

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

| S.NO | Name of the Programme & Department | No. of Courses | | |
|--------------|---|----------------|--------------------------------|--------------------------------------|
| | | Gender | Environment and Sustainability | Human Values and Professional ethics |
| 1 | B.E Aeronautical Engineering | | 2 | 11 |
| 2 | B.E Agricultural Engineering | | 5 | 7 |
| 3 | B.E Civil Engineering | | 37 | 4 |
| 4 | B.E Computer Science Engineering | | 2 | 2 |
| 5 | B.E Electronics and Communication Engineering | | 2 | 3 |
| 6 | B.E Electrical and Electronics Engineering | | 2 | 4 |
| 7 | B.E Mechanical Engineering | | 2 | 2 |
| 8 | B.E Mechatronics engineering | | 4 | 2 |
| 9 | B.E BioMedical Engineering | | 1 | 3 |
| 10 | B.E Medical Electronics Engineering | | 1 | 3 |
| 11 | B.Tech Chemical Engineering | | 5 | 1 |
| 12 | B.Tech Information Technology | | 2 | 2 |
| 13 | B.Tech Food Technology | | 3 | 1 |
| 14 | B.Tech Pharmaceutical Technology | | 4 | 1 |
| 15 | M.E Communication Systems | | 0 | 1 |
| 16 | M.E Power Electronics and Drives | | 0 | 4 |
| 17 | M.E Power Systems Engineering | | 1 | 4 |
| 18 | M.E Structural Engineering | | 10 | 2 |
| 19 | Master of Business Administration | | 5 | 3 |
| 20 | Master of Computer Applications | | 4 | 2 |
| 21 | Science and Humanities | 5 | | 5 |
| TOTAL | | 5 | 92 | 67 |

| Dept | Course name | Course code | Description | Gender, Environment and Sustainability, Human Values and Professional Ethics |
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| AERO | Comprehension and Technical Seminar | AE15707 | This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |
| | Environmental Science and Engineering | CH15403 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Professional Ethics and Human Values | BA15151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Aviation Maintenance and Management | AE15651 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Entrepreneurship Development | BA15451 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |

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| AERO | Crisis Management in Aircraft Industry | AE15652 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Principles of Management | BA16E05 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Total Quality Management | BA16253 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Professional Ethics and Human Values | BA16151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Entrepreneurship Development | BA16451 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |

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| AERO | Engineering Economics | BA16352 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Wind Power Engineering | AE16902 | Explain the concepts of different types of energy resources, This course also explains the social issues energy utilization with regard to the environment. | Environment and Sustainability |
| | Aircraft Safety | AE16903 | This course includes the safety of aircraft related ato human factors and various human errors costing life of human being.and also focus on how to save human life during emergency situations | Human Values and Professional Ethics |
| AGRICULTURE | Soil and Water Conservation Engineering | AI15402 | Explain the water harvesting principles and techniques and implement water harvesting principles and techniques, understand the factors affecting sediment distribution pattern, know the construction and protection of dams,enable the students to make use of the principles and concepts to solve issues related to soil and water | Human Values and Professional Ethics |
| | Hydrology & Water Resources Engineering | AI15403 | understand the key drivers on water resources, hydrological processes and their integrated behaviour in catchments, construct and apply a range of hydrological models to surface water and groundwater problems including Hydrograph, Flood/Drought management, artificial recharge and design water storage | Environment and Sustainability |

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| AGRICULTURE | Business English Course Laboratory | EN15301 | Enrich the vocabulary through reading and to develop their pronunciation skills, speak effectively in English in all occasions, prepare flawless reports and proposals, develop the reading skills of the students and make them familiarize in skimming and scanning. To instill the communication concepts to enhance the | Human Values and Professional Ethics |
| | Environmental Science and Engineering | AI15504 | learn about pollution of natural resources by socio economic activities of human, acquire scientific knowledge on environment and its impact on eco systems, learn about pollution of natural resources by socio economic activities of human, understand the natural resources and its exploitation. know the role of human population | Environment and Sustainability |
| | Career Development Laboratory - I | EN15501 | enhance verbal and written ability, • improve his/her grooming and presentation skills, • interact effectively on any recent event/happenings/ current affairs, be a knowledgeable person on the various evaluation processes leading to employment and face the same with Confidence | Human Values and Professional Ethics |
| | Professional Ethics in Agriculture Engineering | AI15153 | Explain an exposure on human values, instill moral and social responsibility of engineers, give awareness about safety, responsibilities and rights, • realize the need of safety, responsibilities and rights in the society, • apply ethics theories in the agriculture profession | Human Values and Professional Ethics |
| | Environmental Science and Engineering | AI16504 | learn about pollution of natural resources by socio economic activities of human, acquire scientific knowledge on environment and its impact on eco systems, learn about pollution of natural resources by socio economic activities of human, understand the natural resources and its exploitation. know the role of human population | Environment and Sustainability |

