

ABOUT THE DEPARTMENT

Today, Electrical Engineering is at the forefront of the newest technology. The discipline has moved beyond wires and circuits into cutting-edge technology.

The Department of Electrical & Electronics Engineering was established in 2007 with an intake of 60. The department has very well established laboratories with sophisticated equipment supplementing the academic needs of the students. The Department conducts career developing, interpersonal and intrapersonal skills of students. It organizes Seminars, Quiz Programmes, Industrial Visits, Paper Contests, Group Discussions, Guest Lectures, Career Guidance, Games etc under its auspices. The students are encouraged to present papers and to participate in seminars conducted in other engineering colleges. Industrial tours are arranged for students to obtain an exposure to industries.

VISION AND MISSION OF THE EEE DEPARTMENT

The department of EEE is working on the vision, "To nurture excellence in the field of Electrical & Electronics Engineering by imparting core values to the learners and to mould the institution into a centre of academic excellence and advanced research"

The mission to achieve above vision are:

- To impart students with high technical knowledge to make globally adept to the new Technologies
- To create, disseminate and integrate knowledge of engineering, science and technology that expands the electrical engineering knowledge base towards research
- To provide the students with a platform for developing new products and systems that can help industry and society as a whole.

PROGRAM EDUCATIONAL OBJECTIVES

- To prepare students with solid foundation in Mathematics, Sciences and Basic Engineering to cover multi-disciplinary subjects enabling them to comprehend, analyze Electrical & Electronics Engineering problems and develop solutions.
- To design and develop an electrical system component or process to meet the needs of society and industry with in realistic constraints.
- To prepare students with technical competence to use advance techniques, skills and modern engineering tools that allow them to work effectively as electrical and electronics engineer.

GUEST LECTURE:

- “SCADA” for IV B.Tech students on 28-10-2016

WORKSHOP:

- “High Voltage Testing of Insulator” for III & IV B.Tech on 22-07-2016
- “Advances in Electrical Power System” for IV B.Tech on 29-07-2016
- “Vector control of Induction Motor” for III& IV B.Tech on 25-08-2016



On the occasion of Vijayadhashami, the department staff and students did “Vajrudha pooja” on 23-09-2016.



Placements

S.No.	H.T.No.	Name of the Student	Name of the Company
1	12C31A0212	Beesu Mounika	Maintec For Hcl
2	12C31A0213	Bhukya Ramesh	
3	12C31A0214	Bhukya Yakub Naik	
4	12C31A0215	Bontha Vinod Kumar	
5	12C31A0267	Rupureddy Savanth Reddy	Ramsays Corp. Pvt. Ltd.
6	12C31A0268	Samudrala Thilak	
7	12C31A0273	Shaik Parveen	
8	12C31A0274	Sheri VidyaSagar	
9	12C31A0275	Sindam Chandana	
10	13C35A0204	Elakanti Srimaan	

**Education is the most powerful
weapon which you can use to
change the world**

Students Participations:

