



NARAYANA
ENGINEERING COLLEGE :: NELLORE
(APPROVED BY AICTE, NEW DELHI & PERMANENTLY AFFILIATED TO JNTU, ANANTHAPURAMU)

Newsletter N-SPARK

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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COLLEGE

Vision of the Institute

To be one of the nation's premier Institutions for Technical and Management Education and a key contributor for Technological and Socio-economic Development of the Nation.

Mission of the Institute

To produce technically competent Engineers and Managers by maintaining high academic standards, world class infrastructure and core instructions.

To enhance innovative skills and multi disciplinary approach of students through well experienced faculty and industry interactions.

To inculcate global perspective and attitude of students to face real world challenges by developing leadership qualities, lifelong learning abilities and ethical values.

Department

Vision of the Department

To impart knowledge in the field of Electrical and Electronics Engineering to meet the technical challenges of industry and society with strong innovative skills, leadership qualities and ethics.

Mission of the Department

To provide standard training and effective teaching learning process to the students by using the state-of-the-art laboratories, core instruction and efficient faculty.

To enhance competent, innovative and technical skills amongst the students through training programs by industry and external participation.

To inculcate leadership qualities, ethical values and lifelong learning skills in learners to serve the society and nation for overall development through value based education.

Program Educational Objectives (PEOs)

Programme Educational Objectives (PEOs) of B.Tech (Electrical and Electronics Engineering) program are: Within few years of graduation, the graduates will

PEO-1: To solve composite problems using mathematics, basic sciences and engineering principles in the domains of testing, design and manufacturing.

PEO-2: To achieve higher positions in their profession by demonstrating leadership qualities, research and innovative abilities.

PEO-3: To contribute in the field of Electrical and Electronics Engineering to finding solutions for societal problems through their lifelong learning skills and ethical values.

Program Outcomes (POs)

PO-1 : Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO-2 : 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.

PO-3 : 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.

PO-4 : 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.

PO-5 : 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.

PO-6 : 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.

PO-7 : 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.

PO-8 : Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO-9 : Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO-10 : 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.

PO-11 : 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.

PO-12 : 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.

PSOs of the Department

On completion of the B.Tech. (Electrical and Electronics Engineering) degree, the graduates will be able to

PSO-1: Provide alternate solutions to address the problems with specific requirements in the field of Electrical and Electronics Engineering.

PSO-2: be ready to work professionally in relevant industries like power systems, control systems and software industries.

Guest lecture on Digital marketing

Guest lecture on Digital marketing was organized at Narayana engineering college, Nellore, for the students of IV B.Tech EEE on 7th feb 2019. In this session they discussed about Digital marketing, it is a big deal in these days. After all, internet usage has doubled over the past decade and this shift has massively affected how people purchase products and interacts with businesses.



Guest lecture on "Control systems"

Guest lecture on "Control Systems" was organized at Narayana engineering college, Nellore, for the students of IV B.Tech EEE On 16th feb 2019. The session was conducted by Mr.A.Ravi, Vani Institute, Vijayawada. In this they discussed about the importance of control systems in GATE and other competitive exams.



Technical talk on Distributed control system in electrical engineering

On 27/3/2019 Narayana Engineering College, Nellore organized a Technical talk on "Distributed control system in electrical engineering" by R.Bhavani singh, General manager, SSK Delta Design Engineering pvt. ltd for III EEE students.



Project Expo

On 30/3/2019 Narayana engineering college, Nellore organized a Project Expo for EEE students. The purpose of this event is to showcase the projects of all the final year B.Tech students. There were more than 150 Students are Visited from various Engineering colleges and Finally HOD of the Department EEE judge the projects and based on their evaluation select the best three from each department.



Machine Learning Application in Power Systems

The Department of Electrical and Electronics Engineering has conducted a Certificate course-"Machine Learning Application in Power Systems" for all EEE students (II, III & IV B.Tech students) from 29/1/2019 to 2/2/2019. Such courses in college are very useful for the electrical engineering students. The demand of PLC & SCADA is increasing rapidly because most of the industries have adopted automation, so there is a great career scope in this field. The main objective of the course is not only getting a certificate to get desire job but also good to go with your interest and nice.



Electrical estimation and costing

The Department of Electrical and Electronics Engineering has conducted a Certificate course “Electrical estimation and costing” for all EEE students (II, III & IV B.Tech students) from 5/3/2019 to 9/3/2019 by sd. hidayathulla, Managing Director, AMI Institute & sk. Shakeer Ahamad, Project Engineer, AMI Institute.



Electrical Designing

Narayana engineering college, Nellore EEE department organized a Value Added course on “Electrical Designing” from Feb 21st to 24th 2019 for II & III EEE students by Sd. Hidythulla, Managing director, AMI industries, Kurnool.



