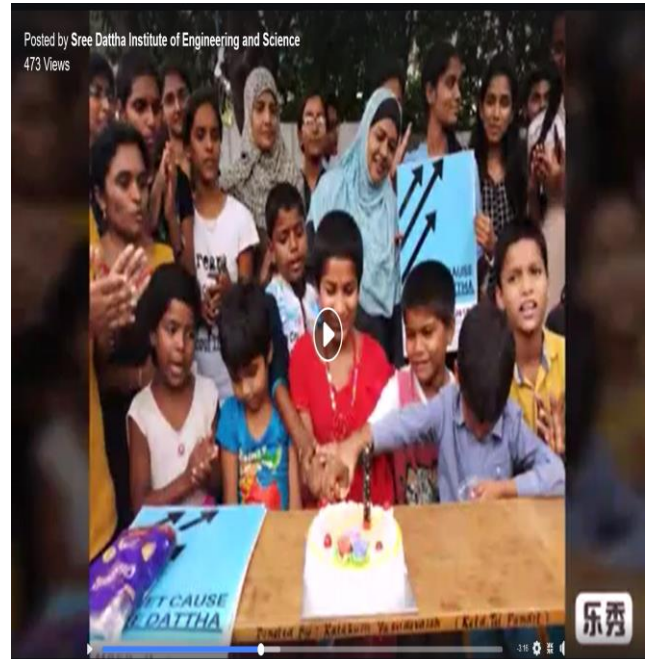
Program Educational Objectives (PEOs)

- **PEO 1:** Pursue Successful career in Industry, Research by applying contemporary Science, Engineering and Technical Skill with professional ethical values.

- **PEO 2:** Apply the Technical Skills, Analyze the Requirements, Prepare Technical Specific designs and provide novel Engineering Solutions with Ethics.

- **PEO 3:** Work in Multidisciplinary teams with effective Interpersonal skills to develop Sustainable Solutions for Industry and Society.

- **PEO 4:** Adopt the Recent Emerging Technologies and become a lifelong learner to analyze and produce efficient product designs.

PROGRAM OUTCOMES(PO'S)

1. An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to the electronics and communication engineering.

2. An ability to analyze a problem, and identify and formulate the electronics and communication requirements appropriate to its solution.

3. An ability to design, implement, and evaluate electronics and communication based system, process, component, or program to meet desired needs with appropriate Consideration for public health and safety, cultural, societal and environmental considerations.

4. An ability to design and conduct experiments, as well as to analyze and interpret data.

5. An ability to use current techniques, skills, and modern tools necessary for practice.

6. An ability to analyze the local and global impact of electronic communication on individuals, organizations, and society.

7. Knowledge of contemporary issues.

8. An understanding of professional, ethical, legal, security and social issues and responsibilities.

9. An ability to function effectively individually and on teams, including diverse and multidisciplinary, to accomplish a common goal.

