

NAME OF THE FACULTY

Ramesh Kumar

DISCIPLINE

: Computer Engineering

SEMESTER

: 2

SUBJECT

: Environmental Studies and Disaster Management

LESSON PLAN DURATION

: 15

WORK LOAD PER WEEK

: LECTURE-02 Hours

WEEK S.N.	THEORY	
	Lecture / Hrs	TOPIC (Including Assignment/Test)
1 st	1	Unit-1 Introduction and basic discussion about our Environment. Basics of Ecology
	2	Ecosystem- concept and sustainable development
2 nd	1	Renewable and Non-renewable resources Advantages, disadvantages of renewable and nonrenewable energy
	2	Rain water harvesting Advantages, disadvantages of Rain water harvesting
3 rd	1	Deforestation – its effects & control measures
	2	UNIT-II: Air and Noise Pollution Air Pollution: Source of air pollution, Effect of air pollution on human health.
4 th	1	Effect of air pollution on economy. Air pollution control methods.
	2	Noise Pollution: Source of noise pollution. Unit of noise. Effect of noise pollution, Acceptable noise level, Different method of minimizing noise pollution.
5 th	1	Class test/Quiz Assignment-1
	2	Sessional Test-1

WEEK S.N.	THEORY	
	Lecture / Hrs	TOPIC (Including Assignment/Test)
6 th h	1	. UNIT III: Water and Soil Pollution Water Pollution: Impurities in water, Cause of water pollution, Source of water pollution
	2	Effect of water pollution on human health, Concept of DO, BOD, COD.
7 th h	1	Prevention of water pollution- Water treatment processes, Sewage treatment. Water quality standard
	2	Soil Pollution :Sources of soil pollution, Effects and Control of soil pollution
8 th h	1	Types of Solid waste- House hold, Industrial, Agricultural, Biomedical, Disposal of solid waste.
	2	Solid waste management E-waste, E – waste management.
9 th h	1	UNIT IV: Impact of Energy Usage on Environment Global Warming, Green House Effect, Depletion of Ozone Layer, Acid Rain
	2	. Eco-friendly Material, Recycling of Material Concept of Green Buildings, Concept of Carbon Credit & Carbon
10 th	1	Class test/Quiz Assignment-2
	2	Sessional Test-2
11 th	1	UNIT V: Disaster Management A. Different Types of Disaster
	2	Natural Disaster: such as Flood, Cyclone, Earthquakes and Landslides etc

WEEK S.N.	THEORY	
	Lecture / Hrs	TOPIC (Including Assignment/Test)
12th	1	Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster
	2	Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster
13th	1	Biological Disasters, Accidents (Air, Sea Rail & Road)
	2	Structural failures(Building and Bridge), War & Terrorism etc
14th	1	Disaster Preparedness Plan, Prediction, Early Warnings and Safety Measures of Disaster.
	2	Psychological response and Management (Trauma ,Stress, Rumour and Panic)
15th		Assignment- 3/Quiz
		Sessional Test- 3