Sl. No.	NAME OF THE STUDENT	H.T.NO	EVENT	PARTICIPATED EVENT	PLACE	
1	KATTA SHAILENDAR	12C31A0227	TECHNOZEAL'16	PAPER PRESENTATION	Christu Jyothi Institute of Technology &Science,Jangaon	
2	KONDA JYOTHI	12C31A0229	TECHNOZEAL'16	PAPER PRESENTATION		
3	KONDAPARTHI HARSHA TEJA	12C31A0230	TECHNOZEAL'16	PAPER PRESENTATION		
4	KONGARA VINDHYA	12C31A0231	TECHNOZEAL'16	PAPER PRESENTATION		
5	KOTHULA SHALINI	12C31A0232	TECHNOZEAL'16	PAPER PRESENTATION		
6	MANGA SREEKANTH	12C31A0234	TECHNOZEAL'16	PAPER PRESENTATION		
7	MARABOINA RADHIKA	12C31A0235	TECHNOZEAL'16	PAPER PRESENTATION		
8	MATTA SRAVAN REDDY	12C31A0236	TECHNOZEAL'16	PAPER PRESENTATION		
9	MD ANWAR SHAREEF	12C31A0237	TECHNOZEAL'16	PAPER PRESENTATION		
10	MERUGU NARESH	12C31A0238	TECHNOZEAL'16	PAPER PRESENTATION		
11	MOHAMMAD MOHAMMADALI	12C31A0239	TECHNOZEAL'16	PAPER PRESENTATION		
12	MOHAMMADMUBINPASHA	12C31A0240	TECHNOZEAL'16	TECHNICAL QUIZ		
13	MOHAMMED HABEEBUDDIN	12C31A0241	TECHNOZEAL'16	TECHNICAL QUIZ		
14	MOHAMMED SAMI UDDIN	12C31A0242	TECHNOZEAL'16	TECHNICAL QUIZ		
15	MOHAMMED THOUSIF ANWAR	12C31A0243	TECHNOZEAL'16	TECHNICAL QUIZ		
16	MOHD AZARUDDIN	12C31A0244	TECHNOZEAL'16	TECHNICAL QUIZ		
17	M SANTHOSH KUMAR	12C31A0245	TECHNOZEAL'16	TECHNICAL QUIZ		
18	MOUNIKA GOPU	12C31A0246	TECHNOZEAL'16	TECHNICAL QUIZ		
19	NALLELLA ARAVIND	12C31A0248	TECHNOZEAL'16	TECHNICAL QUIZ		
20	NARESH BANOTH	12C31A0249	TECHNOZEAL'16	TECHNICAL QUIZ		
21	NATHANI BHARATH	12C31A0250	TECHNOZEAL'16	TECHNICAL QUIZ		
22	NEELA KARTHIK KUMAR	12C31A0251	TECHNOZEAL'16	TECHNICAL QUIZ		
23	OMKARISHWAR MUDIDHE	12C31A0253	TECHNOZEAL'16	TECHNICAL QUIZ		
24	PADIDELA DEEPTHI	12C31A0254	SAMEEKSHSA'16	PAPER PRESENTATION		Balaji Institute of Engineering Sciences, Narsampet
25	PALLEPATI PRABHA	12C31A0255	SAMEEKSHSA'16	PAPER PRESENTATION		
26	PANDAVULA MOUNIKA	12C31A0256	SAMEEKSHSA'16	PAPER PRESENTATION		
27	PERUVARAM PRASHANTH	12C31A0260	SAMEEKSHSA'16	PAPER PRESENTATION		
28	POLAPELLE AKHIL	12C31A0262	SAMEEKSHSA'16	PAPER PRESENTATION		
29	PUJARI VINAY	12C31A0263	SAMEEKSHSA'16	PAPER PRESENTATION		
30	PULI AKHIL KUMAR	12C31A0264	SAMEEKSHSA'16	PAPER PRESENTATION		
31	RAKAM RAJASHEKAR	12C31A0265	SAMEEKSHSA'16	PAPER PRESENTATION		
32	RANIPET SUFIAN	12C31A0266	SAMEEKSHSA'16	PAPER PRESENTATION		
33	R SAVANTH REDDY	12C31A0267	SAMEEKSHSA'16	PAPER PRESENTATION		
34	SEMSANI RESHMI SRI	12C31A0272	SAMEEKSHSA'16	PAPER PRESENTATION		
35	SHAIK PARVEEN	12C31A0273	SAMEEKSHSA'16	PAPER PRESENTATION		
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47	VELDANDI LAXMAN	12C31A0288	SAMEEKSHSA'16	TECHNICAL QUIZ		
48	VELPULA SAHITHYA	12C31A0290	SAMEEKSHSA'16	TECHNICAL QUIZ		
49	VELUPULA SRI KAVYA	12C31A0291	SAMEEKSHSA'16	TECHNICAL QUIZ		
50	VEMULA SNEHA	12C31A0292	SAMEEKSHSA'16	TECHNICAL QUIZ		
51	VOLETI YASHWANTH	12C31A0293	SAMEEKSHSA'16	TECHNICAL QUIZ		

Faculty Publications:

