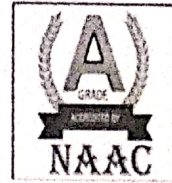




NPR

COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

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NPR Nagar, Natham - 624 401, Dindigul Dist, Tamil Nadu. Ph: 04544 - 246500, 501, 502.



Program Name: B.Tech. - Information Technology

Department Vision

- To develop students to flourish through technological innovations to become a globally competent IT Professional.

Department Mission

- To attain academic excellence in Information Technology through effective teaching learning process.
- To provide appropriate environment for the students to develop professionalism to meet the challenges with ethics and social responsibility.

To facilitate industry institute collaboration to supplement teaching and learning practices to fulfill the global standards

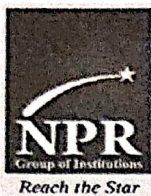
Program Educational Objectives

Graduates will be able to

- **PEO1** - Demonstrate technical competence with analytical and critical thinking to understand and meet the diversified requirements of industry, academia, and research.
- **PEO2** - Exhibit technical leadership, team skills, and entrepreneurship skills to provide business solutions to real-world problems.
- **PEO3** - Work in multi-disciplinary industries with social and environmental responsibility, work ethics, and adaptability to address complex engineering and social problems.
- **PEO4** - Pursue lifelong learning, use cutting-edge technologies, and involve in applied research to design optimal solutions.



Dr. R. MARUTHU KANNAN, M.E., Ph.D.,
Principal
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Natham, Dindigul Dt - 624 401



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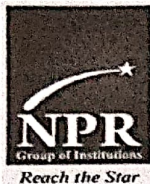
Program Outcomes

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.



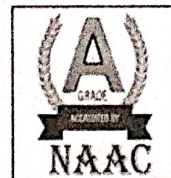
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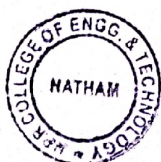
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Program Specific Outcomes

To ensure graduates,

- **PSO1:** Have proficiency in programming skills to design, develop and apply appropriate techniques, to solve complex engineering problems.
- **PSO2:** Have the knowledge to build, automate and manage business solutions using cutting-edge technologies.
- **PSO3:** Have excitement about research in applied computer technologies.




DR. B. MARUTHU KANNAN, ME., Ph.D.,
Principal

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