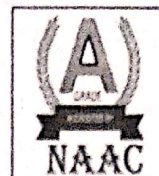




NPR

COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai | Accredited by NAAC with 'A' GRADE
Recognized by UGC under 2 (f) | ISO 9001:2015 Certified | Web: www.nprcolleges.org | E-Mail: nprcetprincipal@nprcolleges.org
NPR Nagar, Natham - 624 401, Dindigul Dist, Tamil Nadu. Ph: 04544 - 246500, 501, 502.



Program Name: B.E. Electrical and Electronics Engineering

Department Vision

- To develop students, acquire professional and technical competencies through technology-oriented education.

Department Mission

- To provide an academic environment with strong theoretical and practical engineering skills
- To evolve engineers who would investigate, design and offer solutions to the society using cutting-edge technologies

Program Educational Objectives


Bachelor of Electrical and Electronics Engineering curriculum is designed to prepare the graduates having attitude and knowledge to

- **PEO1:** Have successful technical and professional careers in their chosen fields such as circuit theory, Field theory, control theory and computational platforms.
- **PEO2:** Engross in life long process of learning to keep themselves abreast of new developments in the field of Electronics and their applications in power engineering.
- **PEO3:** The graduates of the program will have capability in provided that best possible solutions to public problems with a comprehensive attitude.

Program Specific Outcomes

- Apply the modern tools and provide solutions for the real time problems related to energy conservation.
- Apply, develop and design the electrical and electronics systems used in power control applications and renewable energy industries with ethical standards.



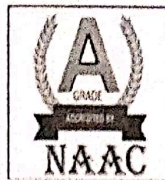

Dr. B. MARUTHU KANNAN, M.E., Ph.D.
Principal
NPR College of Engineering and Technology
Natham, Dindigul (Dt)-624 401



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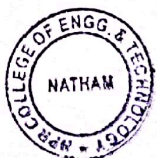
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Program Outcomes

Engineering Graduates will be able to:

- **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
- **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.



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