

8. The Learning out comes of the program (LOs) :

The program has three domains for the learning out comes: Cognitive Domains, Psychomotor Domains, Affective Domains. And these learning out comes are related to the competencies of the graduate as Shown in table ():

a. Cognitive Domains (LOs):

- Lo5. Identify, formulate and solve fundamental engineering problems
- Lo6. Display professional and ethical responsibilities; and contextual Understanding
- Lo8. Consider the impacts of engineering solutions on society & environment.
- Lo10. Demonstrate knowledge of contemporary engineering issues.
- Lo15. Know the technology required to design, build, operate and maintain electronic systems, analog or/and digital, and all types of computers.
- Lo19. Know the field of digital and analog communication, mobile communication, coding, and decoding.
- Lo20. Know the basics and techniques of communication systems and signal processing.

b. Psychomotor Domains (LOs):

- Lo1. Apply knowledge of mathematics, science and engineering concepts to the solution of engineering problems.
- Lo2. Design and conduct experiments as well as analyze and interpret data.
- Lo3. Design a system; component and process to meet the required needs within realistic constraints.
- Lo11. Use the techniques, skills, and modern engineering tools, necessary for engineering practice.
- Lo12. Apply basic knowledge and concepts of mathematics and sciences and engineering principles to electronics systems.
- Lo13. Have the ability to design and execute an individual project.
- Lo16. Manipulate with the electronic circuits, all the way from the discrete components level, circuits' analysis and design, to the troubleshooting.
- Lo17. Realize control theory and measurement systems for industrial variables, signal conversion, conditioning and processing

c. Affective Domains (LOs):

- Lo4. Work effectively within multi-disciplinary teams.
- Lo7. Communicate effectively.
- Lo9. Engage in self- and life-long learning.
- Lo13. Have the ability to design and execute an individual project.
- Lo14. Have the relevant mathematical and computational skills.
- Lo18. Deal with the computer hardware, software, and interfacing.