

I.T.U  
FACULTY of ELECTRICAL-ELECTRONICS  
ENGINEERING

ELECTRONICS AND COMMUNICATION ENGINEERING  
PROGRAM

## **Mission**

To provide education for those students who are able to compete internationally, able to produce creative solutions to the society's needs, conscious to the universal moral values, adherent to the professional ethical code, and to generate and disseminate knowledge and technologies essential to the local and global needs in the field of electronics and communication engineering.

## **Vision**

To become a nationally and internationally leading institution of higher learning, building upon the culture and the values of universal science and contemporary education, and a center of research and education generating the knowledge and the technologies which lay the groundwork in shaping the future in the fields of electronics and communication engineering.

## **Educational objectives**

- having strong background in basic science and basic mathematics and able to use these tools in their own engineering field,
- able to pinpoint and define engineering problems in the fields of electronics and communication engineering,
- able to employ necessary techniques, hardware, and communication tools for modern engineering applications,
- able to solve problems through analytical thinking in their own or related fields,
- able to work in a multi-disciplinary environment,
- able to follow and contribute to the developments in their own field recognizing the significance of lifelong learning,
- able to communicate effectively,
- having strong ethical and professional responsibility and adhering to quality,
- able to take individual responsibility and to work as a part of a team.

## **Program outcomes**

**PO<sub>1</sub>** : An ability to apply knowledge of mathematics, science, and engineering to electronics and communication engineering problems.

**PO<sub>2</sub>** : An ability to design and conduct experiments, and to analyze and interpret gathered data.

**PO<sub>3</sub>** : An ability to develop and/or design a system or system components to meet desired specifications, performance, and capabilities.

**PO<sub>4</sub>** : An ability to function on and/or develop leadership in multi-disciplinary teams.

**PO<sub>5</sub>** : An ability to identify, formulate, and solve electronics and communication engineering problems.

**PO<sub>6</sub>** : An understanding of professional and ethical responsibility.

**PO<sub>7</sub>** : An ability for effective communication.

**PO<sub>8</sub>** :An ability to understand and correctly interpret the impact of engineering solutions in a social/global context.

**PO<sub>9</sub>** : An ability to engage in life-long learning to follow developments in electronics and communication Engineering.

**PO<sub>10</sub>** :A knowledge and understanding of contemporary issues.

**PO<sub>11</sub>** : An ability to skillfully use modern engineering tools and techniques necessary for engineering design, analysis and applications.

**PO<sub>12</sub>** : A recognition of the need for quality.

**PO<sub>13</sub>** : An ability to function individually as well as part of a team.



# Electronics and Communication Engineering Program's Continuous Quality Improvement Loop



