

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.

Affiliated to the Visvesvaraya Technological University, Belagavi

Criterion:1.3

Academic Year:2020-21



Additional information

Criterion 1.3.1 Institution integrates cross cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum (At least 100 characters and within 500 words)

Sl No	Description	Link
1	Institution integrates cross cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum (At least 100 characters and within 500 words)	https://www.rrce.org/rrce/wp-content/uploads/2016/12/DVV1.3.1-Supporting-1.pdf

PRINCIPAL

Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74

1.3.1 Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum. (10)


Cross-Cutting Issues	
Gender	G
Environment and Sustainability	E & S
Human Values and Professional Ethics	HV & PE

Nature of the Course	
Professional Core	PC
Professional Elective	PE
Open Elective	OE
Basic Science	BS
Employability Enhancement Skills	EES

For Engineering Course			
Programme	Title of the Course	Issue Relevant to	Description
B.E (Common to All Branches)	ENVIRONMENTAL STUDIES	E & S	<ol style="list-style-type: none"> 1. Understand the principles of ecology and environmental issues that apply to air, land, and water issues on a global scale, 2. Develop critical thinking and/or observation skills, and apply them to the analysis of a problem or question related to the environment. 3. Demonstrate ecology knowledge of a complex relationship between biotic and abiotic components. 4. Apply their ecological knowledge to illustrate and graph a problem and describe the realities that managers face when dealing with complex issues.
	CONSTITUTION OF INDIA, PROFESSIONAL ETHICS AND CYBER LAW (CPC)	E & S HV & PE	<ol style="list-style-type: none"> 1. know the fundamental political codes, structure, procedures, powers, and duties of Indian government institutions, fundamental rights, directive principles, and the duties of citizens 2. Understand engineering ethics and their responsibilities; identify their individual roles and ethical responsibilities towards society. 3. Know about the cybercrimes and cyber laws for cyber safety measures.

BE (Civil Department)	WATER SUPPLY AND TREATMENT	E & S	<ol style="list-style-type: none"> 1. Analyze the variation of water demand and to estimate water requirement for a community. 2. Evaluate the sources and conveyance systems for raw and treated water. 3. Study drinking water quality standards and to illustrate qualitative analysis of water. 4. Design physical, chemical and biological treatment methods to ensure
	MUNICIPAL WASTE WATER TREATMENT	E & S	<ol style="list-style-type: none"> 1. Understand the varies water demands and population forecasting methods . 2. Understand and design different unit operations and unit process in involved in waste water treatment process 3. Understand the concept and design of various physicochemical treatment units 4. Understand the concept and design of various biological treatment units 5. Understand the concept of various advance waste water and low cost treatment processes for rural areas.
	SOLID WASTE MANAGEMENT	E & S	<ol style="list-style-type: none"> 1. Study the present methods of solid waste management system and to analyze their draw backs comparing with statutory rules. 2. Understand different elements of solid waste management from generation of solid waste to disposal. 3. Analyze different processing technologies and to study conversion of municipal solid waste to compost or biogas. 4. Evaluate landfill site and to study the sanitary landfill reactions.
	OCCUPATIONAL HEALTH AND SAFETY	E & S	<ol style="list-style-type: none"> 1. Gain an historical, economic, and organizational perspective of occupational safety and health; 2. Investigate current occupational safety and health problems and solutions. 3. Identify the forces that influence occupational safety and health. 4. Demonstrate the knowledge and skills needed to identify workplace problems and safe work practice

	AIR POLLUTION AND CONTROL	E & S	<ol style="list-style-type: none"> 1. Study the sources and effects of air pollution 2. Learn the meteorological factors influencing air pollution. 3. Analyze air pollutant dispersion models 4. Illustrate particular and gaseous pollution control methods.
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