

DEPARTMENT OF EEE
PRESENTS

FULGUR

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NPSBCET

THE HALF-YEARLY DEPARTEMENT NEWSLETTER

Vision of the Institute

To be a globally recognized academic Institution and there by contribute to technological and social economic development of the society.

Mission of the Institute

- 1.To develop the needed resources and infrastructure, and to establish a conducive ambience for the teaching learning process.
- 2.To Engage Committed members of faculty who will infuse subject knowledge with latest teaching pedagogies.
- 3.To Ignite the desire for higher learning, research and entrepreneurship and equip them to face the global challenges.
- 4.To engage the alumni professionals as productive partners with the current students to help to enrich enhance their student life

Vision of the Department

To produce globally competent Electrical and Electronics Engineers who can cater to the contemporary needs of the Industry and Society

Program Educational Objectives of the EEE Department

- PEO I: Procure optimum solution for Electrical Engineering problems in order to cater a successful professional career.
- PEO II: Demonstrate creativity in the engineering practices including entrepreneurial and collaborative ventures with strategic thinking, planning and execution for lifelong learning.

PEO III: Exhibit to communicate effectively, recognize and incorporate societal needs and constraints in their professional endeavors and practice the profession with high regard to legal and ethical responsibilities.

Program Specific Outcome of the EEE Department

- PSO 1: Shall have potential to analyze, design, synthesize and provide technical solutions in the field of power generation, distribution, renewable energy systems and Embedded Systems.
- PSO 2: Shall exhibit leadership skills, pursue entrepreneurship and contribute in the field of Electrical and Electronics Engineering.

Mission of the Department

- M1: To provide a good infrastructure and serene environment to cater the curriculum requirements of Electrical and Electronics Engineering
- M2: To motivate the students and faculty towards research activities in association with industries
- M3: To provide a conducive environment for students to enhance their co-curricular, soft skills and ethical values for their career development.
- M4: To stimulate continuing education for creating quality engineers towards sustainable improvement in the society

NAAC

The evaluation of the Electrical and Electronics Engineering (EEE) department during the NAAC visit held on February 3, 2023, at our Engineering College was a significant milestone in assessing the department's quality and standards. The visit encompassed a thorough examination of various facts including academic curriculum, faculty expertise, research initiatives, infrastructure, and student outcomes.



New Prince Shri Bhavani
College of Engineering and Technology
Affiliated to Anna University | ISO 9001:2015 Certified | Accredited by NAAC
Tombaram-Veitchery Main Road, Santhosapuram, Chennai-600 073.

ACCREDITED WITH GRADE
A+
NAAC

has been awarded with
A+ GRADE
by
National Assessment and Accreditation Council (NAAC)

Congratulations & Thank You

"Youngest Institution To Reach High Scores"

3.47

to all Faculty, Students, Parents, Alumni, Recruiters, Industry Partners, Non-teaching Staff for this achievement

NAAC A+ Grade achievement

The department's infrastructure, including laboratories and research facilities, was meticulously inspected to ensure compliance with established norms and standards. Moreover, student involvement and achievements were scrutinized to gauge the effectiveness of the department's educational programs in nurturing competent engineers.

NSS CAMP 2023



Activities by NSS Cadets

The NSS Unit of the College organized a 5 day camp at its campus from 3th to 7th May 2023. The main theme of the camp was "Healthy Youth and Healthy India". Mr. Ramesh Kumar, NSS Coordinator. During the 5 day camp different kinds of activities were organized like School Campus Renovation, Ophthalmology Camp, Temple cleaning, Tree Planting Ceremony, Syllabary training, Helmet awareness rally, Disaster Management Training, Yoga and Meditation to train volunteers physically and mentally. The students from our department actively participated in the Blood Donation Camp. While addressing to people at the camp our NSS volunteers brought awareness in them about shortage of blood and why we must donate blood every year, to help the persons requiring blood.

TECHNICAL EVENTS

FAISCA'23 NATIONAL LEVEL TECHNICAL SYMPOSIUM - APRIL 20, 2023

PAPER PRESENTATION



Prize Winner with the Organizing Team


Around 30 Students from various Engineering Colleges participated in the event and shared their expertise in the diverse domains like Energy Engineering, Power Systems, and Embedded based applications and Renewable Energy Systems. Dr. C. Sharmeela, Professor, EEE department, College of Engineering, Guindy, Anna University was acting as the Jury member and cultivate the participants research ideas.

TECHNICAL QUIZ



Winners of the Technical Quiz receiving Certificate

Around 25 teams from different institutions enthusiastically participated in the Technical Quiz event. The event was conducted in 3 rounds, First round was conducted through google forms which consists of 20 technical questions. 10 teams were shortlisted for second round and 3 teams were selected from the technical connections and they participated in circuit debugging in their final round. The Prize winners are awarded with cash prize and all the participants were appreciated with Participation certificates.



