

**NEWS LETTER**  
**ELECTRA**

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Jan to June 2017  
Volume - 1, Issue - 1

## Department of EEE

### ELECTRA

DO RIGHT, SAVE LIGHT

JANUARY-2017 TO JUNE-2017

VOLUME-1, ISSUE-1

#### Editorial Board

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6. Nandigama Ramesh (IV EEE)

##### Vision

- ❖ To produce comprehensively trained socially responsible, innovative electrical engineers and researchers of highest quality to contribute to the nation's imprint on the world stage.

##### Mission

- ❖ To provide knowledge based technology and Service to meet the needs of society globally.
- ❖ To help in building national capabilities for excellent energy management and to explore non-conventional energy sources.
- ❖ To create research oriented culture and to provide competent consultancy.
- ❖ To create and sustain environment of learning in which students acquire knowledge and learn to apply it professionally with due consideration of ethical and economic issues.
- ❖ To be accountable through self-evaluation and continuous improvement.

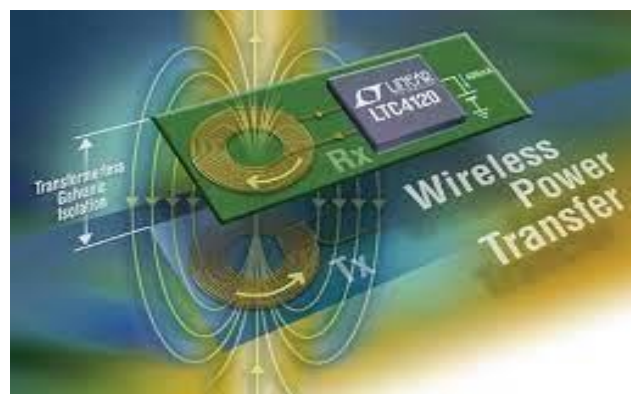
#### New Trend

##### Wireless Transfer of Electricity

The wireless transfer of electricity was invented in the USA at the Massachusetts Institute of Technology. Behind this

invention were Professor Marin Soljacic and his team. This technology allows electricity to be transmitted over distances through the air, wood, granite, plastic and grass. Although still in its primitive stages, a lot of its application has been seen in 2020.

Most electronic companies could leverage wireless transfer of electricity in making wireless charging devices for smartphones, laptops, and earphones. Car manufacturers, including Toyota, thoratec, and Intel, also licensed this technology in their electric vehicles & wearable devices.



The application of wireless power transfer is expected to progress even further in 2021. Finally, we might be able to totally get rid of the power cables that people use daily. Even though it may not be all of them in 2021, the near future promises fascinating advancements.

##### Faculty Focus

##### International Journals

- ❖ Mr.J.Suneel Babu has presented a paper on "Analysis and Development of Fuzzy Controller Based Dual UPQC Converter for Effective Regulation of Load and Grid Systems" International Journal of Innovative

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Technologies. ISSN 2321-8665 Vol.05, Issue.05, May-2017, Pages: 0759-0766.

- ❖ **Mr.M.Chandra Sekhar** published a paper on “**Medium Voltage High-Power Converter Topology for 10MW wind generation with the Large Permanent Magnet Wind Generator Systems by using FUZZY Controller**” in International Journal of Research (IJR) ISSN: 2348-6848 Volume-4, Issue-5, and April 2017.
- ❖ **Mr. M.Chandra Sekhar** has presented a paper on “**Design and Control of Single-Phase Grid-Connected Inverters with Nonlinear Loads for Industrial Applications**” in International Journal of Scientific Engineering and Technology Research (IJSETR) ISSN: 2319-8885, Volume-6, Issue-13, April 2017.
- ❖ **Mr. M.Chandra Sekhar** has presented a paper on “**Fell H-Bridge Multi level Inverter for Grid-Connected Applications**” in Online International Interdisciplinary Research Journal, {Bi-Monthly}, ISSN 2249-9598, Volume-07, June 2017 Special Issue (02).
- ❖ **Mr.G.Naveen**, has presented a paper on “**A Study Report on the Application of a Superconducting Fault current Limiter For Storage Protection In A Distribution System**” in International research Journal of India ISSN 2454-8707 VOLUME-II, ISSUE-VII, March-2017.

**Workshops:-**

- ❖ **Mr A.Ramanjaneyulu** has attended workshop on “**Hands on training in Applications of Power Electronics & Control Systems**” was organized by Dept. EEE NIT, Puducherry held on 18-05-17.

**Organized Programs:-**

- ❖ The department of EEE organized A Three day Hands on Experiment program on “**Basic Simulink & MATLAB Tools**” held on 23-01-2017 to 25-01-2017 Dr.M.Ramash Kumar, Professor in Dept. of EEE, Pondichery, University, Pondichery.

- ❖ The department of EEE organized A One day seminar on “**Significance of Industrial Automation in Manufacturing Industry**” held on 07-02-2017 by the Resource person Sri Kapil Dev Sales Engineer , AGIIT, Chennai.
- ❖ The department of EEE organized A Five Days Training program on “**PLC**” held on 13-02-2017 to 17-02-2017 by the Resource person Sri. Vignesh.R, Technical Lead, AGIIT,

**Student Focus**

**Students Achievements:-**

- ❖ **CH.NARASIMHA RAO** Participated in Power Point Presentation on 18-02-2017 organized by Krishnaveni Engineering College for Women
- ❖ **CH. NARASIMHA RAO** won first Prize in Power Point Presentation held on 19-03-2017 organized by Sai Tirumala NVR Engineering College, NRT.
- ❖ **CH. NARASIMHA RAO** won second prize in Technical Quiz held on 18-03-2017 organized by KKR and KSR, Guntur.
- ❖ **CH. NARASIMHA RAO** won third prize in Technical Quiz held on 09-03-2017 organized by KLU Vijayawada.
- ❖ **CH. NARASIMHA** won first prize in Power Point Presentation organized by A National Level Students Meet QIS Engineering College, Ongole, held on 11-03-2017

**Academic Toppers:-**

- ❖ The following students are secured with highest marks in their respective semester results.

