

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 TRENDZ

AUGMENTED REALITY (AR) AND VIRTUAL REALITY (VR)



ADVANCES IN AUGMENTED REALITY (AR), <u>VIRTUAL REALITY</u> (VR), AND MIXED REALITY (MR), ALL OF WHICH CAN BE SUMMARIZED IN R+, WILL CONTINUE TO BE AT THE FOREFRONT OF ATTENTION DURING 2019 WITH SOME FASCINATING NEW PRACTICAL APPLICATIONS FOR INDUSTRIES.

R+, WHICH ONCE WAS ONLY FOUND IN VIDEO GAMING HAS BEEN QUICKLY ADVANCING TO BECOME A USEFUL TOOL IN INDUSTRIES SUCH AS ENGINEERING DESIGN, MANUFACTURING, HEALTHCARE, SPACE EXPLORATION, AND MANY OTHERS.

IN 2019, VIRTUAL REALITY IS GOING TO OPEN UP TO INNOVATIVE INDUSTRIAL APPLICATIONS THAT WILL CHANGE HOW PEOPLE WORK AND COLLABORATE ACROSS GEOGRAPHIES.

AUGMENTED REALITY HAS BEEN RISING IN THE VIRTUAL REALITY'S SHADOW FOR THE PAST YEAR. BUT IN 2019, AR IS SET TO GROW EXPONENTIALLY.

Robotic process automation (RPA)

Robotic process automation (RPA) is the application of technology that allows employees in a company to configure computer software or a "robot" to capture and interpret existing applications for processing a transaction, manipulating data, triggering responses and communicating with other digital systems.

Any company that uses labor on a large scale for general knowledge process work, where people are performing high-volume, highly transactional process functions, will boost their capabilities and save money and time with robotic process automation software.

Just as industrial robots are remaking the manufacturing industry by creating higher production rates and improved quality, RPA "robots" are revolutionizing the way we think about and administer business processes, IT support processes, workflow processes, remote infrastructure and back-office work. RPA provides dramatic improvements in accuracy and cycle time and increased productivity in transaction processing while it elevates the nature of work by removing people from dull, repetitive tasks.

The technology of RPA can be applied specifically to a wide range of industries.

Process automation

Technologies like presentation-layer automation software – a technology that mimics the steps of a rules-based, non-subjective process without compromising the existing IT architecture – are able to consistently carry out prescribed functions and easily scale up or down to meet demand. Process

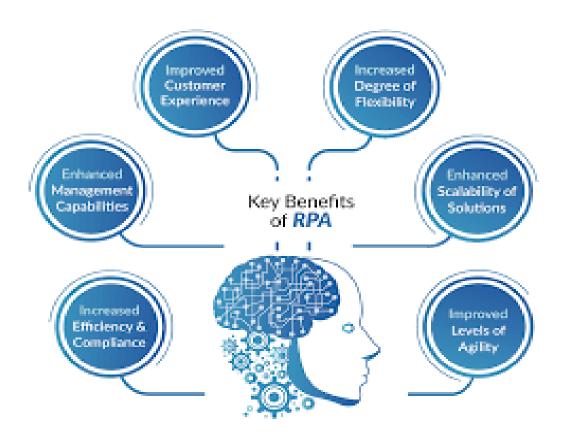
automation can expedite back-office tasks in finance, procurement, supply chain management, accounting, customer service and human resources, including data entry, purchase order issuing, creation of online access credentials, or business processes that require "swivel-chair" access to multiple existing systems.

IT support and management

Automated processes in the remote management of IT infrastructures can consistently investigate and solve problems for faster process throughput. RPA can improve service desk operations and the monitoring of network devices. Separating scalability from human resources allows a company to handle short-term demand without extra recruiting or training.

Automated assistant

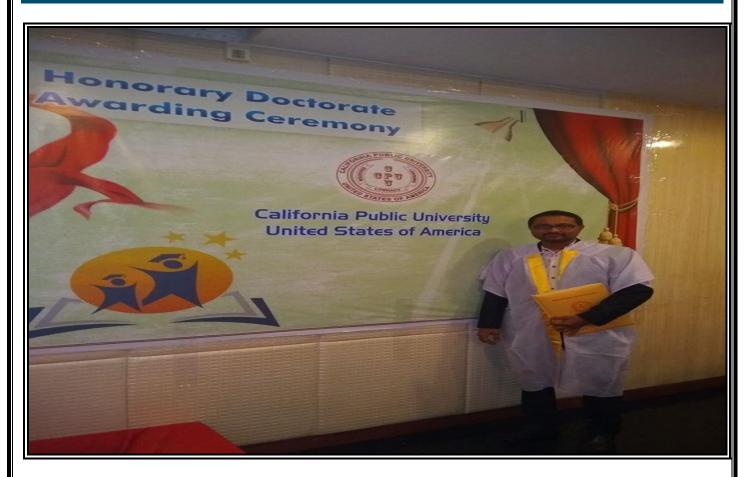
As in voice recognition software or automated online assistants, developments in how machines process language, retrieve information and structure basic content mean that RPA can provide answers to employees or customers in natural language rather than in software code. This technology can help to conserve resources for large call centers and for customer interaction centers. As RPA brings more technologically-advanced solutions to businesses around the world, operating models that adopt automation, whether in-house or offshored, will cut costs, drive efficiency and improve quality.