One of the fascinating facts is that in a year, a single electric car on the roads can save an average of 1.5 million grams of CO₂.

PROJECT EXPO

Around 10 teams from various institutions enthusiastically participated in the Project expo. As we continue to celebrate and support the innovators and visionaries driving these endeavors, let us harness the power of innovation to address the most pressing challenges facing our world today



Dr. Saravanan, were interacting with the students and guided them to improvise their project work. The Prize winners are awarded with cash prize and all the participants were appreciated with Participation certificates.

GUEST LECTURE



Guest lecture on Simulation of Electronic circuits using MATLAB was organized on 31st March. 2023. Mr. R. Vijay Kumar, Founder CEO of Fheenix Tech solutions was the resource person He explored about creating a circuit schematic using a tool like MATLAB's Simulink or any other circuit design software.



Guest lecture on Job Hunting and Self Improvement practices was held on 20th May .2023, Mr. Karthikeyan Ponnusamy, Technical Lead R&D Engineering, Erode was the resource person of the event.

TECHINECAL SEMINAR

DO YOU KNOW



About 75% of the brain is made up of water. The human brain uses 20 watts of electrical energy per day.



A Seminar on “Power Flow Analysis” was organized on 7th February, 2023. Mr. P. Aswin Surendar, Proprietor, OMEGA ABRASIVES, Chennai, our dignified Alumni of Electrical And Electronics Engineering presented the latest trends in Power Flow Analysis.



A Workshop on the topic “Robotics and Automation” was conducted by the Department of Electrical and Electronics Engineering. Students got good exposure on simulation using UI Automation path during the workshop.

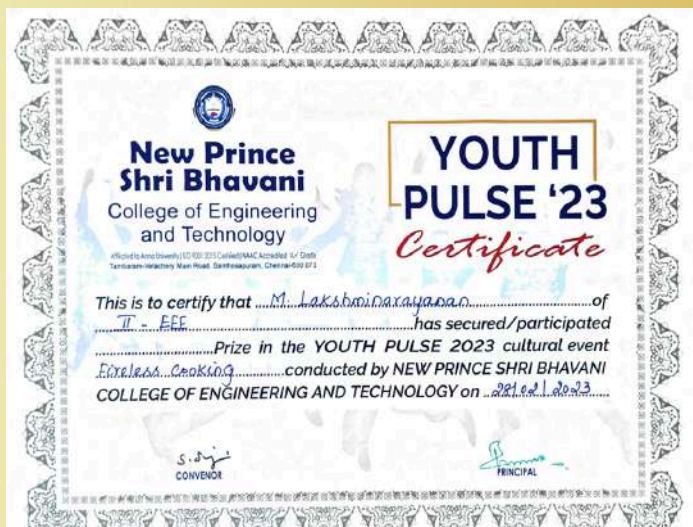
STUDENTS ACHIEVEMENTS



Mr. Sahil Dhanaji Zimal proudly receives a certificate for securing 3rd place for the coding contest called “CODEATHON 22-23” Organized by “Mohamed Sathak A.J. College of Engineering”, Chennai.



Asokan K, D.Milson Bharath , Ravin Kumar R, Santhosh S & M.Tamil Selvan of IV year EEE presented paper in the International Conference on Recent Advances in Science , Engineering and Technology(ICARASET) organized by Bharath Institute of Higher Education and Research , Chennai on 25th & 26th May 2023.



Mr. Lakshminarayanan M , II year EEE, receives a certificate for active participation in “YOUTH PULSE 2023” cultural event - Fireless cooking organized by our Institution.



Miss. Priyanka. V of II year EEE , receives a certificate for actively participated in “Three day workshop” on “New Trends In Electrical power System” Organised by Department of Electrical and Electronics Engineering, Bapatla Engineering College, Andhra Pradesh.

CELEBRATIONS AND CULTURALS

YOUTH PULSE



Youth Pulse events are vibrant occasions that showcase the diverse talents, traditions, and creativity of students. These events typically involve performances, exhibitions, workshops, and activities that celebrate various aspects of culture, including music, dance, art, cuisine, and literature.

WOMEN'S DAY CELEBRATION



Performance by Ms.R.Revathi, AP/EEE in Women's Day Celebrations 2023.

By organizing a Women's Day celebration in College, Students, and Faculty can come together to celebrate Women's achievements, amplify women's voices, and advocate for gender equality and social justice.

PONGAL CELEBRATION



During the Pongal Celebration, students showcased their talents through a vibrant cultural extravaganza, featuring traditional dance performances, folk music, and skits highlighting the rich cultural heritage of Tamil Nadu. Colourful costumes, rhythmic beats, and spirited performances captivated the audience, fostering a sense of unity and camaraderie among attendees.