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VOLUME-1, ISSUE-1

**NARASARAOPETA ENGINEERING COLLEGE**  
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
(AUTONOMOUS)

**I B.Tech. I Semester, EEE Toppers List (2017 Batch)**

 K. NAGADEEPI 17471A0219 SGPA: 9.42	 K. RAJ KUMAR 17471A0205 SGPA: 8.92	 M. HARSHA 17471A0222 SGPA: 8.85	 R. SATISH BABU 17471A0219 SGPA: 8.36	 J. HARITEJA 17471A0209 SGPA: 8.88
 P. JOHN LUKE 17471A0202 SGPA: 7.92	 G. YASWANATH KRISHNA 17471A0224 SGPA: 7.92	 K. SALLAJA 17471A0207 SGPA: 7.88	 S. ANIL RAJ KUMAR 17471A0204 SGPA: 7.79	 A. POORNA CHANDRA RAO 17471A0210 SGPA: 7.75

I B.TECH I-SEM

**NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET**  
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**III B.Tech. I Semester, EEE Toppers List (2015 Batch)**

 N. JYOTHI 15471A0238 83.9%	 CH. BHAGYARAJU 16475A0231 77.2%	 R. ANUSHA 15471A0227 76.7%	 K. NAGA REVATHI 15471A0225 75.4%	 K. YESU RATHNAM 16475A0233 74.8%
 K. PAVAN KUMAR 15471A0213 74.9%	 K. SRIKANTH 15471A0217 71.3%	 Y. SANDEEP 16475A0212 70.0%	 T. RAMA ASUTHOSH 16475A0217 70.0%	 K. GANESH NAIK 16475A0223 69.8%

III B.TECH I-SEM

**NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET**  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Management, Principal, HOD & Faculty Express Their Hearty Congratulations  
To 16 Batch II B.Tech I Sem Toppers for the Academic Year 2017 - 2018

 K. SAGAN SAI AJA 17471A0205 8.91	 D. SAI KUMAR 16471A0203 8.77	 M. MAHESH 16471A0206 8.50	 K. JAYA NAM 16471A0207 8.39	 V. TRIPATHI RAJU 17475A0216 7.50
 P. MURALI KRISHNA 17475A0214 7.60	 P. SAI KUMAR 17475A0212 7.43	 K. RAJ KUMAR 16471A0201 7.38	 M. CHANDRA SEKHAR 16471A0206 7.23	 S. SAI RAM 16475A0205 7.09
 S. CHANDRA SEKHAR 17475A0213 7.09	 D. RAMESH 17475A0217 7.08	 T. CHANDRA SEKHAR 17475A0229 7.09		

II B.TECH I-SEM

**NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET**  
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**IV B.Tech. I Semester, EEE Toppers List (2014 Batch)**

 R. PREMA NAGINI 14471A0205 82.8%	 K. BHARATH KUMAR 15475A0208 82.8%	 G. SURENDRA 15475A0210 82.3%	 P. VENKATESH 15475A0217 81.5%	 D.M. SALEEM 14471A0206 81.8%
 K. NAVEEN KUMAR 14471A0203 80.0%	 Y. SAMPATH KUMAR 15475A0203 77.4%	 N. VENKATARAO 15475A0214 76.8%	 Y. SIVA PRASAD 15475A0206 75.3%	 B. RAVI TEJA 15475A0213 74.9%

IV B.TECH I-SEM

### Placements:-

- ❖ 18 Students got selected for HGS Company in the role of Customer support Representative.

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#### Alumni Voice:-

NEC provides young students an opportunity to undergo holistic development. A student excels not only in academics but also at the social and personal front. B.Tech course, an innovation of technologies, Prepares students for the technologies, prepares students for the demands of a successful professional career, working in the private sector, public sector, family business or becoming an entrepreneur.”

The B.Tech course helped us to be prepared to take on newer challenges on a regular basis and adapt according to any given situation. In our roles we do not directly use the technology and management lessons learnt in college, but those have helped us to quickly learn new things which are required to be successful in the corporate environment.



VEMAVARAPU SIREESHA

13471A0224

CUSTOMER SUPPORT REPRESENTATIVE

HGS.

#### Student's Voice:-

Narasaraopeta Engineering College is one of most renowned and prestigious institute in the region. It has

made astonishing studies in the field of education, particularly higher and professional education. It has extremely dedicated, highly motivated, experienced and qualified faculty members. It is a privilege to be a part of this institution since it has provided several well-trained Engineers to the fast-growing technical industry. It not only aims for excellent education also provides a platform for the students to showcase their talents in a variety of fields. This way the students are not only educated but also are competent to face any problem overall growth to boost up the country in particular.

To sum up it is a college which makes a student grow emotionally as well as professionally. I am a second year student right now and have not regretted a day in this college and this strengthens my belief that my final year will also be filled up with all new experiences and supports form college mates as well as college faculties.



P.SIREESHA

III EEE