

GUJARAT TECHNOLOGICAL UNIVERSITY

Chemical Engineering

M.E. Semester: II

Subject Name: **Environment and Safety Management (Major Elective -III)**

Sr. No.	Course Content
1.	Treatment of Hazardous waste / toxic waste
2.	Treatment of e-waste
3.	Design of Landfill sites
4.	Recent treatment methods for waste (gas, solid , liquid)
5.	Design of Incinerator
6.	Pollution Detector equipment
7.	Design of Interlock system for hazardous Process
8.	Design of Interlock / tripping System for hazardous Process
9.	Sample collecting system for hazardous material
10.	Safety rules & regulations for transportation , storage And handling of hazardous material
11.	Static & Mobile pressure vessels rules
12.	Environment management system -Environment audit & Environment management adequacy certificate

Text Books:

1. Chemical Engineering Handbook 7th edition by R.H.Perry & Green D.
2. Loss Prevention in Process Industries by Frank P. Less.
3. David Crown & Lowver