



# 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: Electronics and Communication Engineering

### Department Vision

- To impart quality technical education and nurture excellence to meet the impending challenges in emerging technologies

### Department Mission

- To instill the thirst for advancement in Electronics and Communication technologies to address the social needs.
- To increase industrial interaction to ascertain prevailing technologies.
- To inculcate ethics and transform lives through value-based education.
- To enhance analytical and practical skills to solve real time problems in the society.

### Program Educational Objectives

Graduates of Electronics and Communication Engineering Program will be able

- PEO1: To have a successful career in academia or industries associated with Electronics and Communication Engineering, or as entrepreneurs.
- PEO2: To build solutions or systems of varying complexity with strong fundamental concepts and advanced techniques.
- PEO3: To analyze existing literature in an area of specialization and ethically develop innovative and research-oriented methodologies to solve the real time problems.

### Program Specific Outcomes

At the end of the program,

- PSO1: Our students will be highly proficient in Electronic circuits, Embedded and communication systems and able to find solutions for real time complexities.
- PSO2: Our students will be able to utilize MATLAB, Xilinx tools and techniques to develop innovative research ideas for new applications.



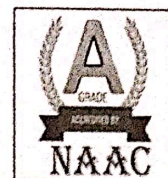
**Dr. B. MARUTHU KANNAN, M.E., Ph.D.,**  
Principal  
NPR College of Engineering and Technology  
Natham, Dindigul Dist - 624 401



# 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 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.



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