Graduate Educational Outcomes

1. **Problem Solving:** Ability to recognize, define, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics.
2. **Engineering Design:** Ability to develop engineering designs that satisfy specified needs within given constraints, using both analytical and synthetic approaches in the design process.
3. **Experimentation and Analysis:** Ability to plan and conduct proper measurements and tests with quality assurance, analyze and interpret results, and apply engineering judgment to draw valid conclusions.
4. **Communication:** Ability to effectively communicate orally and in writing with diverse audiences, including different managerial levels.
5. **Ethics and Professionalism:** Ability to recognize ethical and professional responsibilities in engineering contexts and make informed decisions considering global economic, environmental, and societal impacts.
6. **Lifelong Learning:** Ability to understand the continuous need for professional knowledge development and effectively identify, evaluate, acquire, and apply new knowledge.
7. **Teamwork and Project Management:** Ability to work efficiently in teams, set objectives, plan activities, meet deadlines, and manage risk and uncertainty.