• 1.3.1- List and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum

Courses Related to Environment and Sustainability

S. No	Course Code	Course Name	Se m	Dept	SDG Goal No	Description of the course
01	20BSCY201	Environmental Science And Engineering	2	All the Depart -ments	4,17	The objective of the course is to study the nature and facts about the environment; To find and implement scientific, technological, economic and political solutions to environmental problems. To study the interrelationship between living organisms and the environment. To provide the importance of the environment by assessing its impact on the human world; envision the surrounding environment, its functions and its value. To study the integrated themes and biodiversity, natural resources, pollution control and waste management.

02	20CEPC70	Water	7	Civil	1,2,6	The student is exposed to
	1	Resource &			, ,	different phases in irrigation
		Irrigation				practices and Planning and
		Engineering				management of irrigation.
						Further they will be imparted
						required knowledge on Irrigation
						storage and distribution canal
						system and Irrigation
						management.
						Students will be able to have
						knowledge and skills on crop
						water requirements. They will
						Understand the methods and
						management of irrigation. The
						students gain knowledge on types
						of Impounding structures and
						understand methods of irrigation
						including canal irrigation. The
						students get knowledge on water
						management and optimization of
						water use.

03	20CEEL701	Industrial	7	Civil	6	The objective of this course is to
		Wastewater				help students develop the ability
		Treatment				to apply basic understanding of
						physical, chemical, and
						biological phenomena for
						successful design, operation and
						maintenance of sewage treatment
						plants. The students completing
						the course will have an ability to
						estimate sewage generation and
						design sewer systems including
						sewage pumping stations. They
						will have the required
						understanding on the
						characteristics and composition
						of sewage, and self-purification
						of streams. The students will
						develop an ability to perform
						basic design of the unit
						operations and processes that are
						used in sewage treatment and
						understand the standard methods
						for disposal of sewage. The
						students also gain knowledge on
						sludge treatment and disposal.

04	20CYOE905	Air Pollution and Control Engineering	6	ICE, Civil, ECE	3,13	To impart knowledge on the principle and design of control of Indoor/ particulate/ gaseous air pollutant and its emerging trends. The students completing the course will have an understanding of the nature and characteristics of air pollutants, noise pollution and basic concepts of air quality management and ability to identify, formulate and solve air and noise pollution problems. The students acquire an ability to design stacks and particulate air pollution control devices to meet applicable standards and an ability to select control equipment. The students develop an ability to ensure quality,
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05	20CEEL601	Municipal Solid Waste Management	7	Civil	6, 11, 15	The objective of this course is to make the students conversant with the types, sources, generation, storage, collection, transport, processing and disposal of municipal solid waste. The students completing the course will demonstrate understanding of the nature and characteristics of municipal solid wastes and the regulatory requirements regarding municipal solid waste management. They will know the methodologies for Reduction, reuse and recycling of waste and acquire an ability to plan and design systems for storage, collection, transport, processing and disposal of municipal solid waste. The students get the knowledge on the issues on solid

Courses related to Human Values and Professional Ethics

S. No	Course Code	Course Name	Se m	Dept	SDG No.	Description of the course
1	20HSMG101	Personal Values	1	All the Departm ents	4,5	The objective of the course is imbibe values through Practical activities. Upon completion of the course, the student should be able to 1. Become an individual in knowing the self. (K4) 2. Acquire and express Personal Values, Spiritual values and fitness. (K4) 3. Practice simple physical exercise and breathing techniques. (K2) 4. Practice Yoga asana which will enhance the quality of life. (K1) 5. Practice Meditation and get benefitted. (K1) 6. Understanding moral values and need of physical fitness. (K2)

02	20HSMG201	Inter Values	Personal	2	All Depa	the rtm	4,5	The objective of the course is imbibe values through Practical
					ents			activities.
								Upon completion of the course, the
								student should be able to
								1. Develop a healthy relationship &
								harmony with others. (K1)
								2. Practice respecting every human
								being.(K3)
								3. Practice to eradicate negative
								temperaments.(K3)
								4. Acquire Respect, Honesty,
								Empathy, Forgiveness and Equality.
								(K4)
								5. Manage the cognitive abilities of
								an Individual.(K5)
								6. Understanding the importance of
								public speaking and teamwork.
								(K2)

04	20MBP109	Life and Managerial Skills	1	MBA	4	 Identify self and introspect holistic development. Imbibe individual and group attitude behaviour Develop a positive attitude for an effective outcome. Inculcating the managerial skills from the real leaders On completing the course students will be able to Demonstrate individual behavioural and interpersonal skills. Establish the life & managerial skills learning into practical applications Improve personal skills (attitudinal and behavioural) Create a better personal and professional environment by applications of these skills. Demonstrate out-of-box problem solving skills