



Institute Vision & Mission

VISION

Mahaguru Institute of Technology aspires to become a globally recognized centre of excellence for science, technology & engineering education, committed to quality teaching, learning and research while ensuring for every student a unique educational experience which will promote leadership, job creation, social commitment and service to nation building.

MISSION

- Learning and innovation by creating and disseminating knowledge, empowering significant advances in technology, and driving economic development for the welfare of the state, the nation and the world.
- Also to provide a premier educational experience for our students and a world-class environment for our faculty that supports and prepares them for addressing the engineering challenges and opportunities that exist and await them in the 21st century.
- By imparting practical knowledge the institutions aims at transforming the individual minds into efficient engineers and facilitate socially responsive research, innovation and entrepreneurship.



MAHAGURU INSTITUTE OF TECHNOLOGY

Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University

Accredited by NAAC with B+ Grade

Department Vision & Mission

VISION

To become a front-runner in bringing out globally competent Electrical and Electronics Engineers and innovators, Instilled with human values and professional ethics.

MISSION

M1: To offer good quality Under-Graduate programme in Electrical and Electronics engineering.

M2: To provide state-of-the-art resources that contribute to achieve excellence in teaching-learning, research and development activities



PROGRAMME EDUCATIONAL OBJECTIVES

PEO1: To prepare under graduate students to excel in technical profession/ industry and/or higher education by providing a strong foundation in mathematics, science and engineering.

PEO2: To provide students with high moral and ethical values, life-long learning attitude and societal responsibilities.

PEO3: To train students to investigate complex engineering problems using modern techniques and propose effective solutions.

PROGRAMME SPECIFIC OUTCOMES

PSO1: 1. To gain a promising knowledge on basic engineering science with hands on training that would enhance the students in designing the technical concepts and furnish the knowledge on real time applications in Electrical and electronics engineering

PSO2. Apply the appropriate techniques and modern engineering hardware and software tools in electrical engineering to engage in life-long learning and to successfully adapt in multi-disciplinary environments

PSO3. Ability to adapt in multidisciplinary environment and expertise the student's skills in advanced technologies and creating engineering solutions for technical and non-technical aspects



PROGRAMME OUTCOMES

1. Engineering knowledge: Apply the knowledge of mathematics &, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
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.
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.
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.
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.
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.
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.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
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.
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.
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.