Course	Code	UES20AE1T	Course Name	ENVIRONMENTAL STUDIES				Co	ours	e Cat	egor	egory AE Ability Enhance			emen	ment Courses			1 3	T 0	P 0	C 3			
Pre-	requisi	te Courses	Nil C	o-requisite Courses		Nil	62	Pr	ogr	essiv	e Co	ırse	es						Ni	1					
Course (Offering	Department	Computer Appl	lications	Data Bool Codes/Sta		76	F		1						N	il								
Course I	Learnin	g Rationale (Cl	LR): The purpose	of learning this cours	e is to:			L	earn	ing	Į	t		P	rogr	am l	.ear	ning	Out	com	es (l	PLO)		
CLR-1:	To tea	ch the importan	c <mark>e of enviro</mark> nment					1	2	3	L.	1	2	3 4	. 5	5 6	7	8	9	10	11	12	13	14	15
		-	l <mark>ge about</mark> ecosyste											-	T	-									
	-	ch about Biodiv			117			E	(%)	9		a	2			edo		_							
CLR-4:	To cre	ate awareness	<mark>about</mark> environment	tal pollution		TILL	11.00	300	cy (ut (1	e	Concepts	DSCI	5	Knowledge		Data		Skills	Skills			Behavior	
CLR-5:	To und	derstand ab <mark>out l</mark>	<mark>Envir</mark> onment Prote	ction		Jackson 1	- 1	g)	ien	me		5	5		100	Z Z	pc		SIIIS	gSI	1000			hav	ing
(CLO): CLO-1: CLO-2: CLO-3:	To ga To un To im conse	derstand the str bibe an aesthet ervation and app derstand the ca	n the importance of the importance of the importance of types of pour the conceptuses of types of the conceptuses of types of types of the conceptuses of types of the conceptus the c	f this course, learners of natural resources and of an ecosystem of to biodiversity, under the of interdependence of the collution and disaster means and the collution and disaster means and the collution and t	d energy erstand the anagement	threats and	its	No No No Level of Thinking (Bloom)	75 80 70	60 70 65 70		Landan	H H Applical	H . - H -			· · Skills in	Ze	Ja	· · · Problem Solving	· · · Communication	· · · Analytical Skills	· · · ICT Skills	· · · Professional B	· · · Life Long Learning
CLO-5:	To ob	serve and <mark>disco</mark>	over the surrounding	g environment through	n field work			2	80	70	L	-	Н	- <i>f</i>	1 -	- -		-	-	-	-	-	-	-	-
Dura			9	9		Mu	9					1	ď	9				T			,	9			
1003500	SLO-1	Environmental	Studies- Concept	Concept of an ecosys	stem	Biodiversi And Local		bal, l	Vatio	nal	Causes, Effects and Control					Need for equitable utilization									
11.00	SLO-2	Scope and Im Environmental	portance of Studies	Ecosystem degradate Resource utilization	ion and	India as a Mega Diversity Nation				Measures of Nuclear hazards				Equity – Disparity											
SLO-1 Need for public awareness. Structure and Functions of an loss, poaching of lo						I Irnan _ riirai oniiity is						issu	es												
	SLO-2 Institutions in Environment Producers, consumers and decomposers man-wildlife confidence.				ife confli	Measures of Urban and Industrial Waste The need for Gender						er E	er Equity												
SLO-1 People in Environment Energy flow in the ecosystem Endangered speci						Inenerations					es fo	r futi	ıre												
S-3	SLO-2	Awareness ab Environmental		The water cycle, The cycle, The Oxygen of Nitrogen cycle, The	ycle, The	Endemic species of Ind			Role of Individuals In Pollution Prevention			The rights of animals													

126

	88		cycle and, Integration of cycles			
	v:		in nature			
S-4	SLO-1	Introduction to natural resources- Associated Problems	Ecological succession	Environmental Pollution- Definition	Disaster management- Nature Floods, Earthquakes	The ethical basis of environment education and
	SLO-2	Renewable and Nonrenewable resources			Floods, Earthquakes	awareness
S-5	SLO-1	Forest resources	orest resources Ecosystem, Introduction, Types, Characteristic features, Structure and functions		Cyclones Landslides	The conservation ethic and traditional value systems of India
	SLO-2	Water Resources	Forest ecosystem			muia
	SLO-1	Mineral Resources	Grassland ecosystem	The Pile	Social Issues and the	
S-6	SLO-2	Food Resources	Desert ecosystem	Causes, Effects and Control Measures of Water Pollution	Environment From Unsustainable to Sustainable Development	Wasteland Reclamation
S-7	SLO-1	Energy Resources	Aquatic ecosystems (ponds, lakes, streams)	Causes, Effects and Control	Water Conservation	Climate change & Global
3-1	SLO-2	Land Resources	Aquatic ecosystems (rivers, estuaries, oceans)	Measures of Soil Pollution	water Conservation	warming
	SLO-1	Renewable and non-renewable resources- Wind	Value Of Biodiversity	Causes, Effects and Control	Rain Water Harvesting	Acid rain & Ozone layer
S-8	SLO-2	Renewable and non-renewable resources- geothermal	Consumptive Value And Productive Value	Measures of Marine pollution	Watershed	depletion
6.0	SLO-1	Renewable and non-renewable Social Value and Ethical Value		Causes, Effects and Control Measures of Noise Pollution	Environmental Ethics: Issues and Possible Solutions	Nuclear Accidents and Nuclear
S-9	SLO-2	Renewable and non-renewable resources- Biomass	Aesthetic Value and Option Value	Causes, Effects and Control Measures of Thermal Pollution	Resource consumption patterns	Holocaust

Learning	
Resources	

Theory:

- Bharucha Erach, (2013), Textbook of Environmental Studies for Undergraduate Courses (Second edition). Telangana, India: Orient BlackSwan.
- Basu Mahua, Savarimuthu Xavier, (2017), SJ Fundamentals of Environmental Studies. Cambridge, United Kingdom: Cambridge University Press
- Dr.R.Jeyalakshmi.2014., Text book of Environmental Studies, Devi publications, Chennai
- Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad 380013, India, Email:mapin@icenet.net (R)

Learning	g Assessment											
**	Discouls			Final Examination (FOV) weighters)								
Level	Bloom's Level of Thinking	CLA -	1 (10%)	CLA -	2 (10%)	CLA -	3 (20%)	CLA - 4	(10%)#	Final Examination (50% weightage)		
	Level of Tilliking	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	
Lovel 1	Remember	400/	8	400/		40%		400/		400/		
Level 1	Understand	40%		40%	-	40%		40%		40%	-	

Level 2	Apply	30%		30%	_	30%	_	30%		30%	_
	Analyze			10707070						070700	
Lovel 2	Evaluate	200/	8	200/		200/		200/		200/	
Level 3	Create	30%	-	30%	-	30%	-	30%		30%	-
	Total	100	%	100) %	100) %	100) %	100 %)

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Academic	Internal Experts
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