PATTUKKOTTAI POLYTECHNIC COLLEGE

DEPARTMENT OF EEE

Pattukkottai – 614 601

Thanjavur District , Tamil Nadu, India.

VISION OF INSTITUTE

To step forward towards Educational Excellence by inspiring students to be a competent Engineering professional to serve the needs of the industry and the society and create them as an entrepreneur.

MISSION OF INSTITUTE

M1. To impart quality education through demanding academic programs and create enthusiasm for life- long learning

M2. To enhance career opportunities for students through exposure to industry.

M3. To promote excellence by encouraging creativity, critical thinking, team work, leadership and ethics among students

M4. To inculcate sensitivity towards society and a respect for the environment

DEPARTMENT OF EEE

VISION:

To become a front-runner in bringing out globally competent electrical and electronics engineers and entrepreneurs and thereby contribute values to the knowledge-based economy and society.

MISSION:

M1: To promote comprehensive education and professional development by providing effective teaching learning process and quality infrastructure.

M2: To conduct skill development programmes in engineering technologies to serve the needs of industry, society, scientific communities and as an entrepreneur

M3: To inculcate work ethics and commitment in students for their future endeavors to serve the society with an attitude towards lifelong learning.

M4: To encourage the habit of team work and to develop technical and professional skills in each student to work individually as well as in team.

PEOs:

PEO1: Employability & Higher studies: Graduates will excel in higher education or to succeed in the electrical industry or in technical professions, through rigorous training during the program.

PEO2: Professionalism: Graduates will be able to provide socially acceptable technical solutions to complex electrical engineering problems with the application of modern and appropriate techniques for sustainable development.

PEO3: Managerial skills: Graduates will possess managerial skills to face challenges in the profession by working harmoniously in a team with effective communication skills, excellent leadership qualities, life-long learning attitude for a successful professional career.

PROGRAM OUTCOMES:

PO1: Basic and Discipline specific knowledge: Apply the theory of mathematics, science, electrical and electronic engineering fundamentals for solving the complex engineering problems.

PO2: Problem analysis: Identify, formulate and analyse complex electrical and electronic engineering problems using the principles of mathematics, science and engineering.

PO3: Design/ development of solutions: Apply creative thinking to solve complex electrical and electronic engineering problems, verify and implement the solutions with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PO4: Engineering Tools, Experimentation and Testing: Select and apply appropriate techniques, resources and modern electrical and electronic engineering tools, including prediction and modelling, to design, analyse and verify the electrical and electronic engineering systems and their components.

PO5: Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society with proper understanding of the impact of electrical and electronic engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.

PO6: Project Management: Demonstrate knowledge of engineering and management principles as a member and leader in a team, in managing multidisciplinary environments and effectively communicate on complex engineering activities with the engineering community and the society at large through written, oral and electronic forms.

PO7: Life-long learning: Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change in electrical and electronic engineering.

PSOs:

PSO 1: Integrate the knowledge of fundamental electronics, power electronics and embedded systems for the controllability, reliability and sustainability of electrical systems.