Program Outcomes as defined by NBA (PO) Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. 2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences. and engineering sciences. 3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information provide conclusions. valid 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with the understanding of limitations. 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional the engineering practice. 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and the engineering ofpractice. 9. Individual and team work: Function effectively as an individual, and as a member or leader diverse in multidisciplinary settings. in teams. and 10. Communication: Communicate effectively 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. 11. Project management and finance: Demonstrate knowledge and understanding of the

engineering and management principles and apply these to one's own work, as a member and

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in

independent and life-long learning in the broadest context of technological change.

to manage projects and in multidisciplinary environments.

leader in a team.

PEO1:

To produce graduates who can demonstrate technical competence in the field of Electrical & Electronics Engineering and develop solutions to practical problems.

PEO2:

To produce graduates having a strong background of basic science, Mathematics & Engineering and ability to use these tools.

PEO3:

Adopt ethical attitude and exhibit effective skills in communication, management, teamwork and leadership qualities with professional competency through life-long learning such as advanced degrees, professional skills and other professional activities related globally to engineering & society.

PSO₁

To mould students to become a professional with all necessary skills, personality and sound knowledge in basic and advance technological areas.

PSO₂

To promote understanding of design and development associated with equipments for solving real time problems using modern hardware & software tools.

PSO₃

Should have the Excellent capability and adaptability to analyze multi-disciplinary work in electrical and electronic systems/subsystems to develop good interpersonal skills as a leader in a team in appreciation of professional ethics and societal responsibilities for a variety of engineering applications.