S. No	Name of the Faculty	Title of Papers published	International ISBN/ISSN number of the proceedings	Name of the Journal	Year of Publication
1	Mr.Singireddy Mallikarjun	An auto ground system for Anti Aslanding protection of distributed generation	VOL-08,ISSUE-02	International Journal of research in Alternate Energy Sources	October 2016
		Dual topology of the unified power quality (IUPQC) extending its applicability in power quality compensation as well as in micro grid applications	ISSN 2348-2370	International Journal of research in Alternate Energy Sources	October 2016
		A Dimming method for HCFL using a resonant inverter operating at fixed switching frequency	2000:18:327-343 VOL-02,ISSUE-01	International Journal of research in Alternate Energy Sources	October 2016
		High step-up DC-DC converter with improved multiplier cell suitable for half-bridge based PV inverter system	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016
2	Mrs.A. Swetha	A novel high conversion ratio Bi-directional DC-DC converter with coupled inductor	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016
		Reducing the fault current and over voltage in a distribution system with DG units through an active type SFCL	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016
		An Advanced current control strategy for three phase shunt active power filters with nonlinear load	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016
3	Mrs.G. Madhuri	Minimization of the DC component in transformer less three phase grid connected PV inverters	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016
		A novel photovoltaic and SMES coil at current source grid inverter	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016
4	Mrs.K. Priyanka	MRAC Architecture for maximum power point tracking (MPPT) in photovoltaic system by using RCC technique	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016
		A high step-up DC to DC converter under APS control for fuel cell power system	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016

5	Ms.R. Swathi	A new resonant dual active Bridge topology	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016
		Boost inversion capability for renewable energy source by sing tarns source inverter	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016
		Analysis and modelling of fuzzy based DVSI for enhancement of power quality	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016
6	Mrs.M.Sravanthi	The control strategy for fault current interruption in a radial distribution line by the dynamic voltage restorer	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016
		A novel and effective fitter to mitigate ZS harmonics in power distribution systems	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016
		Smart gateway grid; A distributed generation - Based residential electric power supply system	ISSN: 2454-1362 Vol-2, Issue-10	International Journal of research in Alternate Energy Sources	October 2016

Active V/s Passive

Active people strategize their life plans and work to accomplish their goals...passive people wait for miracles

Active people spend their lives pursuing their dreams...passive people have a midlife crisis. Active people don't wait for opportunity; they create it...passive people need it handed to them.

Active people blog, submit op-eds to their newspaper, and are influencers...passive people purely consume news.

Active people make their own opinions on things...passive people let others make up their minds for them.

Active people analyze all their options and choices before making a decision...passive people go with whatever is easiest.

Active people build their own...passive people buy it.

Active people volunteer, give calls to action, help others and make their world better...passive people complain.

Active people make art...passive people negatively criticize it.

Active people read and have an infinite thirst for knowledge...passive people haven't read a book since college.

So are you an active or passive person?



Article by Ms.R.Swathi, Asst.Prof., EEE

Wireless Power Transmission

Would it not be better that your mobile or laptop gets charged without the use of wires? True that it may be the dream of many people especially those who come under the " lazy people" category. But apart from this fact, the wireless power transmission can be loads better than the use of wires.

Wires can be a real messy job if not arranged properly. They may get entangled and lead to various problems. Like you may be disconnecting one appliance but accidentally disconnect another because the wires are so much mixed that it is difficult to distinguish between the two wire sources. This may not be a problem at times but at others it can lead to huge errors and mistakes.

Transmission Ways

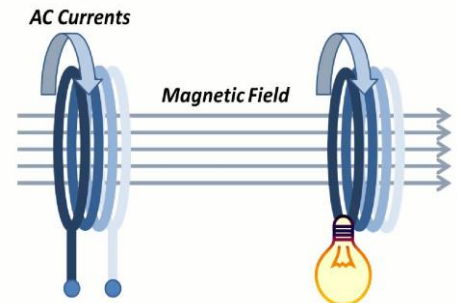
Power can be transmitted wirelessly in three ways:

Radio Waves: These waves have been found able to transmit milliwatts of power up to a distance of 15 meters. This technology is now being employed to recharge small portable devices which include mobile phones and laptops.

Lasers: The use of laser technology to transmit power wirelessly has so far shown only 15% efficacy. Beams of laser are targeted on photocells which convert the light energy into electrical energy and thus power is produced. So far the application of this means stretches as far as lamps and speakers.

Magnetic Induction: Both radio waves and lasers have applications only for the devices that require small amounts of power to operate. What about those requiring larger amounts of electricity. For such devices magnetic induction is used to transmit the power without using wires. The power loss during such a transmission is as much as 30%.

Although this technology is being looked forward to by many people but there are still some reservations to be settled before this tech is widely applied to applications. Like there is no knowledge so far that how increased exposure to magnetic field can affect. Another issue to be resolved yet is the efficiency of the process. With the current stats much favor is not turned towards this tech and huge amounts of improvement are still required before it is applied at mass level.



M.Madhuri(13C31A0234)

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