

## PROPULSION

No Resistance can drop our Potential

Departmental News Letter

2019 Jan-June

Volume-I

Issue-I



**DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING**

**DNR COLLEGE OF ENGINEERING &  
TECHNOLOGY**

BALUSUMUDI, BHIMAVARAM-534202,  
W. G. DIST., ANDHRA PRADESH.

## VISSION

To be a recognized center for Electrical & Electronics Engineering, building ethical technocrats towards societal needs.

## MISSION

**DM1:** Impart high quality technical education in a dynamic learning environment

**DM2:** Develop Industry collaborations towards holistic development and industry ready.

**DM3:** Motivate to practice latest technologies towards innovation, research& development.

## PO'S

**PO1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO2: Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO3: Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PO4: Conduct investigations of complex problems:** Use research- based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO5: Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**PO6: The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**PO7: Environment and sustainability:** Understand the impact of the professional engineering solutions in societal

and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**PO8: Ethics** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO9: Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO10: Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO11: Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO12: Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## PEO's

**PEO1:** Be Successful professionals in multidisciplinary team to solve real life problems with ethical values.

**PEO2:** Demonstrate knowledge, Skills and Competence to identify, comprehend and solve the industrial and societal problems.

**PEO3:** Adapt forever changing needs by collaborating with industries and academia for Professional development, Research and higher studies.

## PSO's

**PSO1:** Design and provide solutions in Power Electronics and Power Systems.

**PSO2:** Demonstrate renewable energy technologies for the growing energy demand.

## ABOUT DEPARTMENT

Electrical & Electronics Engineering is a subset of general engineering. Engineers use science and mathematical principles to solve technical problems. Since they often create new products to solve these problems, they are in high demand. Engineers are essentially inventors. By dreaming up ideas and turning them into a reality they push technology to its limits.

Electrical engineers are specialized engineers who work with Electrical devices. These may include motors, generators, power generation, transmission and distribution. Electrical Engineers design tools used in other engineering disciplines. As you can imagine, Electrical engineering is one of the broadest engineering specialties.

Electrical and Electronics Engineering is an engineering discipline that involves the application of principles of mechanics for analysis, design, manufacturing, and maintenance of mechanical systems. It requires a solid understanding of key concepts including Electrical Machines, Electrical measurements and Power systems. Electrical engineers use these principles and others in the design and analysis of electric vehicles, manufacturing plants, industrial equipment and machinery, medical devices and more.

## ADMINISTRATOR MESSAGE



**Sri. G SATYANARAYANA RAJU**  
**Hon. Secretary &  
Correspondent DNR  
Association**

**"Education is the most powerful weapon which you can use to change the world."** Your power to choose the direction of your life allows you to reinvent yourself, to change your future, and to powerfully influence the rest. Leadership and learning are indispensable to each other. The only person who is educated is, the one who know how to learn and change. You are the "Change" to yourself and your future. You are welcome to DNR College Of Engineering & Technology, one of the most prestigious colleges for engineering and technology, which is affiliated to JNTUK, Kakinada. The

institution provides you the space to ignite your imagination and inspire you to love learning.

## PRINCIPAL MESSAGE



**Dr. M. Anjan Kumar**  
**M.E., Ph.D., MIGS, MIS, MISTE, MIRC  
PRINCIPAL**

Technological enlargement in a country chiefly depends on how far the Engineers are going to put their knowledge into practice Strong elementary concepts with innovative mindset is the requirement of the present-day Engineers. Our main slogan in educating the budding Engineers is to lay a very strong foundation for the future circumstantial adaptation in the practical field Strengthening the fundamental concepts and exposure to the current development and future trend is our main aim in teaching in the Technological environment as there is a tremendous boom for the practical and research orient education in the future.

## HOD MESSAGE



**Dr. K.B.V.S.R. SUBRAHMANYAM,**

**Prof. & Head (EEE) & Dean (Examinations),**

The DNR College Of Engineering & Technology is helping students to reshape their future to become a valuable asset for the nation. We are committed to academic excellence in the fields of Electrical and Electronics Engineering, leading to develop students through academia and industry linkages. The students of the Electrical and

Electronics Engineering are highly demanded by the recruiters of the top companies to enhance their employability skills through Industry Institute Collaboration. Our department is built on a foundation of knowledge, creativity, and collaboration. As we embark on this academic year, I encourage all of you to embrace the spirit of inquiry and discovery that defines our field. Whether you are a seasoned faculty member, a staff member contributing to the department's success, or a student eager to explore the possibilities within electrical and electronics engineering, know that your unique perspectives and contributions are valued.

As we navigate the challenges and opportunities that lie ahead, let us foster an environment of open communication, mutual respect, and continuous learning. The world of electrical and electronics engineering is rapidly evolving, and our collective efforts will play a crucial role in preparing our students for the future.

