

**UTKALMANI GOPABANDHU INSTITUTE OF
ENGINEERING, ROURKELA**



LESSON PLAN

SESSION: 2023-2024

**DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING**

SUBJECT CODE: Th.5

NAME OF THE SUBJECT: ENVIRONMENTAL STUDIES

BRANCH: ELECTRONICS & TELECOMMUNICATION

SEMESTER: DIPLOMA 3RD SEM

NUMBER OF CLASSES ALLOTTED PER WEEK: 4

TOTAL PERIODS ALLOTTED TO THE SUBJECT ACCORDING TO SCTEVT: 60

NAME OF THE FACULTY: MANINI MONALISA PRADHAN

UTKALMANI GOPABANDHU INSTITUTE OF ENGINEERING, ROURKELA



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SUBJECT CODE: Th.5

NAME: ENVIRONMENTAL STUDIES
BRANCH: ELECTRONICS & TELECOMMUNICATION

SEMESTER: DIPLOMA -III

PERIODS PER WEEK: 4

NAME OF THE FACULTY: MANINI MONALISA PRADHAN

NO OF CLASSES ALLOTTED PER WEEK ONLINE: 4 (01/08/2023 to 30/11/2023)

Week/Date	Lecture	Topic to be covered	Remarks
1 st week 01/08/2023 To 05/08/2023	1 st	Definition of multidisciplinary nature of environmental studies	
	2 nd	Scope of environmental studies	
	3 rd	Important of environmental studies, Need for public awareness	
2 nd week 07/08/2023 To 12/08/2023	1 st	Forest resources use and over exploitation, deforestation	
	2 nd	Case studies of timber extraction	
	3 rd	Mining ,Dams and their effects on forests and tribal people	
	4 th	Use and over utilization of surface and ground water, floods, ground water , conflict over water	
3 rd week 14/08/2023 To 19/08/2023	1 st	Mineral resources use and exploitation.	15/08/2023 (holiday)Need one extra class for adjustment
	2 nd	Food resources, world food problem, changes caused by agriculture.	

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	3 rd	Energy Resources, Growing energy needs renewable resources.	
	4 th	Land resources, land as resources, land degradation.	
4 th week 21/08/2023 To 26/08/2023	1 st	Soil erosion, Desertification of individual natural resources.	
	2 nd	Equitable use of resources for sustainable lifestyle	
	3 rd	Concept of Ecosystem	
	4 th	Structure and function of Ecosystem	
5 th week 28/08/2023 To 02/09/2023	1 st	Producer , consumers, decomposers	30/08/2023(holiday)
	2 nd	Energy flow in Ecosystem, ecological succession	Need one extra class
	3 rd	Food chain ,food web, ecological pyramids	for adjustment
	4 th	Introduction type characteristic feature of Ecosystem	
6 th week 04/09/2023 To 09/09/2023	1 st	Forest Ecosystem	06/09/2023(holiday)
	2 nd	Aquatic ecosystems	Need one extra class
	3 rd	Biodiversity, Definition of genetic and species	for adjustment

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	4 th	Ecosystems diversity	
7 th week 11/09/2023 To 16/09/2023	1 st	Biographically classification of India	
	2 nd	Value of biodiversity consumptive use and productive	
	3 rd	Biodiversity at global, national and local level	
	4 th	The arts to biodiversity, Habitat loss	
8 th week 18/09/2023 To 23/09/2023	1 st	Poaching of wild life.	
	2 nd	Air pollution	
	3 rd	Water pollution	
	4 th	Soil pollution	
9 th week 25/09/2023 To 30/09/2023	1 st	Marine pollution	
	2 nd	Noise pollution	
	3 rd	Thermal pollution	
	4 th	Nuclear Hazards	
10 th week 02/10/2023 To 07/10/2023	1 st	Solid waste management cause and effect	

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	2 nd	Control measures of individual waste	
	3 rd	Role of individual prevention of pollution	
	4 th	Disaster management	
11 th week 09/10/2023 To 14/10/2023	1 st	Floods	
2 nd	Earth quake		
3 rd	Cyclone		
4 th	Landslides		
12 th week 16/10/2023 To 21/10/2023	1 st	Unsustainable to sustainable development	20/09/2023(holiday)Need one extra class for adjustment
2 nd	Urban problem related to energy		
3 rd	Water conservation and rain water harvesting		
4 th	Water shed management		
13 th week 23/10/2023 To 28/10/2023	1 st	Resettlement of people	
2 nd	Rehabilitation of people		
3 rd	Environmental Ethics		
4 th	Climate change		
14 th week 30/10/2023 To 04/11/2023	1 st	Global warming	23/10/2023 to 28/10/2023 (holidays)Need four extra classes for adjustment
2 nd	Acid rain		
3 rd	ozone layer depletion		
4 th	Nuclear accidents		
15 th Week 06/11/2023 To 11/11/2023	1 st	Nuclear holocaust	
2 nd	Case studies		
3 rd	Air Act		

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	4 th	Prevention of air pollution	
16 th week 13/11/2023 To 18/11/2023	1 st	Control of air pollution	
	2 nd	Water Act	
	3 rd	Prevention of water pollution	
	4 th	Control of water pollution	
17 th week 20/11/2023 To 25/11//2023	1 st	Population growth	
	2 nd	population explosion	
	3 rd	Family welfare program	
	4 th	Environment and human health	
18 th week 27/11/2023 To 30/11//2023	1 st	Environment and human health continue	
	2 nd	Human rights	
	3 rd	Value of education	
	4 th	Role of information technology in human health	