



# VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

Sponsored by Lavu Educational Society  
Affiliated to JNTU, Hyderabad & Approved by AICTE, New Delhi  
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dist.)-501301, Ph: 9652910002/3



## LESSON PLAN

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Course: **Enviromental Science** Academic Year: **2023-2024**

Name of the Faculty: **T. Dileep** Year & Semester: **I-I**

Sl. No.	Unit No	Date	Period No.	Day's Topic	Teaching Aids	Resource
1	I	14-Mar-22	4	Introduction, Definition, Scope and Importance of Ecosystem, Concept of Ecosystem	PPT	R1,R2,R5
2		15-Mar-22	2	Classification of Ecosystems. Structure and major components of an Ecosystem.	PPT	R1,R2,R5
3		16-Mar-22	4	Functions of Ecosystem. Food chains, Food webs and ecological pyramids	PPT	R1,R2,R5
4		21-Mar-22	4	Energy Flow in the Ecosystem. Biogeochemical Cycles	PPT	R1,R2,R5
5		22-Mar-22	2	Homeostasis/Cybernetics, Foodchain concentration. Biomagnification	Chalk and Talk	R1,R2,R5
6		23-Mar-22	4	Ecosystem value, services and carrying capacity	PPT	R1,R2,R5
7		25-Mar-22	1	Introduction to Natural Resources. Classification of Resources	PPT	R1,R2,R5



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8	II	28-Mar-22	4	Water Resources: Use and over utilization of surface and ground water. Floods and Droughts.	PPT	R1,R2,R5
9		29-Mar-22	2	Dams: Benefits and Problems. Mineral Resources: Use and exploitation	PPT	R1,R2,R5
10		30-Mar-22	4	Mineral resources:Environmental effects of extracting and using mineral resources. Case	PPT	R1,R2,R5
11		01-Apr-22	1	Energy Resources: Growing energy needs	Chalk and Talk	R1,R2,R5
12		04-Apr-22	4	Use of Alternate Energy Sources. Case Studies	PPT	R1,R2,R5
13		05-Apr-22	2	Land Resources: forest resources	PPT	R1,R2,R5
14		III	06-Apr-22	4	Introduction. Definition. Genetic, Species and Ecosystem diversity.	PPT
15	08-Apr-22		1	Values of Biodiversity	PPT	R1,R2,R5
16	11-Apr-22		4	Hot spots of Biodiversity. Threats to Biodiversity	PPT	R1,R2,R5
17	12-Apr-22		2	Endemic and Endangered Species. Poaching of Wildlife. Man-Wildlife Conflicts	PPT	R1,R2,R5
18	13-Apr-22		4	Conservation of Biodiversity	Chalk and Talk	R1,R2,R5
19	18-Apr-22		4	Food and fodder resources. Timber and non-timber forest products	Chalk and Talk	R1,R2,R5
20	19-Apr-22		2	Classification of Pollution and Pollutants	Chalk and Talk	R1,R2,R5



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21	20-Apr-22	4	Air Pollution. Causes, Effects and control measures	Chalk and Talk	R1,R2,R5
22	22-Apr-22	1	Water Pollution. Causes, Effects and control measures	Chalk and Talk	R1,R2,R5
23	25-Apr-22	4	Marine Pollution. Causes, Effects and control measures	PPT	R1,R2,R5
24	26-Apr-22	2	Noise Pollution. Causes, Effects and control measures	PPT	R1,R2,R5
25	27-Apr-22	4	Soil Pollution. Causes, Effects and control measures	PPT	R1,R2,R5
26	29-Apr-22	1	Thermal Pollution. Causes, Effects and control measures	PPT	R1,R2,R5
27	02-May-22	4	Waste water treatment methods. (STP, ETP & CETP)	PPT	R1,R2,R5
28	04-May-22	4	Nuclear pollution and Hazardous effects	PPT	R1,R2,R5
29	06-May-22	1	Methods of disposal of solid waste.	PPT	R1,R2,R5
30	23-May-22	4	Composition and characteristics of e-waste and its management	PPT	R1,R2,R5
31	24-May-22	2	<b>GLOBAL ENVIRONMENTAL PROBLEMS AND GLOBAL EFFORTS</b>	PPT	R1,R2,R5
32	25-May-22	4	Green House effect. Green house Gases (GHG), Global Warming	Chalk and Talk	R1,R2,R5
33	27-May-22	1	Sea level rise, Climate change and their impacts on human environment	Chalk and Talk	R1,R2,R5



