



# VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

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Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dist.)-501301, Ph: 9652910002/3



## LESSON PLAN

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

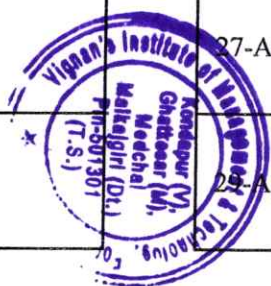
Name of the Course:	Enviromental Science	Academic Year: 2021-2022
Name of the Faculty:	T. Dileep	Year & Semester: I-I

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
8		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 Studies	PPT	R1,R2,R5
11		01-Apr-22	1	Energy Resources: Growing energy needs	Chalk and Talk	R1,R2,R5



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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	R1,R2,R5
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
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	28-Apr-22	1	Thermal Pollution. Causes, Effects and control measures	PPT	R1,R2,R5	





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02-May-22	4	Waste water treatment methods. (STP, ETP & CETP)	PPT	R1,R2,R5
04-May-22	4	Nuclear pollution and Hazardous effects	PPT	R1,R2,R5
06-May-22	1	Methods of disposal of solid waste.	PPT	R1,R2,R5
23-May-22	4	Composition and characteristics of e-waste and its management	PPT	R1,R2,R5
24-May-22	2	<b>GLOBAL ENVIRONMENTAL PROBLEMS AND GLOBAL EFFORTS</b>	PPT	R1,R2,R5
25-May-22	4	Green House effect. Green house Gases (GHG), Global Warming	Chalk and Talk	R1,R2,R5
27-May-22	1	Sea level rise, Climate change and their impacts on human environment	Chalk and Talk	R1,R2,R5
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



42	V	20-Jun-22	4	Environmental Impact Statement (EIS)	Chalk and Talk	R1,R2,R5
43		21-Jun-22	2	Environmental Management Plan (EMP)	Chalk and Talk	R1,R2,R5
44		22-Jun-22	4	Technological Solutions. Treatment technologies	Chalk and Talk	R1,R2,R5
45		24-Jun-22	1	Green Belt Development, Rain Water Harvesting	PPT	R1,R2,R5
46		27-Jun-22	4	Remote Sensing and GIS methods in EIA	PPT	R1,R2,R5
47		28-Jun-22	2	<b>ENVIRONMENTAL POLICY, LEGISLATION, RULES AND REGULATIONS</b>	PPT	R1,R2,R5
48		29-Jun-22	4	National Environmental Policy. Environmental Protection Acts	PPT	R1,R2,R5
49		01-Jul-22	1	Legal Aspects: Air (Prevention and Control of pollution) Act-1981	PPT	R1,R2,R5
50		04-Jul-22	4	Legal Aspects: Water (Prevention and Control of pollution) Act-1974	PPT	R1,R2,R5
51		05-Jul-22	2	Legal Aspects: Water Pollution Cess Act-1977	PPT	R1,R2,R5
52		06-Jul-22	4	Legal Aspects: Forest Conservation Act	PPT	R1,R2,R5
53		08-Jul-22	1	Municipal Solid Waste management and handling rules	PPT	R1,R2,R5
54		11-Jul-22	4	Biomedical Waste management and handling rules	PPT	R1,R2,R5
55		13-Jul-22	2	Hazardous Waste management and handling rules.	PPT	R1,R2,R5
56		13-Jul-22	4	<b>TOWARDS SUSTAINABLE FUTURE</b>	PPT	R1,R2,R5





57	15-Jul-22	1	Concept of Sustainable Development. Threats to sustainability	PPT	R1,R2,R5
58	18-Jul-22	4	Strategies for achieving sustainable development	PPT	R1,R2,R5
59	19-Jul-22	2	Population and its Explosion. Variation among nations	PPT	R1,R2,R5
60	20-Jul-22	4	Crazy Consumerism and exploitation of resources	PPT	R1,R2,R5
61	22-Jul-22	1	Environmental Education, Conservation of resources	PPT	R1,R2,R5
62	25-Jul-22	4	Urban Sprawl. Urban Poverty Vs Rural Poverty	PPT	R1,R2,R5
63	26-Jul-22	2	Human Health. Role of IT in environment	PPT	R1,R2,R5
64	27-Jul-22	4	Environmental Ethics. Environmental Economics	PPT	R1,R2,R5
65	29-Jul-22	1	Concept of Green Building. Clean development mechanism	PPT	R1,R2,R5

  
Faculty

  
HOD

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