ALUMNI MEET



Management Interaction with Alumni

The motto of organizing Alumni Meet is to provide networking and professional development opportunities for alumni and it helps in building community culture. Alumni Association function held on 6th March.2023.

FAREWELL



Final Year Students Enjoying with their Juniors during Farewell

Electrical and Electronics Department organized farewell on 21st April 2023. A farewell function was organized to bid farewell to our final year students leaving our Electrical and Electronics Engineering. These event was organized to honor and celebrate the departing individual and to express appreciation for their contributions and presence. Farewell functions included speeches, presentations, sharing of gifts, and games and activities, all aimed at creating a memorable send-off for the students. It's was conducted to express our well-wishes and to reminisce about shared their experiences.

Graduation Day



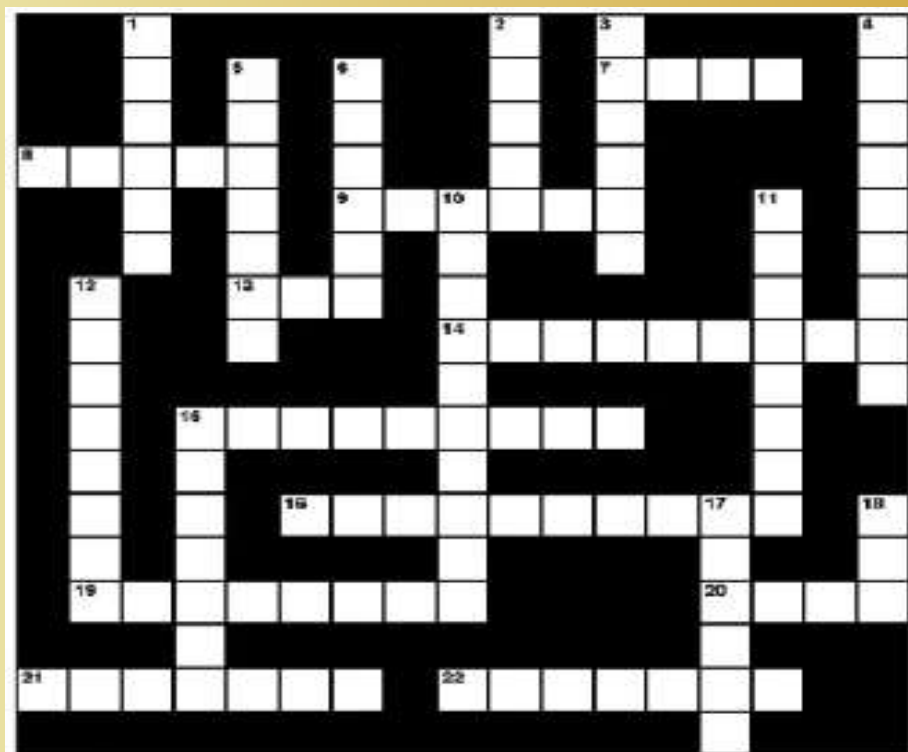
P.Aswin Surendar Receiving his Degree from Dignitaries

New Prince Shri Bhavani College organized graduation day on 16th April 2023. The venue for the event in open air auditorium and the program for the graduation ceremony include speeches from faculty members, students, and guest speakers, as well as the presentation of Degrees graduation certificates and Rank Certificates.



Graduates with the Faculty Team

DO THE CROSSWORD:



Electric cars have a higher life span compared to the traditional fossil-fuel cars.

ACROSS:

7. Unit of electrical power, named after the Scottish inventor of the steam engine
8. a rotating machine that transforms electrical energy into mechanical energy
9. The kind of electricity you create by rubbing a balloon on your head
13. Atom or group of atoms that carries a positive or negative electric charge as a result of having lost or gained one or more electrons
14. Emission of radiant energy in the form of waves or particles
15. It transmits electricity, like copper
16. Opposition to the passage of an electric current
19. Elementary particle consisting of a charge of negative electricity
20. Smallest particle of an element that can exist either alone or in combination
21. Uncharged elementary particle
22. Electric potential or potential difference

DOWN:

1. Elementary particle that carries positive charge
2. Electromagnetic radiation in the wavelength range including infrared, visible, ultraviolet, and X-rays
3. Device for making, breaking, or changing the connections in an electrical circuit
4. Flash produced by a discharge of atmospheric electricity
5. Complete path of an electric current including the source of electric energy
6. Inventor of the electric light bulb
10. Force acting on particles of matter, tending to draw them together
11. Electrical charge with more protons than electrons
12. Electrical charge with more electrons than protons
15. Electrical flow through a conductor
17. Definite quantity of electricity
18. Unit of electrical resistance

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