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.

LATEST TRENDS

Internet of Everything

This year might see everything becoming connected as the Internet of Everything will continue to rise in both consumer and B2B market. Apple will be releasing the Home app this fall which is expected to give a major boost to connected technology. The app will allow the users to control electronics, climate, security, and lights via Apple devices.

A thing in the internet of things can be a person with a heart monitor implant, a farm animal with a biochip transponder, an automobile that has built-in sensors to alert the driver when tire pressure is low or any other natural or man-made object that can be assigned an IP address and is able to transfer data over a network.

Increasingly, organizations in a variety of industries are using IoT to operate more efficiently, better understand customers to deliver enhanced customer service, improve decision-making and increase the value of the business.

History of IoT

Kevin Ashton, co-founder of the Auto-ID Center at MIT, first mentioned the internet of things in a presentation he made to Procter & Gamble (P&G) in 1999. Wanting to bring radio frequency ID (RFID) to the attention of P&G's senior management, Ashton called his presentation "Internet of Things" to incorporate the cool new trend of 1999: the internet. MIT professor Neil Gershenfeld's book, *When Things Start to Think*, also appearing in 1999, didn't use the exact term but provided a clear vision of where IoT was headed.

IoT has evolved from the convergence of wireless technologies, microelectromechanical systems (MEMS), microservices and the internet. The convergence has helped tear down the silos between operational technology (OT) and information technology (IT), enabling unstructured machine-generated data to be analyzed for insights to drive improvements.

Although Ashton's was the first mention of the internet of things, the idea of connected devices has been around since the 1970s, under the monikers *embedded internet* and *pervasive computing*.

The first internet appliance, for example, was a Coke machine at Carnegie Mellon University in the early 1980s. Using the web, programmers could check the status of the machine and determine whether there would be a cold drink awaiting them, should they decide to make the trip to the machine.

IoT evolved from machine-to-machine (M2M) communication, i.e., machines connecting to each other via a network without human interaction. M2M refers to connecting a device to the cloud, managing it and collecting data.

Taking M2M to the next level, IoT is a sensor network of billions of smart devices that connect people, systems and other applications to collect and share data. As its foundation, M2M offers the connectivity that enables IoT.

The internet of things is also a natural extension of SCADA (supervisory control and data acquisition), a category of software application program for process control, the gathering of data in real time from remote locations to control equipment and conditions. SCADA systems include hardware and software components. The hardware gathers and feeds data into a computer that has SCADA software installed, where it is then processed and presented it in a timely manner. The evolution of SCADA is such that late-generation SCADA systems developed into first-generation IoT systems.

The concept of the IoT ecosystem, however, didn't really come into its own until the middle of 2010 when, in part, the government of China said it would make IoT a strategic priority in its five-year plan.

NEW YEAR CELEBRATIONS 2K17 :

May we live in a world at peace and with the awareness of God's love in every sunset, every flower's unfolding petals, every baby's smile, every parents heart smile, and every wonderful, astonishing, miraculous beat of our hearts. Happy NEW YEAR 2017 to all members of Sree dattha family. And wish a wonderful journey ahead of all yours with Sree dattha.

PONGAL CELEBRATIONS IN SREE DATTHA INSTITUTIONS:

Pongal marks joy and cheer and bring along everything that's best.may the festival of harvest sesson be one that brings along with it all that's best and everything you deserve. Happy PONGAL to all of sree dattha family.

TWO WEEK ISTE STTP ON CMOS FIXED SIGNAL AND RADIO FREQUENCY VLSI DESIGN :

A two-week ISTE STTP ON CMOS MIXED SIGNAL AND RADIC FREQUENCY VLSI DESIGN has been started under by national mission on education through ICT (MHRD by govt of india) (30th jan 2017 to 04 feb 2017) organized by IIT kharagpur and sree dattha institute of enginerring and science.

FDP PROGRAM ON ORACLE BY TASK :

A five day FDP (Faculty Development program) is being conducted from (30-01-2017 to 03-02-2017) on Oracle Java which is organized by TASK (Telangana Academy for Skills and Academy) at Sree Dattha Group of Educational Institutions.

PLACEMENTS IN SREE DATTHA EDUCATIONAL INSTITUTIONS

#placements@SREE DATTHA EDUCATIONAL INSTITUTIONS.

AMAZON CAMPUS DRIVE JUNCTURES

Sree dattha Amazon campus drive junctures

PLACEMENTS DETAILS OF THE STUDENTS

Placement data for the year 2017-2018

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

You can add your articles, achievements & photos related to any departmental and institutional events at this given mail ID

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