FACULTY ACHIEVEMENT

Honorary Doctorate from California Public University... Thanks to International American Council for Research and Development.. Javid sir in jan 2019





JAVID SIR AT HONORARY DOCTARATE AWARDING CEREMONY CALIFORNIA



OUR FACULTY ADRESSING IN INTERNATIONAL CONFERENCE CALIFORNIA



RECEIVING A DOCTARATE AT INTERNATIONAL CONFERENCE CALIFORNIA

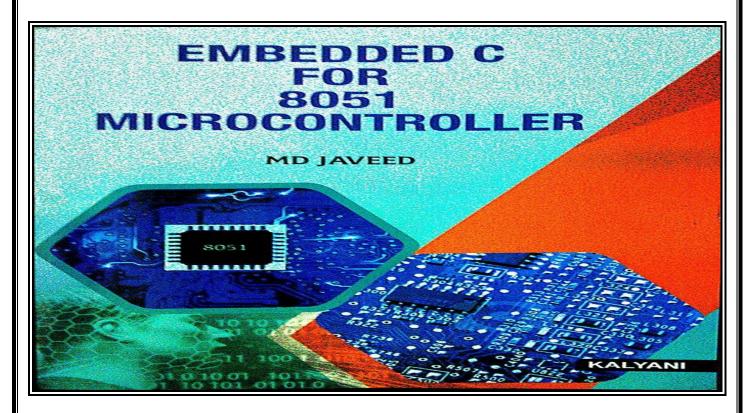
OUR FACULTY AS A KEY NOTE SPEAKER IN THE INTERNATIONAL CONFERENCE

First time in an International Conference.. Not as a presentation research.. But Invited as a Key Note speaker. Given key note speech on my research what I have done since past 7 years





OUR FACULTY ADRESSING THE INTERNATIONAL CONFERENCE AS A KEY NOTE SPEAKER



MD. Javeed is working as an Assistant professor in Sree dattha institute of Engineering and Sciences. He is the author of book "Embedded C for 8051 Microcontroller" published by Kalyani publications, March 2019.

EVENTS

INTERNATIONAL CONFERENCE 2019 ON OCT 15 16





Sree Dattha Institutions is one of the premier institutions in Telengana Accredited by NAAC & NBA,is conducting two days1st International Conference on "Innovative Research in Engineering ,Applied Science & Management ".(IC-IREASM-2019) on15th & 16th Oct'19.

Dr.K Ram Mohan Reddy Director academic audit cell JNTU Hyd, graced the occasion as the chief Guest .The other eminent dignitaries were Honourable Chairman Sree Dattha Institutions Sri. G.Panduranga Reddy; Hon.Vice Chairman Sri. Vibahv Reddy; Director Dr. Md. Sammuruddin Khan and Principles of Institutions Dr. S.A. Srinivas & Dr. Venkata Prashant .This conference is associated with Research Foundation of India(RFI).Chairman of RFI Dr. Saurabh Kumar Jain also graced the occasion .Sree Dattha Institutions faculty members and students have actively participated.

The main theme of the conference is to develop research & innovation to address the societal problems in our country and their future developmental needs.

Dr. K Ram Mohan Reddy addressed the gathering stressing the need to break the barrier/silos between research and academia.

On the occasion of the former president of India Dr.APJ Kalam birth anniversary ,the Hon. Chairman Shri.G.Panduranga Reddy stressed the need to making the research more relevant to the actual concerns of the common man .The Hon .Vice Chairman Sri Vibhav Reddy spoke about making research more broad based.

The international conference saw participation from academicians and research scholars from across the country. Totally 154 research papers were received by the organizing committee for discussions and presentations.





AWARENESS RALLY ON "NO PLASTICS"

SreeDattha Institute of Engineering and Science, Ibrahimpatnam, Hyderabad.

