

## **1. Programme objectives:**

1. PO1. Have technical knowledge and arguments.
2. PO2. Develop the ability of discovering knowledge, solving problem, thinking systematically, having a through grasp of the professional attributes and training generic skills.
3. PO3. Develop communication and group working skills.
4. PO4. Develop the ability of conceiving idea, designing, implementating, operating waste management and treatment system in the context of society and company.

## **2. Expected learning outcomes**

- 1.1 ELO1. Apply science, natural and society knowledge in engineering.
- 1.2 ELO2. Apply core fundamental knowledge in the field of environmental engineering technology.
- 1.3 ELO3. Apply specialized knowledge in the field of environmental engineering technology.
- 2.1 ELO4. Identify, analyze and solve problems.
- 2.2 ELO5. Conduct experiments, analyze and interpret data.
- 2.3 ELO6. Achieve the broad education necessary to understand and solve the realistic contradictions of environment – economic – society.
- 2.4 ELO7. Recognize the need and responsibility in life-long learning.
- 2.5 ELO8. Have professional and ethical responsibility, determine objectives and orientate career.
- 3.1 ELO9. Function as a leader and as a team member.
- 3.2 ELO10. Communicate effectively by means of documents, electronic media, presentation and negotiation.
- 3.3 ELO11. Use English in communication, especially in Environmental technology.
- 4.1 ELO12. Be aware of role and responsibility of professional career to the society.
- 4.2 ELO13. Conceive ideas, model system, implement and manage projects.
- 4.3 ELO14. Design waste management and treatment system.
- 4.4 ELO15. Implement and monitor waste management and treatment system.
- 4.5 ELO16. Operate waste management and treatment system.