10. An ability to communicate effectively with a range of audiences.

11. Recognition of the need for and an ability to engage in continuing professional development.

12. An understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects.

NSS ACTIVITY STREET CAUSE CONDUCTED BY OUR FACULTY
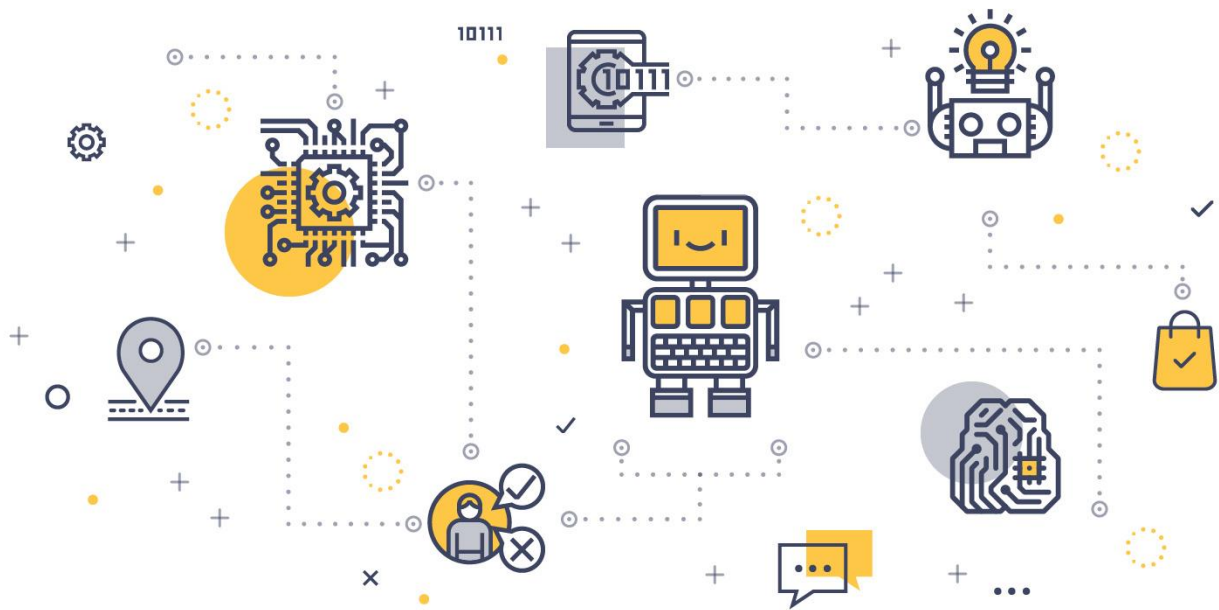

LATEST TRENDZ

Artificial Intelligence/Machine Learning
With the advent of home-control gizmos such as Google Nest, the public is becoming increasingly reliant on their artificial intelligence (AI) capabilities.

This has triggered development efforts for a slew of competitive products – companies in the hunt for a share of this lucrative market include Apple, Lenovo, Alibaba, Amazon, Google, LG and Samsung. This will be an ongoing battle, particularly as the interaction and connectedness with various home security, entertainment and control systems continues to tighten and become more intuitive. Displays are now entering the equation – as evidenced by Amazon's newest Echo incarnation, the Echo Show. Just as phones evolved into full communication hubs, the Show now enables Echo to be a digital photo frame, a small TV, a video-calling hub, and more. In China, Alibaba offers the Tmall Genie that addresses this application. People want to connect and interact visually, and this is something we're going to see more of in the display development arena.

AI WILL REFINE AUTO CONSTRUCTING AND TUNING OF MODELS

SINCE GOOGLE'S LAUNCH OF AUTOML LAST YEAR, USE OF THE AI TOOLS TO ACCELERATE THE PROCESS OF CONSTRUCTING AND TUNING MODELS IS RAPIDLY GAINING POPULARITY. THIS NEW APPROACH TO AI DEVELOPMENT ALLOWS AUTOMATING THE DESIGN OF MACHINE LEARNING MODELS AND ENABLES THE CONSTRUCTION OF MODELS WITHOUT HUMAN INPUT WITH ONE AI BECOMING THE ARCHITECT OF ANOTHER.

THIS YEAR, EXPERTS EXPECT GROWTH IN POPULARITY OF THE COMMERCIAL AUTOML PACKAGES AND INTEGRATION OF AUTOML INTO LARGE MACHINE LEARNING PLATFORMS.

AFTER AUTOML, A COMPUTER VISION ALGORITHM CALLED NASNET WAS BUILT TO RECOGNIZE OBJECTS IN VIDEO STREAMS IN REAL TIME. THE "REINFORCEMENT LEARNING" ON NASNET IMPLEMENTED WITH AUTOML CAN TRAIN THE MODEL

WITHOUT HUMANS SHOWING BETTER RESULTS WHEN COMPARED TO THE ALGORITHMS THAT REQUIRE HUMAN INPUT.

THESE DEVELOPMENTS SIGNIFICANTLY BROADEN THE HORIZONS FOR MACHINE LEARNING AND WILL COMPLETELY RESHAPE THE APPROACH TO MODEL CONSTRUCTION IN THE NEXT YEARS.

NI-MSME (NATIONAL INSTITUTE OF MICRO SMALL MEDIUM ENTERPRISES) OUR STUDENTS ATTENDED MSME WORKSHOP

ABOUT MSME

Micro, Small and Medium Enterprises (MSME) sector has emerged as a highly vibrant and dynamic sector of the Indian economy over the last five decades. MSMEs not only play crucial role in providing large employment opportunities at comparatively lower capital cost than large industries but also help in industrialization of rural & backward areas, thereby, reducing regional imbalances, assuring more equitable distribution of national income and wealth. MSMEs are complementary to large industries as ancillary units and this sector contributes enormously to the socio-economic development of the country.

The primary responsibility of promotion and development of MSMEs is of the State Governments. However, the Government of India, supplements the efforts of the State Governments through various initiatives. The role of the M/o MSME and its organizations is to assist the States in their efforts to encourage entrepreneurship, employment and livelihood opportunities and enhance the competitiveness of MSMEs in the changed economic scenario. The schemes/ programmes undertaken by the Ministry and its organizations seek to facilitate/provide: i) adequate flow of credit from financial institutions/banks; ii) support for technology upgradation and modernization; iii) integrated infrastructural facilities; iv) modern testing facilities and quality certification; v) access to modern management practices; vi) entrepreneurship development and skill upgradation through appropriate training facilities; vii) support for product development, design intervention and packaging; viii) welfare of artisans and workers; ix) assistance for better access to domestic and export markets and x) cluster-wise measures to promote capacity-building and empowerment of the units and their collectives.

