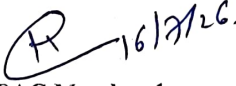


Lesson Plan (2026-27)

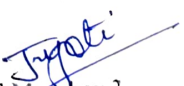
Name : Sonia
Discipline : Auto. Engg. & Mech. Engg.
Semester : 1st
Subject : ES & DM
Code : 250016
Duration : 03/08/26 - 23/11/26
Work Load : 2 Lectures per week

Lecture No.	Lecture Topic
1.	Basics of Ecology, Eco system Concept and sustainable development
2.	Sources, advantages, disadvantages of renewable and non-renewable energy
3.	Rain Water Harvesting, Deforestation – its effects and control measures
4.	Air and Noise Pollution: Air Pollution: Source of Air Pollution
5.	Effect of Air Pollution on Human Health, Economy, Air Pollution control Methods
6.	Noise Pollution: Sources of Noise Pollution, unit of noise, Effect of Noise Pollution
7.	Acceptable Noise Level, different methods of minimizing Noise Pollution
8.	Water and Soil Pollution: Water Pollution: Impurities in water, Cause of water Pollution
9.	Sources of water Pollution. Effect of water pollution on human health
10.	Concept of DO, BOD, COD
11.	Prevention of water Pollution- water treatment processes
12.	Sewage treatment ,Water quality standard
13.	Soil Pollution: Sources of soil Pollution,
14.	Effect and control of soil pollution
15.	Type of solid waste- House hold, Industrial, Agricultural, Bio-Medical, Disposal of Solid waste.
16.	Solid waste management E-waste ,E-waste management
17.	Impact of Energy Usage on Environment: Global Warming ,Green House Effect, Depletion of Ozone Layer
18.	Acid Rain, Eco Friendly Material, Recycling of Material, Concept of Green Building
19.	Concept of Carbon credit and Carbon Foot Print, Disaster Management: Different type of Disaster
20.	Natural Disasters such as Flood, Cyclone, Earth Quake and Landslides etc., Manmade Disasters such as Fire, Industrial Pollution, Nuclear Disasters, biological Disasters.
21.	Accidents (Air, Sea, Rain and Road) , Structural Failures (Building and Bridges), War and Terrorism
22.	Disaster Preparedness plan, Prediction
23.	Early warnings and safety measures of Disaster Psychological Response
24.	Management of Trauma, Stress, Rumour and Panic
25.	Revision
26.	Discussion of Previous Question Paper


PAC Member 1
 (Sh. Narendra Rana)


PAC Member 2
 (Smt. Sonia)


Smt. Sonia (Lecturer)


PAC Member 3
 (Dr. Jyoti Gupta)