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06-Jun-22	4	Ozone depletion and ozone depleting substances (ODS)	Chalk and Talk	R1,R2,R5
07-Jun-22	2	Deforestation and Desertification	Chalk and Talk	R1,R2,R5
08-Jun-22	4	International Conventions/Protocols(Earth Summit, Kyoto Protocol and Montreal Protocol)	PPT	R1,R2,R5
10-Jun-22	1	<b>ENVIRONMENTAL IMPACT ASSESMENTAND ENVIRONMENTAL MANAGEMENT PLAN</b>	PPT	R1,R2,R5
13-Jun-22	4	Definition of Impact, Classification of impacts	PPT	R1,R2,R5
14-Jun-22	2	Methods of baseline data acquisition	PPT	R1,R2,R5
15-Jun-22	4	Impacts on different environmental components	PPT	R1,R2,R5
17-Jun-22	1	Prediction of impacts and impact assessment methodologies	Chalk and Talk	R1,R2,R5
20-Jun-22	4	Environmental Impact Statement (EIS)	Chalk and Talk	R1,R2,R5
21-Jun-22	2	Environmental Management Plan (EMP)	Chalk and Talk	R1,R2,R5
22-Jun-22	4	Technological Solutions. Treatment technologies	Chalk and Talk	R1,R2,R5
24-Jun-22	1	Green Belt Development, Rain Water Harvesting	PPT	R1,R2,R5
27-Jun-22	4	Remote Sensing and GIS methods in EIA	PPT	R1,R2,R5

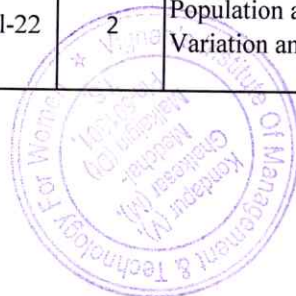


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28-Jun-22	2	<b>ENVIRONMENTAL POLICY, LEGISLATION, RULES AND REGULATIONS</b>	PPT	R1,R2,R5
29-Jun-22	4	National Environmental Policy. Environmental Protection Acts	PPT	R1,R2,R5
01-Jul-22	1	Legal Aspects: Air (Prevention and Control of pollution) Act-1981	PPT	R1,R2,R5
04-Jul-22	4	Legal Aspects: Water (Prevention and Control of pollution) Act-1974	PPT	R1,R2,R5
05-Jul-22	2	Legal Aspects: Water Pollution Cess Act-1977	PPT	R1,R2,R5
06-Jul-22	4	Legal Aspects: Forest Conservation Act	PPT	R1,R2,R5
08-Jul-22	1	Municipal Solid Waste management and handling rules	PPT	R1,R2,R5
11-Jul-22	4	Biomedical Waste management and handling rules	PPT	R1,R2,R5
12-Jul-22	2	Hazardous Waste management and handling rules.	PPT	R1,R2,R5
13-Jul-22	4	<b>TOWARDS SUSTAINABLE FUTURE</b>	PPT	R1,R2,R5
15-Jul-22	1	Concept of Sustainable Development. Threats to sustainability	PPT	R1,R2,R5
18-Jul-22	4	Strategies for achieving sustainable development	PPT	R1,R2,R5
19-Jul-22	2	Population and its Explosion. Variation among nations	PPT	R1,R2,R5



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