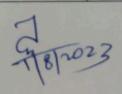
DISCIPLINE - ELECTRICAL ENGG	SEMESTER 3rd	NAME OF THE TEACHING FACULTY- JYOTIRMAYEE SETHY, LEC	T(ELECT.)
SUB-EVS			
WEEK	CLASS DAY	THEORY	STATUS
1 ST WEEK	1 ST day 2 nd day 3 rd day 4 th day	The Multidisciplinary nature of environmental studies: 1.1 Definition, scope andimportance. 1.2 Need for publicawareness.	
		Natural Resources:	
		Renewable and non renewable resources:	
2 nd WEEK	1 ST day 2 nd day 3 rd day 4 th day	2.1 Naturalresourcesandassociatedproblems. 2.1.1. Forest resources: Use and over-exploitation, deforestation, case studies, Timber extraction mining, dams and their effects on forests and tribal people. 2.1.2. Waterresources:Useando ver-utilizationofsurface and ground water, floods, drought, conflicts over water,dam'sbenefitsandpro blems. 2.1.3. Mineral Resources: Use and exploitation, environmentaleffectsofextr actingandusingmineral resources.	
3 RD WEEK	1 ST day 2 nd day 3 rd day 4 th day	2.1.4. Food Resources: World food problems, changes caused by agriculture and over grazing, effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity,. 2.1.5. Energy Resources: Growing energy need, renewable and non-renewable energy sources, use ofalternateenergysources,c asestudied.	

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4 TH WEEK	1 ST day 2 nd day 3 rd day 4 th day	2.1.6.LandResources Landasaresource,landdegradation, man induces landslides, soil erosion, and desertification. 2.2.Roleofindividualinconservationofnaturalresources. 2.3.Equitableuseofresourcesforsustainablelifestyles.	
5 [™] WEEK	1 ST day 2 nd day 3 rd day 4 th day	3.1. Concept of an ecosystem. 3.2. Structure and function of an ecosystem. 3.3. Producers, consumers, decomposers. 3.4. Energy flow in the ecosystems. 3.5. Ecological succession. 3.6. Food chains, food webs and ecological pyramids.	
6 TH WEEK	1 ST day 2 nd day 3 rd day 4 th day	3.8. Introduction, types, characteristic features, structure and function of the following ecosystem: 3.9. Forestecosystem: Aquatic eco systems (ponds, streams, lakes, rivers, oceans,	
7 TH WEEK	1 ST day 2 nd day 3 rd day 4 th day	Biodiversity and it's Conservation: 4.1. Introduction-Definition: genetics, species and ecosystemdiversity. 4.2. Biogeographically classification ofIndia. 4.3. Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and optinvalues.	
8 TH WEEK	1 ST day 2 nd day 3 rd day 4 th day	4.4. Biodiversity at global, national and locallevel. 4.5. Threatstobiodiversity: Habitats loss, poaching of wild life, man wildlifeconflicts	
9 TH WEEK	1 ST day 2 nd day 3 rd day 4 th day	Environmental Pollution: 5.1. Definition Causes, effects and control measuresof: 5.1.1 Airpollution. 5.1.2 Waterpollution. 5.1.3 Soilpollution	
10 [™] WEEK	1 ST day 2 nd day 3 rd day 4 th day	5.1.4 Marinepollution 5.1.5 Noisepollution. 5.1.6 Thermalpollution 5.1.7 Nuclearhazards.	



11 TH WEEK	1 ST day 2 nd day 3 rd day 4 th day	5.2. Solid waste Management: Causes, effects and control measuresof urban and industrialwastes. 5.3. Role of an individual in prevention ofpollution. Disaster management: Floods, earth quake, cyclone andlandslides.
12 [™] WEEK	1 ST day 2 nd day 3 rd day 4 th day	6.1. Form unsustainable to sustainabledevelopment. 6.2. Urban problems related toenergy. 6.3. Water conservation, rain water harvesting, water shed management. 6.4. Resettlement and rehabilitation of people; its problems and concern. 6.5. Environmental ethics: issue and possible solutions.
13 TH WEEK	1 st day 2 nd day 3 rd day 4 th day	6.6. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, casestudies. 6.7. Air (prevention and control of pollution)Act. Water (prevention and control of pollution)Act.Public awareness.
14 TH WEEK	1 ST day 2 nd day 3 rd day 4 th day	Human population and the environment: 7.1. Populationgrowthandvariationamongnations. 7.2. Populationexplosion-familywelfareprogram. 7.3. Environment andhumanhealth.
15 TH WEEK	1 ST day 2 nd day 3 rd day 4 th day	7.4. Humanrights. 7.5. Valueeducation 7.6. Roleofinformationtechnologyinenvironmentan dhumanhealth.

