**Guru Nanak Dev Engineering College, Ludhiana**

**Electrical Engineering Department**

**Program Educational Objectives & Programme Outcomes**

**Program Educational Objectives:**

1. To train the students of electrical engineering program so that they can work with government and private sector companies responsible for development of power sector & prove themselves in electrical maintenance for industry.
2. To train the students of electrical engineering program who can contribute to teaching profession, research and development by pursing higher studies.
3. To train the students of electrical engineering program in a manner that they should function effectively in multi-cultural and multidisciplinary groups in their practice of electrical engineering profession.

**Programme Outcomes:**

1. An ability to apply knowledge of mathematics, science, and engineering to problem solving.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. An ability to design a system, component, or ethical, health and safety, manufacturability and sustainability.
4. An ability to function on multidisciplinary teams.
5. An ability to identify, formulates, and solves engineering problems.
6. An understanding of professional and ethical responsibilities.
7. An ability to communicate effectively.
8. The board education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
9. A recognition of the need for, and an ability to engage in lifelong learning.’
10. A knowledge of contemporary issues.
11. An ability to use the techniques, skills and modern engineering tools necessary for engineering practice.
12. Demonstration of their knowledge in effective implementation during their practice of profession of electrical engineering with due regard to environmental and social concerns.