**Vision and Mission of NED University**

The Vision and Mission of the NED University are outlined in its Quality Policy. The salient features are:

NED University of Engineering and Technology believes in establishing environment conducive to continual improvement in its efforts for providing the highest level of quality education.

This University is making all out efforts to raise its standards through teaching excellence and quality research. These efforts are carried out with involvement of the entire University work force - To obtain utmost possible satisfaction of its customers.

Our endeavors are to make our students useful to society in particular and to humanity in general. In dealings with industry and utilities, attempts are made to maintain standards of integrity as well as quality.

**Vision of Electronic Engineering Department**

Department of Electronic Engineering aims to impart high quality education to students by providing a learning environment to develop their knowledge & skills. It is our aim to create the globally competitive electronic engineers enabling them to serve the society through sustainable engineering principles and practices.

**Mission of Electronic Engineering Department**

To provide a high quality learning environment inculcating fundamental and specialized engineering knowledge, skills in critical thinking, communication, team work and leadership for producing globally competitive engineers; and to create opportunities for students and faculty for conducting basic and applied research that contributes to society through sustainable engineering principles and practices.

**Mission of Telecommunications Engineering Programme**

The mission of the Telecommunications Engineering Programme is to prepare the students for placement in local and International Telecom-related employment and/or Post-Graduate Studies by equipping them with the fundamental concepts, practical skills, knowledge of the state-of-the-art in the Telecom Industry and the ability to adapt to the fast-paced advancements in the field while contributing towards the progress and betterment of the society.
Program Educational Objectives (PEOs)

PEO-1: Demonstrate technical knowledge and competence in the implementation, testing and troubleshooting of Telecommunication engineering systems.

PEO-2: To have independent critical thinking as well as be a team player and provide leadership in communication and network engineering projects while engaging in effective professional communication within and beyond the engineering community.

PEO-3: Continue to develop professionally through life-long learning, while considering ethical and environmental issues.

Program Learning Objectives (PLOs)

- **PLO-1 (Engineering Knowledge):** An ability to apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

- **PLO-2 (Problem Analysis):** An ability to identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

- **PLO-3 (Design/Development of Solutions):** An ability to design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

- **PLO-4 (Investigation):** An ability to investigate complex engineering problems in a methodical way including literature survey, design and conduct of experiments, analysis and interpretation of experimental data, and synthesis of information to derive valid conclusions.

- **PLO-5 (Modern Tool Usage):** An ability to 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.

- **PLO-6 (The Engineer and Society):** An ability to apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the responsibilities relevant to professional engineering practice and solution to complex engineering problems.
• **PLO-7 (Environment and Sustainability):** An ability to understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.

• **PLO-8 (Ethics):** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.

• **PLO-9 (Individual and Team Work):** To enable them to work effectively, as an individual or in a team, on multifaceted and/or multidisciplinary settings.

• **PLO-10 (Communication):** An ability to communicate effectively, orally as well as in writing, 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.

• **PLO-11 (Project Management):** An ability to demonstrate management skills and apply engineering principles to one’s own work, as a member and/or leader in a team, to manage projects in a multidisciplinary environment.

• **PLO-12 (Lifelong Learning):** An ability to recognize importance of, and pursue lifelong learning in the broader context of innovation and technological developments.

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**PLOs to PEOs Mapping**

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