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| AGRICULTURE | IT in Agricultural Systems | AI16604 | possess sufficient knowledge of precision farming and application of remote sensing, GPS, GIS in crop simulation modeling, acquire acquaintance of precision farming and crop simulation modeling, expose agricultural system management for optimizing the use of resources. know the | Human Values and Professional Ethics |
| | Professional Ethics in Agriculture Engineering | AI16903 | Explain an exposure on human values, instill moral and social responsibility of engineers, give awareness about safety, responsibilities and rights, • realize the need of safety, responsibilities and rights in the society, • apply ethics theories in the agriculture profession | Human Values and Professional Ethics |
| | Solar and Wind Energy Engineering | AI15701 | Wind and Solar energy resources impact in electrical power generation, Generation method of electrical power. Waste management of the solar panels. | Environment and Sustainability |
| | Soil Science and Engineering | AI16405 | Explain the fundamental knowledge in engineering properties of different types of soil, gain ideas in fundamentals of soil physical parameters and classification of soils, study bearing capacity of different types of soil understand the soil compaction and engineering classification of soil | Environment and Sustainability |
| | Agricultural Economics and Extension | AI16702 | impart the fundamental knowledge of Economics, types of resources and Investment analysis, get an idea about management of resources and understand basics of agricultural economics to plan the financial aspects in a cost effective manner to know the different farm management techniques | Human Values and Professional Ethics |

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| CIVIL | English Communication Skills Laboratory | EN16202 | This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |
| | Professional Ethics and Human Values | BA16151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Construction Materials | CE16302 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Surveying II | CE16401 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Construction Techniques, Equipments and Practices | CE16403 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |

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| CIVIL | Design of Steel Structures | CE16601 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Environmental Science and Engineering | CH16403 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Design of Reinforced Concrete Elements | CE16501 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Highway Engineering | CE16502 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Water Supply Engineering | CE16504 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |

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| CIVIL | Soil Mechanics | CE16505 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Hydrology and Water Resources Engineering | CE16151 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Total Station and GPS Surveying | CE16152 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Construction Planning and Scheduling | CE16153 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Air pollution and Control Engineering | CE16154 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |

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| CIVIL | Coastal Engineering | CE16155 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Design of Reinforced Concrete and Brick Masonry Structures | CE16603 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Waste Water Engineering | CE16604 | Explain the concepts of different types of waste water sources, waste water quality parameters and factors governing selection of a good water source and conventional waste water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Foundation Engineering | CE16605 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Building Services | CE16901 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |

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| CIVIL | Contract Laws and Regulations | CE16902 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Architecture | CE16903 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Smart Structures and Smart Materials | CE16904 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Remote Sensing Techniques and GIS | CE16905 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Computer Aided Design and Drafting Laboratory | CE16606 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |

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| CIVIL | Environmental Engineering Laboratory | CE16607 | This apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. | Human Values and Professional Ethics |
| | Estimation, Costing and Valuation Engineering | CE16701 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Structural Dynamics and Earthquake Engineering | CE16702 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Irrigation Engineering | CE16703 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Prestressed Concrete Structures | CE16704 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |

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| CIVIL | Industrial Waste Water Engineering | CE16251 | Explain the concepts of different types of industrial waste water sources, waste water quality parameters and factors governing selection of a good water source and conventional waste water treatment for industries. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Traffic Engineering and Management | CE16252 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Municipal Solid Waste Management | CE16253 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Railways, Airports and Harbour Engineering | CE16254 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Disaster Management | CE16907 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |

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| CIVIL | Environmental Impact Assessment | CE16910 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Environmental and Irrigation Engineering Drawing | CE16705 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Principles of Management | BA16254 | This apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. | Human Values and Professional Ethics |
| | Maintenance, Repair and Rehabilitation of Structures | CE16353 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Advanced Surveying using Total Station | CE16952 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |

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| CIVIL | Building Valuation | CE16953 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| CSE | Environmental Science and Engineering | CH15301 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Professional Ethics and Human Values | BA15151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Environmental Science and Engineering | CH16301 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Professional Ethics and Human Values | BA16151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |

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| B.E(ECE) | Environmental Science and Engineering | CH15501 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Professional Ethics and Human Values | BA15151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Environmental Science and Engineering | CH16501 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Professional Ethics and Human Values | BA16151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Total Quality Management | BA16253 | students to to know about the basic concepts in Quality Management, Customer orientation and retention, facilitate the understanding of Quality Management principles and process, to know the techniques in Six Sigma, Bench marking and FMEA. become familiar with Quality System, Quality Auditing in manufacturing | Human Values and Professional Ethics |

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| EEE | Professional Ethics and Human Values | BA15151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Electrical Safety | EE16152 | Electrical safety is a system of organizational measures and technical means to prevent harmful and dangerous effects on workers from electric current, electric arc, electromagnetic field and static electricity. | Human Values and Professional Ethics |
| | Wind and Solar Energy Systems | EE16904 | Wind and Solar energy resources impact in electrical power generation, Generation method of electrical power. Waste management of the solar panels. | Environment and Sustainability |
| | Professional Ethics and Human Values | BA16151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Electrical Safety | EE16152 | Electrical safety is a system of organizational measures and technical means to prevent harmful and dangerous effects on workers from electric current, electric arc, electromagnetic field and static electricity. | Human Values and Professional Ethics |

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| EEE | Wind and Solar Energy Systems | EE16904 | Wind and Solar energy resources impact in electrical power generation, Generation method of electrical power. Waste management of the solar panels. | Environment and Sustainability |
| Mechanical | Professional Ethics In Engineering | GE 2025 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Environmental Science and Engineering | CH15403 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Renewable Sources of Energy | ME6003 | Expalin the concepts of various forms of energy producing in nature sources like sunlight, water and air. By this sources of energy producing techniques not affect the environment system. Students may aware that they may changed their life style by utilized the sourcces. | Environment and Sustainability |
| | Unconventional Machining Processes | ME6004 | The alternative way of making products or machining is Unconventional machining processes instead conventional machining process. This process is safety as well as faster machining process and environmental friendly operation. | Environment and Sustainability and Human values |

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| MECHATRONICS | Environmental Science and Engineering | CH15501 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Professional Ethics and Human Values | BA15151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Renewable Energy Sources | MT15553 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Environmental Science and Engineering | CH16501 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Professional Ethics and Human Values | BA16151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |

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| MECHATRONICS | Renewable Energy Sources | MT16453 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| BIOMEDICAL | Environmental Science and Engineering | CH16401 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Professional Ethics and Human Values | BA16151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Health care and hospital management | BM16801 | Its very much helpful for the students to know about the Hospital management in a computer system that helps manage the information related to health care and aids in the job completion of health care providers effectively. They manage the data related to all departments of healthcare such as Clinical, Financial, Laboratory etc. | Human Values |
| | Industrial Medical system | BM16955 | It's an aggregation and integration of sectors within the economic system that provides goods and services to treat patients with curative, preventive, rehabilitative, and palliative care. It includes the generation and commercialization of goods and services lending themselves to maintaining and re-establishing health | Human Values |

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| MEDICAL ELECTRONICS | Environmental Science and Engineering | CH16401 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Professional Ethics and Human Values | BA16151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Health care and hospital management | MD16701 | Its very much helpful for the students to know about the Hospital management in a computer system that helps manage the information related to health care and aids in the job completion of health care providers effectively. They manage the data related to all departments of healthcare such as Clinical, Financial, Laboratory etc. | Human Values |
| | Hospital Internship Training | MD16955 | Students need to understand the design of equipment and its devices, such as artificial internal organs, replacements for body parts, and machines for diagnosing medical problems. Install, maintain, or provide technical support for biomedical equipment. | Human Values |
| CHEMICAL | Environmental Science and Engineering | CH15301 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |

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| CHEMICAL | Industrial Wastewater Treatment | CM15611 | The concepts of different types of sources of waste water, quality parameters and factors concerned with waste water characterization, physical, chemical and biological methods of waste water treatment , Reactors used in treatment of waste water are discussed. | Environment and Sustainability |
| | Environmental Science and Engineering | CH16301 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Air Pollution and Control | CM15551 | Explain the concepts of air pollution, sources and different types of equipments used to control air pollution This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Industrial Wastewater Treatment | CM16902 | The concepts of different types of sources of waste water, quality parameters and factors concerned with waste water characterization, physical, chemical and biological methods of waste water treatment , Reactors used in treatment of waste water are discussed. | Environment and Sustainability |
| | Process Economics and Management | CM16703 | Helps the students to know the concept of economics and techniques / tools used in management. Students will develop managerial skills and human values. | Human Values and Professional Ethics |