PLACEMENTS DETAILS OF THE STUDENTS

Placement data for the year 2018

Sl.No.	NAME OF STUDENT PLACED	Enrollment no.	NAME OF THE EMPLOYER	Appointment Letter Reference No with Date
1	14E41A0401	POLA NAVEEN	Genpact	17/2/2018
2	14E41A0402	TALASANI SREEJA REDDY	Genpact	17/2/2018
3	14E41A0403	MADHULA SAHITH REDDY	Genpact	17/2/2018
4	14E41A0404	G. ANUSHA	Genpact	17/2/2018
5	14E41A0405	PASHAM VANI	Genpact	17/2/2018
6	14E41A0406	NALLAGIINNELA NIKITHA	HCL	Ref. No. 163460 Date: 20/2/2018
7	14E41A0407	TELUGU RAJ KUMAR	HCL	Ref. No. 163461 Date: 20/2/2018
8	14E41A0408	ANEDLA SATHISH REDDY	HCL	Ref. No. 163463 Date: 20/2/2018
9	14E41A0409	ANUGU SINDHUJA	HCL	Ref. No. 163465 Date: 20/2/2018
10	14E41A0410	KATAKAM NIKHIL	HCL	Ref. No. 163467 Date: 20/2/2018
11	14E41A0411	MUDIGONDA SAINATH	HCL	Ref. No. 163469 Date: 20/2/2018
12	14E41A0412	AMANCHI MANI DEEP	HCL	Ref. No. 163471 Date: 20/2/2018
13	14E41A0413	NAGAPURI SAIRAM CHARY	Creatic Solutions Pvt Ltd	24/11/2017
14	14E41A0414	MUNIGALA DEERAJ KUMAR	Creatic Solutions Pvt Ltd	24/11/2017
15	14E41A0415	GONDLE NAVAVEETH KUMAR	Creatic Solutions Pvt Ltd	24/11/2017
16	14E41A0416	K. PRIYANKA	Creatic Solutions Pvt Ltd	24/11/2017
17	14E41A0419	MADDERLAWAR AMULYA	Creatic Solutions Pvt Ltd	24/11/2017
18	14E41A0421	V.NARASIMHA KOUNDINYA	Creatic Solutions Pvt Ltd	24/11/2017
19	14E41A0422	SINGAPAGU BHANU PRAKASH	Creatic Solutions Pvt Ltd	24/11/2017
20	14E41A0423	SOMU NAGESH		
21	14E41A0426	A.TEJASWINI	Wanes Technologies Pvt Ltd	8/1/2018
22	14E41A0427	P.SUSHMA	Wanes Technologies Pvt Ltd	8/1/2018
23	14E41A0428	SHAIK MUSTHAFA	Wanes Technologies Pvt Ltd	8/1/2018
24	14E41A0429	SATYA SAI CHAITANYA.V	Wanes Technologies Pvt Ltd	8/1/2018
25	14E41A0430	T.SRIDHAR	Wanes Technologies Pvt Ltd	8/1/2018
26	14E41A0431	T. SRIKANTH	Wanes Technologies Pvt Ltd	8/1/2018
27	14E41A0432	C. ANUSHA REDDY	Wanes Technologies Pvt Ltd	8/1/2018
28	14E41A0433	K. KALPANA	Wanes Technologies Pvt Ltd	8/1/2018
29	14E41A0435	A. SRIKANTH	Wanes Technologies Pvt Ltd	8/1/2018
30	14E41A0441	P. ASHOK REDDY	Wanes Technologies Pvt Ltd	8/1/2018

31	14E41A0442	P.SANTHOSH KUMAR	Wanes Technologies Pvt Ltd	8/1/2018
32	14E41A0452	DURGEMPUDI ASHA LATHA	Wanes Technologies Pvt Ltd	8/1/2018
33	14E41A0454	JAKKAANOLLA PRUTHVI RAJ	Wanes Technologies Pvt Ltd	8/1/2018
34	14E41A0455	GIRI LAKKI REDDY PRAVEENA	Wanes Technologies Pvt Ltd	8/1/2018
35	14E41A0456	E. SNIGDHA	Wanes Technologies Pvt Ltd	8/1/2018
36	14E41A0458	BOMIDIKA SOUMYA REDDY	Wanes Technologies Pvt Ltd	8/1/2018
37	14E41A0462	NAVYA GULIKAR	Wanes Technologies Pvt Ltd	8/1/2018

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