Plastics, due to its lengthy life span, considered to be one of the silent killers in destructing the valuable resources of earth. Plastic degradation seems to be at far distance, it affects the well-being of precious natural resources such as water and soil in various ways. As a result of this, wealth of soil and drainage properties are affected along with the pollution of ground water source. At this crucial juncture, under the valuable advice of Chairman Shri G. Pandurang Reddy Garu, Vice-chairmanDr.VibhavReddy Garuand DirectorProf.Dr.Sameeruddin Khan, SreeDattha Institute of Engineering and Science, Civil Engineering students organised an awareness event and rally named "No plastics". Mr. Pankaj Diwan, Founder and CEO, Idealabsfelicitated the event and provided valuable suggestions for conducting different events without the usage of plastics. Head of the departments and faculty members from all the departments attended the event. Students from all the departments initiated the rally from the institute to Sheriguda bus stop raising slogans and carried placards. Detailed explanation was given about the ill-effects of plastics to the people in the locality and advised them to use alternate materials replacing plastics. Students also distributed non-woven cotton bags to the nearby shops.





OUR HONORABLE CHAIRMAN ADRESSING THE STUDENTS ABOUT THE DISASTROUS EFFECTS OF PLASTICS



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CHAIRMAN DISTRIBUTING PAPER BAGS

PLACEMENT DATA

S. NO	NAME OF THE STUDENT	HT NO	COMPANY	CTC
1	MADHULIKA	15E41A0440	MUTIPLIER SOLUTIONS	2.2L
2	C AKHIL KUMAR	15E41A04E0	TCS	3.67L
3	V LAKSHMI SINDHU	15E41A0444	CREATIC SOLUTIONS	1.8L
4	IMMANENENI	15E41A0414	CREATIC SOLUTIONS	1.81
5	P POOJA	15E41A0411	CREATIC SOLUTIONS	1.81
6	D VIVEKANANDAN	15E41A0411	CREATIC SOLUTIONS	1.81
7	V A RAJEEV KRISHNAN	15E41A0462	CREATIC SOLUTIONS	1.81
8	B SAMEER	159P1A0415	WANES TECH	2.68L
9	N S DEEPAK	159P1A0433	WANES TECH	2.68L
10	D SHRAVAN KUMAR	159P1A0404	WANES TECH	2.68L
11	T SAI CHARAN	15E41A0442	WANES TECH	2.68L
12	K RAGHU RAM	15E41A04B7	WANES TECH	2.68L

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13	G SANJAY KUMAR	15E41A04D2	WANES TECH	2.68L		
14	M PAWAR	15E41A0441	WANES TECH	2.68L		
	K SUMANTH	15E41A0457	WANES TECH	2.68L		
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16	V V A RAJEEV	15E41A0462	WANES TECH	2.68L		
17	S KARIM	15E41A0413	WANES TECH	2.68L		
18	SAI KIRAN	16E41A0404	WANES TECH	2.68L		
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20	B KOUSHIL	15E41A0479	WANES TECH	2.68L		
21	D ABHINAY	15E41A0466	WANES TECH	2.68L		
22	RAMESHWAR	15E41A04D3	WANES TECH	2.68L		
23	P PAVANI	15E41A0469	RAM GROUP	2.4L		
24	R SANDEEP KUMAR	15E41A0482	SURYA TECH SOLN	1.8L		
25	D ABHINAY	15E41A0466	SURYA TECH SOLN	1.8L		
26	U PHANIDER	15E41A0467	SURYA TECH SOLN	1.8L		
27	K SIDDHARTHA	15E41A0454	SURYA TECH SOLN	1.8L		
28	G VASANTH KUMAR	15E41A0486	SURYA TECH SOLN	1.8L		
29	J SAI KUMAR	15E41A0498	SURYA TECH SOLN	1.8L		
30	G AJAY REDDY	15E41A0409	SURYA TECH SOLN	1.8L		
31	B HARISH	15E41A0434	SURYA TECH SOLN	1.8L		
32	C NITISH REDDY	15E41A04B5	SURYA TECH SOLN	1.8L		
33	T DEEPAK	15E41A04A6	SURYA TECH SOLN	1.8L		
34	R VARSHITH	15E41A0480	SURYA TECH SOLN	1.8L		
35	P VAMSHI	15E41A0477	SURYA TECH SOLN	1.8L		
36	R DURGA	15E41A0472	SURYA TECH SOLN	1.8L		
37	P SAI KUMAR	15E41A0445	SURYA TECH SOLN	1.8L		
38	G AKHIL REDDY	15E41A0406	SURYA TECH SOLN	1.8L		
39	J MALLESH	15E41A0460	SURYA TECH SOLN	1.8L		
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41	C NANADA VARDHAN	15E41A0423	SURYA TECH SOLN	1.8L	
42	CH SAMITH RAJ	15E41A0437	SURYA TECH SOLN	1.8L	
43	U PHANIDRA	15E41A0467	HGS	1.8L	
44	G DEEKSHITHA	15E41A0448	HGS	1.8L	
45	G AJAY REDDY	15E41A0409	HGS	1.8L	

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