

3rd sem ETC

BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY

SIVARAM VIHAR, GHATAKESWAR HILLS
MOHADA, BERHAMPUR (GM.)



STUDENT'S ATTENDANCE REGISTER

Time	9.05	9.55	10.45		
Day	9.55	10.45	11.35		
MON	✓				
TUE			✓		
WED		✓			
FRI		✓			







Year/ Session	2nd year , 2021-22
Semester & Branch	3RD SEMESTER of E & TC Branch
Subject with Code	ENVIRONMENTAL STUDIES, Th-5
Name of the Faculty Member	LINGARAJ PRADHAN.

B.I.E.T. SYLLABUS COVERAGE

TOPIC	DATE	SIGNATURE OF THE FACULTY	SIGNATURE OF THE H.O.D.
<u>UNIT-1</u>			
1) The Multidisciplinary nature of environmental studies:-	16.9.21	<i>[Signature]</i>	<i>[Signature]</i>
1.1) Definition, scope and importance.	19.9.21	<i>[Signature]</i>	<i>[Signature]</i>
1.2) Need for public awareness.	20.9.21	<i>[Signature]</i>	<i>[Signature]</i>
<u>UNIT-2</u>			
2) Natural Resources:- Renewable and non-renewable Resources:-			
2.1) Natural Resources and associated problems.	21.9.22	<i>[Signature]</i>	<i>[Signature]</i>
2.1.1) Forest-resources:- Use and over-exploitation, deforestation, case studies, Timber extraction, mining, dams and their effects on forests and tribal peoples.	23.9.22	<i>[Signature]</i>	<i>[Signature]</i>
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TOPIC	DATE	SIGNATURE OF THE FACULTY	SIGNATURE OF THE H.O.D.
2.1.2) Water Resources :- use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams, benefits and problems.	26.9.22 27.9.22		
2.1.3) Mineral Resources :- use and exploitation, environmental effects of extracting and using mineral resources.	28.9.22		
2.1.4) Food Resources :- World food problems, changes caused by agriculture and over grazing, effects of modern agriculture, fertilizers - pesticides problem, water logging, salinity.	30.9.22 12.10.22		

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2.1.5) Energy Resources :-
Growing Energy need, Renewable
and non-Renewable energy
sources, use of alternate
energy sources, Case studies.

14.10.22

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2.1.6) Land Resources :- Land
as a resource, land
degradation, Man induced
land slides, Soil erosion
and desertification.

17.10.22

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2.2) Role of individual in
conservation of natural
resources.

18.10.22

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2.3) Equitable use of resources
for sustainable life styles.

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TOPIC	DATE	SIGNATURE OF THE FACULTY	SIGNATURE OF THE H.O.D.
<u>UNIT-3 Systems</u>			
3.1) Concept of an ecosystem	19.10.22		
3.2) Structure and function of an ecosystem.	21.10.22	<i>[Signature]</i>	<i>[Signature]</i>
3.3) Producers, consumers, decomposers.			
3.4) Energy flow in the ecosystem.	25.10.22	<i>[Signature]</i>	<i>[Signature]</i>
3.5) Ecological succession.			
3.6) Food chains and food webs and ecological pyramids.	26.10.22	<i>[Signature]</i>	<i>[Signature]</i>
3.7) Introduction, types, characteristic features, structure, and function of the following ecosystem:-	28.10.22	<i>[Signature]</i>	<i>[Signature]</i>
3.8) Forest-ecosystem.			<i>[Signature]</i>

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E OF D.	TOPIC	DATE	SIGNATURE OF THE FACULTY	SIGNATURE OF THE H.O.D.
	2.9) Aquatic ecosystems: (Ponds, streams, lakes, rivers, Oceans, estuaries).	31.10.22		
	<u>UNIT-4</u>			
	Biodiversity and its conservation:-			
	4.1) Introduction - Definition:- Genetics, species and ecosystem diversity.	2.11.22		
	4.2) Biogeographically classification of India.			
	4.3) Value of Biodiversity:- Consumptive use, productive use, social, Ethical, Aesthetic and option value.	4.11.22 7.11.22		
				

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4.4) Biodiversity at global, national and local level.	9.11.22	<i>[Signature]</i>	<i>[Signature]</i> 5-1.5
4.5) Threats to biodiversity:- Habitats loss, poaching of wild life, man wild life conflicts.	11.11.22	<i>[Signature]</i>	<i>[Signature]</i> 5-1.6 5-1.7 5-2)
<u>UNIT-5</u>			
Environmental pollution :-			
5.1) Definition, Causes, effects and control measures of:-			
5.1.1) Air pollution	14.11.22	<i>[Signature]</i>	<i>[Signature]</i> 5-3)
5.1.2) Water pollution.	15.11.22	<i>[Signature]</i>	<i>[Signature]</i> pr
5.1.3) Soil pollution.	16.11.22	<i>[Signature]</i>	<i>[Signature]</i> 5.4)
5.1.4) Marine pollution.	18.11.22	<i>[Signature]</i>	<i>[Signature]</i> f a

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19/12/22	5.1.5) Noise pollution.	21.11.22	[Signature]	[Signature] 12/9/22
19/12/22	5.1.6) Thermal pollution.	22.11.22	[Signature]	[Signature] 12/9/22
	5.1.7) Nuclear Hazards.	23.11.22	[Signature]	[Signature] 12/9/22
	5.2) Solid waste management :- Cause, effects and control measures of urban and industrial wastes.	25.11.22	[Signature]	[Signature] 12/9/22
	5.3) Role of individual in prevention of pollution.	28.11.22	[Signature]	[Signature] 12/9/22
	5.4) Disaster Management :- floods, Earthquake, cyclone, and landslides.			[Signature] 12/9/22

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6.6) climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies.	5.12.22 6.12.22	<i>[Signature]</i>	<i>[Signature]</i> 12/9/22
6.7) Air (prevention and control of pollution) Act.	9.12.22	<i>[Signature]</i>	<i>[Signature]</i> 12/9/22
6.8) Water (prevention and control of pollution) Act.	9.12.22	<i>[Signature]</i>	<i>[Signature]</i> 12/9/22
6.9) Public Awareness.	12.12.22	<i>[Signature]</i>	<i>[Signature]</i> 12/9/22
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TOPIC	DATE	SIGNATURE OF THE FACULTY	SIGNATURE OF THE H.O.D.
<u>UNIT-7</u>			
Human population and the Environment:-			
7.1) Population growth and variation among nations.	13.12.22	<u>4-11/22</u>	
7.2) Population explosion - family welfare program.	14.12.22		
7.3) Environment and human health.	16.12.22	<u>4-11/22</u>	
7.4) Human Rights.	19.12.22	<u>4-11/22</u>	<u>4-11/22</u> 12/9/22
7.5) Value Education.	20.12.22	<u>4-11/22</u>	
7.6) Role of information Technology in environment and human health.	21.12.22	<u>4-11/22</u>	
	18/11/22	<u>Seen</u>	<u>Seen</u> 12.9.22