General Quiz

To improve student’s communication skills Narayana Engineering College, Sakala Student association has organized the event General Quiz for all EEE students (II, III, IV B.Tech STUDENTS) on 5-1-2019. Such events benefit the students in following ways:

1. Initiate the discussion
2. Speak politely and pleasantly
3. Participation adds interest for students
4. Acquire and apply knowledge
5. Agree with the right
6. Speak confidently



Panel Discussion

Narayana Engineering College, Nellore organized a Panel Discussion - "Technology Creates Income Disparities" under Sakala Student association for all EEE students on 12/1/2019 at laboratory. Such events improves the students communication skills, confidence, also participation adds interest. Prizes were distributed to the winner's team.



Aptitude & Reasoning Test

To improve student's logical reasoning or thinking performance Narayana engineering college, sakala student association has organized the event on Aptitude & Reasoning Test for all EEE students (II, III, IV B.Tech STUDENTS) on 19-1-2019. In Such events students write exams on aptitude and reasoning written test they consist of multiple choice questions.



Just a minute

On Feb 2nd 2019 Narayana Engineering college, Nellore EEE department under sakala student association organized a program "Just a minute". Students from II, III year B.Tech are actively participated in this event. Speaking from a written piece of paper is as easy as ABC but speaking on any topic instantly is the real sense of talent. To show this taste of talent we are here with JUST A MINUTE sessions.



Group Discussion

The Department of EEE has conducted the event Group Discussion on 16/2/2019 at 01:30 p.m under the Students Association SAKALA. Students from II, III & IV year B.Tech are actively participated in this event and made this event a grand success. Prizes were distributed to the winner's team.



Working Model

Narayana Engineering College, sakala student association has organized Working Model for all EEE students (II, III, IV B.Tech STUDENTS) on 2-3-2019. The Department of EEE has conducted the event "Working Model's" at 10:00 a.m under the Students Association SAKALA. Students from II, III & IV year B. Tech are actively participated in this event and made this event a grand success. Prizes were distributed to the winner's team. Working model is a model of an actual or proposed machine that can do on a small scale the work which the machine itself does or is expected to do.



Poster presentation

Narayana engineering college, Nellore department of EEE has organized the event poster presentation under sakala student association for all EEE students on 16-3-2019. The event was very beneficial to the aspiring students and was appreciated by all. Such events benefit the students in following ways:

1. Participation adds interest for students
2. Listening. Being a good listener is one of the best ways to be a good communicator.
3. Nonverbal Communication. Your body language, eye contact, hand gestures, and tone all Color the message you are trying to convey.
4. Clarity and Concision.
5. Friendliness.

Self Defense for Women

On Feb 11th 2019 Narayana engineering college, Nellore EEE department under women's forum organized a program "self defense for women" by P.J.Sudha, District legal service secretary for EEE girl students . The program is mainly enlightened the girl students how to solve their problems in the society and also guided about the type of body language, dressings, confidence, behavior etc towards the society.



World Cancer Day

The Department of EEE has conducted the event “world cancer day” under NSS on 4/2/2019 by Dr.H. Dattathreya ,Ramchandra Reddy Hospital ,Nellore. All II & III EEE students are participated in the Event at Edison Auditorium. The primary goal of World Cancer Day is to significantly reduce illness and death caused by cancer and to raise the awareness of cancer and to encourage its prevention, detection, and treatment.



World Tuberculosis (TB) Day

World Tuberculosis (TB) Day on 24th march 2019 was celebrated in Narayana Engineering College, Nellore at Edison auditorium for II & III EEE Students by P. Madhu Kiran, M.B.B.S, M.D, DNB General Surgery to raise public awareness about the devastating health, social and economic consequences of TB, and to step up efforts to end the global TB epidemic.



Alumni Meet-19

The Alumni meet is an event for old relationships to be cherished, celebrated and refreshed and new ones to be formed. It is a time of reflecting, remembering the good old times and memories of the Alumni and looking forward with a sense of purpose and anticipation. We are pleased to have organized a wonderful and memorable Alumni meet-19 on 12th Jan 2019 at NECN. The Alumni Meet was also attended by Heads of Department, Director, faculties from various departments, office staff and students. The occasion was graced by almost 180 Alumni from last 10 batches.

On the occasion of Alumni Meet, they interacted with final year students and addressed their queries related to career opportunities, higher studies, placement preparation and entrepreneurship. The Meet ended with a sweet hope of Meeting again with Alumni next year.

Farewell Party:

Narayana engineering college, Nellore organized Farewell Party "NEVER SAY GOODBYE" on 23th March 2019 at the college auditorium, where students of B.Tech 3rd year bid farewell to the outgoing students of B.Tech final year with great enthusiasm. Function began with a floral welcome of Dr. G.SrinivasuluReddy,Principal, Dr.AVS.Prasad,Director, Dr.G.Venkateswarlu, Hod of EEE, staff and students. All the seniors and juniors had filled the auditorium with colorful attires which added beauty to the event.

The day ended by capturing memories with photo sessions. Atlast the auditorium was geared up with DJ filling high energies and immense pleasure among all, with the stamps of amazing memories and fun.



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