## ACHIEVEMENTS – STUDENTS

1. P Tejo Murthy was participated on Internship Program Electrical Repair Shop Vizag Steel plant Visakhapatnam on 12<sup>th</sup>, May, 2019 to 7<sup>th</sup>, Jun, 2019.
2. K Balaji was Participated Internship Program on Electrical Repair Shop Vizag Steel Plant Visakhapatnam on 30<sup>th</sup>, May, 2019 to 13<sup>th</sup>, Jun, 2019.
3. Gudala Raviteja was Participated Internship Program on Study of Embedded System & VLSI Design hint Solutions Pvt.Ltd Hyderabad on 12<sup>th</sup> May 2019 to 07<sup>th</sup> June2019.
4. Kadali Dasaradha Kiran was participated Internship Program on Study of Embedded System and VLSI Design hint Solutions Pvt.Ltd Hyderabad on 12<sup>th</sup> May 2019 to 07<sup>th</sup> June2019.
5. Moka Saibaba was participated Internship Program on Study of Embedded System and VLSI design Hint Solutions Pvt.Ltd Hyderabad on 12<sup>th</sup> May 2019 to 07<sup>th</sup> June2019.
6. Pasupuleti Srinagasurendra was participated Internship Program on Electrical Repair Shop vizag Steel Plant Visakhapatnam on 12<sup>th</sup> May 2019 to 07<sup>th</sup> June2019.



## EVENTS ORGANIZED – STUDENTS

1. One day seminar organized by Dr. T. Suresh Kumar on Advancement on switch gear protection for students at Hyderabad our students attended on 25<sup>th</sup>, Jan, 2019.



2. One day industrial visit organized by Mr.M. Chitti babu General manger in Vijeswaram Gas Power Plant at vijeswaram our student's participle on 22<sup>th</sup> Jan 2019.



## EVENTS ORGANIZED – FACULTY

1. Our faculty organized by one day workshop on Advancements in Electrical Engineering in DNR Engineering College during 28<sup>th</sup> Jan, 2018 to 29<sup>th</sup>, Jan, 2019.

2. Our faculty organized by two days workshop on Micro-Grids Using Home and PV Systems on DNR Engineering College during 28<sup>th</sup>, Jan, 2019 to 29<sup>th</sup>, Jan, 2019.
3. Our faculty organized by one day seminar on Scope of Electrical Components in Automobile Industry on DNR Engineering College during 28<sup>th</sup>, Jan, 2019 to 29<sup>th</sup>, Jan 2019.

## EVENTS ATTENDED – STUDENTS

- 1 K Rajesh participated on Paper presentation by Solar Water Irrigation Systems in SRKR engineering college, Bhimavaram on 23<sup>rd</sup> Mar 2019.
- 2 N.S. Srikanth participated on Paper presentation by Solar Water Irrigation Systems in SRKR engineering college, Bhimavaram on 23<sup>rd</sup> Mar 2019
- 3 N Dhana Raju participated on technical seminar by nano Batteries in Srivasavi College of engineering, Tadepalligudem on 12<sup>th</sup> April 2019.

## EVENTS ATTENDED – FACULTY

1. M. Srinu attended Faculty development program on Advances and Challenges in Industrial Automation, Electrical vehicles, Product and Process Controls Manufacturing in Electrical and Electronics Engineering in QIS College of Engineering & Technology, ongole on 03<sup>rd</sup> Feb 2019 to 07<sup>th</sup> Feb 2019.
2. B. Somanna babu attended Faculty development program on Artificial Intelligence Machine Learning and BIG Data Applications in Power Electronics in Gokaraju Ranga Raju institute of Engineering & Technology, Hyderabad on 15<sup>th</sup> Feb 2019 to 20<sup>th</sup> Feb 2019.
3. D. Joseph Kumar attended Faculty development program on Internet of Things Gateway to Smart Future Department of IOT in Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru on 18<sup>th</sup> Mar 2019 to 23<sup>rd</sup> Mar 2019.
4. G. Saibaba attended Faculty development program on Internet of Things: Gateway to Smart Future Department of IOT in Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru 18/03/2019 to 23<sup>rd</sup> Mar 2019.
5. P. Nagaraju attended Faculty development program on Challenges & Opportunities in Electrical Engineering a Research Perspective in Bharat Institute of Engineering &

Technology, Ibrahimpatnam on 15<sup>th</sup> May 2019 to 20<sup>th</sup> May 2019.

## PLACEMENTS

D.N.R OF ENGINEERING COLLEGE & TECHNOLOGY				
EEE DEPARTMENT 2019 - 2020				
S.no	Name of the company	Job Sector	No of students selected	Date
1	Cache Technology	It	1	13/02/2019
2	Radar Motors	Customer Support	3	18/02/2019
3	Creative Xperts Consulting Pvt Ltd	IT	1	26/02/2019
4	EY Global Delivery Services India LLP	IT	1	07/03/2019
5	United Rail Road Consultants Pvt Ltd	Transport	1	12/03/2019
6	Digital India	IT	3	15/03/2019
7	Wind World Ltd	Power sector	1	26/03/2019
8	Shripad Corporate Consultancy Private LTD	IT	1	30/03/2019
9	NXT Wave PVT. Ltd	ES & T. Services	1	07/04/2019

