

Counselling Code : MTEC

Estd : 1999

JNTUH College Code : 86


MOTHER THERESA COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E, New Delhi & Affiliated to J.N.T.U Hyderabad)

P.P.Colony (Po.), Peddabonkuru (Vill), PEDDAPALLI (Mdl. & Dist.) - 505174, Telangana State.

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LESSON PLAN

DEPARTMENT OF HUMANITIES AND SCIENCE

Name of the Course

Environmental Science

A.Y:2022-2023

Name of the Faculty

G Santhosh

Year & Sem: III - II


SNO	UNIT NO	DATE	LECTURE NO	TOPICS COVERED	TEACHING AIDS	RESOURCE
1	UNIT - I	13/02/23	1	Introduction, Definition, Scope and Importance of Ecosystem, Concept of Ecosystem	BB	RI
2		15/02/23	2	Classification of Ecosystems. Structure and major components of an Ecosystem	PPT	RI
3		17.02.23	3	Functions of Ecosystem. Food chains, Food webs and ecological pyramids	PPT	RI
4		20.02.23	4	Energy Flow in the Ecosystem, Biogeochemical Cycles, Homeostasis Cybernetics	PPT	RI
5		22.02.23	5	Homeostasis/Cybernetics,	PPT	RI
6		25.02.23	6	Foodchain concentration. Biomagnification	PPT	RI
7		27.02.23	7	Ecosystem value, services and carrying capacity	PPT	RI
9	UNIT - II	29.02.23	9	Introduction to Natural Resources. Classification of Resources Water Resources: Use and over utilization	PPT	RI
10		31.02.23	10	surface and ground water. Floods Droughts.	PPT	RI



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11		03.03.23	11	Dams: Benefits and Problems. Mineral Resources: Use and exploitation	PPT	RI
12		05.03.23	12	Mineral resources: Environmental effects of extracting and using mineral	PPT	RI
13		07.03.23	13	Energy Resources :Growing energy needs	BB	RI
14		10.03.23	14	Use of Alternate Energy Sources. Case Studies	BB	RI
15		12.03.23	15	Land Resources: forest resources	BB	RI
16	UNIT - III	14.03.23	16	Introduction. Definition.Genetic, Species and Ecosystem diversity	BB	RI
17		17.03.23	17	Values of Biodiversity	BB	RI
18		19.03.23	18	Hot spots of Biodiversity. Threats to Biodiversity	BB	RI
19		21.03.23	19	Endemic and Endangered,Species. Poaching of Wildlife	BB	RI
20		28.03.23	20	Man-Wildlife Conflicts, Conservation of Biodiversit	BB	RI
21		17.04.23	21	Food and fodder resources. Timber and non-timber forest products	BB	RI
22	UNIT - IV	19.04.23	22	Classification of Pollution and Pollutants	BB	RI
23		21.04.23	23	Air Pollution. Causes, Effects and control measures	BB	RI
24		24.04.23	24	Water Pollution. Causes, Effects and control measures	BB	RI
25		26.04.23	25	Marine Pollution. Causes ,Effects and control measures	BB	RI
26		26.04.23	26	Noise Pollution. Causes, Effects and control measures	BB	RI
		1.05.23	27	Soil Pollution. Causes, Effects and control measures	BB	RI
		03.05.23	28	Thermal Pollution: Causes, Effects and control measures	BB	RI
	05.05.23	29	Waste water treatment methods, (STP, ETP& CETP)	BB	RI	
	UNIT - V	08.05.23	30	Nuclear pollution and hazardous effects	BB	RI




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10.05.23	31	Methods of disposal and solid waste.	BB	RI
12.05.23	32	Composition and characteristics of e-waste and its management	BB	RI
31.05.23	33	Global environmental problems and Global efforts	BB	RI
02.06.23	34	Green House effect, Green house gases (GHG), Global Warming	BB	RI
05.06.23	35	Ozone depletion and ozone depleting substances (ODS)	BB	RI
07.06.23	36	Deforestation and Desertification	BB	RI
09.06.23	37	Methods of baseline data acquisition	BB	RI
12.06.23	38	Impacts on different environmental components	BB	RI
14.06.23	39	Prediction of impacts and impact assessment methodologies	BB	RI

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Name of the Faculty

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HOD
Head of the Department
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