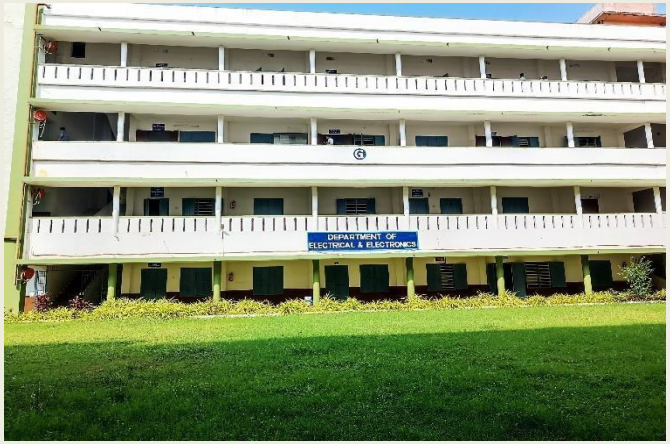
PROPULSION

No Resistance can drop our Potential

Departmental News Letter

2019 July - Dec

Volume-I **Issue-II**



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. K Durga Vinay participated in Technical Seminar on Renewable energy sources in Bonam Venkata chalamayya institute of Technology and sciences Gudalavalleru he got First prize on 12th Sep 2019.
2. N.S. Srikanth participated in Technical Seminar on Renewable energy sources in Gudlavalleru College of engineering, Gudlavalleru he got First prize on 05thDec 2019.

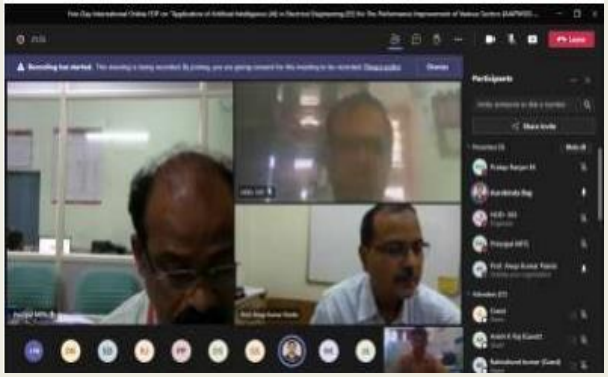
ACHIEVEMENTS – FACULTY

1. Sri M. Srinu Asst. professor achieved prototypes project developed by students as a part of the final year projects works and identifies IOT based smart feeder protection and monitoring systems his excellence in teaching and research in year 2019 to 2020
2. Sri P. Nagaraju Asst. professor prototypes project developed by students as a part of the final year projects works and identifies Smart solar water pump with flexible timings systems his excellence in teaching and research in year 2019 to 2020.
3. Sri M. joseph Kumar Asst. professor prototypes project developed by students as a part of the final year projects

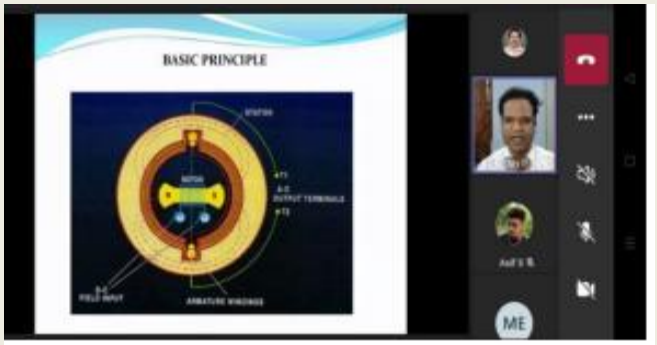
works and identifies IOT based substation automation his excellence in teaching and research in year 2019 to 2020.

EVENTS ORGANIZED – STUDENTS

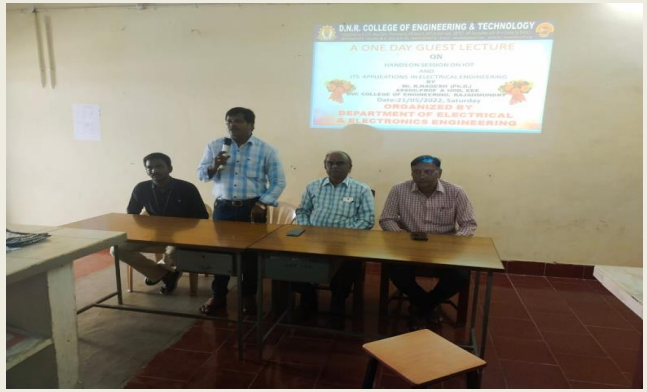
1. Two days work shop coordinated by G Saibaba has organized on PLC by Mr.P. Sairam Krishna Chinmaya micro technology, Chennai on 23rd July 2019 to 23rd July 2019.



2. One day guest lecture conducted by K. Nagesh (PhD) Assoc. Professor & EEE Department on practical implementation of micro grids organized by P. Nagaraju on14th Oct 2019.



3. Two days' workshop coordinated by M. Srinu on Electrical power systems, organized by P. Srinivas Rao Chinmaya micro-Technology, Chennai on 30th Dec 2019 to 11th Jan 2020.
4. One day industrial visit on 220/33kv Akividu substation organized by S. Pradeep Kumar, AEE undi substation, Bhimavaram on 20th Dec 2019.



EVENTS ORGANIZED – FACULTY

1. Two days seminar organized by M. Srinu on Software Tools used In Electrical Engineering Applications in DNR College of Engineering on 08th July 2019 to 12th July 2019.
2. Two days Workshop organized by D. Joseph Kumar on Advancements in Power Electronics in DNR College of Engineering on 19th Aug 2019 to 20th Aug 2019.
3. Two days Workshop organized by S. Rajesh on Smart Grid in DNR College of engineering on 13th Dec 2019 to 14th Dec 2019.

EVENTS ATTENDED – STUDENTS

1. K. Durga Vinay participated in Technical Seminar on Renewable energy sources in Bonam Venkata chalamayya institute of Technology and sciences Odalarevu on 12th Sep 19.
2. N. S. Srikanth participated in Technical Seminar on Renewable energy sources in Gudlavalleru College of engineering, Gudlavalleru he got First prize on 05th Dec 2019.
3. K. Rajesh participated in Technical Seminar on Renewable energy sources in Gudlavalleru College of engineering, Gudlavalleru he got First prize on 05th Dec 2019.
4. G. Sai baba participated in Technical Seminar on Power quality with help of FACTS Devices in Sri Vasavi College of engineering, Tadepalligudem on 27th Dec 2019.
5. P. Vishnu Priya participated in Technical Seminar on Electrical Traction Systems in India in Srivasavi College of engineering, Tadepalligudem on 27th Dec 2019.

PLACEMENTS

D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY				
EEE DEPARTMENT 2019 – 2020				
S.no	Name of the company	Job	No of students selected	Date
1	Efftronics	core	1	27/12/2019
2	TCS	IT	1	13/09/2019
3	CGI	IT	1	18/09/2019