# Vision of the Department

"To impart technical knowledge and skills required to succeed in life, career and to help society to achieve self-sufficiency."

# Mission of the Department

- To become an internationally leading department for higher learning.
- To build upon the culture and values of universal science and contemporary education.
- To be a center of research and education generating knowledge and technologies which lay groundwork in shaping the future in the fields of electrical and electronics engineering.
- To develop partnership with industrial, R&D and government agencies and actively participate in conferences, technical and community activities.

# Programme Educational Objectives (PEOs):

**PEO-1:** Graduates will have a successful technical or professional career, including supportive and leadership roles on multidisciplinary teams.

**PEO-2:** Graduates will be able to acquire, use and develop skills as required for effective professional practices.

**PEO-3:** Graduates will be able to attain holistic education that is an essential prerequisite for being a responsible member of society.

**PEO-4:** Graduates will be engaged in life-long learning, to remain abreast in their profession and be leaders in our technologically vibrant society.

# Programme Outcomes (POs):

**PO-1:** Ability to apply knowledge of mathematics, science, and engineering.

**PO-2:** Ability to identify, formulate, analyze engineering problems using engineering sciences.

**PO-3:** Ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety..

**PO-4:** Ability to design and conduct experiments, as well as to analyze and interpret data with valid conclusions.

**PO-5:** Ability to utilize experimental, statistical and computational methods and tools necessary for modelling engineering activities.

**PO-6:** Ability to apply reasoning informed by the relative knowledge to evaluate societal, health, safety, legal and cultural issues and tasks applicable to the professional engineering practice.

**PO-7:** Ability to adapt broad education necessary to understand the impact of engineering solutions and obtain sustainability in a global, economic, environmental, and societal context.

**PO-8:** Ability to discover ethical principles and bind to professional and ethical responsibility.

**PO-9:** Ability to function as an individual and in multi-disciplinary teams.

**PO-10:** Ability to communicate effectively on complex activities in engineering community and society.

**PO-11:** Ability to develop Project management principles and apply in various disciplinary environments.

**PO-12:** Recognition of the need for, and an ability to engage in life-long learning

# Program Specific Outcomes (PSOs):

**PSO-1:** Graduates will interpret data and able to analyze digital and analog systems related to electrical and programming them.

**PSO-2:** Graduates will able to demonstrate, design and model electrical, electronic circuits, power electronics, power systems and electrical machines.