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| IT | Environmental Science and Engineering | CH15501 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Professional Ethics and Human Values | BA15151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| | Environmental Science and Engineering | CH16301 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Professional Ethics and Human Values | BA16151 | Help the students appreciate the essential complementarities between values and skills to ensure sustained happiness which are the core appreciations of all human beings. It create an awareness on Engineering Ethics and Human Values | Human Values and Professional Ethics |
| FOOD TECHNOLOGY | Environmental Science and Engineering | CH16301 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |

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| FOOD TECHNOLOGY | Fluid Flow Process | CM16305 | Students will learn the different types mode of fluid transfer and its importance. Students will learn to proper techniques of utilization of fluid flow dynamics effect with minimum impact. | Environment and Sustainability |
| | Chemical Engineering Thermodynamics | CM16405 | Students will learn the different types mode of heat transfer and its importance. Students will learn to proper techniques of utilization of thermal effects with minimum impact on environment. | Environment and Sustainability |
| | Process Economics and Management | FT16605 | Makes the students to understand the concepts of production and operations management in an industries and expose to analytical methods. | Sustainability |
| Pharmaceutical Technology | Fluid Flow Process | CM16305 | Students will learn the different types mode of fluid transfer and its importance. Students will learn to proper techniques of utilization of fluid flow dynamics effect with minimum impact. | Environment and Sustainability |
| | Process Heat and mass Transfer | CM16406 | Students will learn the different types mode of heat transfer and its importance. Students will learn to proper techniques of utilization of thermal effects with minimum impact on environment. | Environment and Sustainability |

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| Pharmaceutical Technology | Environmental Science and Engineering | CH16403 | Explain the concepts of different types of water sources, water quality parameters and factors governing selection of a good water source and conventional water treatment. This course also explains the social issues with regard to the environment. | Environment and Sustainability |
| | Chemical reaction Thermodynamics | PT16505 | Students will learn the different types mode of heat transfer and its importance. Students will learn to proper techniques of utilization of thermal effects with minimum impact on environment. | Environment and Sustainability |
| | Disaster Management | BA16154 | students will learn to slove the emergency situations. Students will explore the different methods in facing emergency situtions and prepare plans accordingly. | Environment and Sustainability |
| M.E (Communication Systems) | Research Methodology and IPR | PEN19101 | Identifying the Research problems and collect the suitable data for Research. Write research proposals and Reports and apply their research work for patent through IPR. | Human Values and Professional Ethics |
| ME(PED) | Technical Seminar I | PPE15106 | This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |

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| ME(PED) | Technical Seminar II | PPE15206 | This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |
| | Technical Seminar I | PPE16106 | This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |
| | Technical Seminar II | PPE 16206 | This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |
| ME(PSE) | Technical Seminar I | PPS15106 | This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |
| | Technical Seminar I | PPS16106 | This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |

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| ME(PSE) | Technical Seminar II | PPS1206 | This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |
| | Technical Seminar II | PPS16206 | This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |
| | Wind and Solar Systems | PPS19154 | Wind and Solar energy resources impact in electrical power generation, Generation method of electrical power. Waste management of the solar panels. | Environment and Sustainability |
| M.E - STRUCTURAL ENGINEERING | Research Methodology and IPR | PEN19101 | This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |
| | Theory of Structural Stability | PSE19153 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |

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| M.E - STRUCTURAL ENGINEERING | Earthquake Resistant Design | PSE19254 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | English for Research Paper Writing (Audit Course I) | PEN19171 | This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |
| | Energy Efficient Structures | PSE16351 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Structures in Disaster Prone Areas | PSE16352 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Design of Sub Structures | PSE16451 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Structural Design Laboratory | PSE19203 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |

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| M.E - STRUCTURAL ENGINEERING | Wind and Cyclone Effects on Structures | PSE19554 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Advanced Steel Design | PSE19351 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Design of Formwork | PSE19352 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Design of Bridges | PSE16454 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | Environment and Sustainability |
| | Business Ethics and Corporate Governance | BA 15G01 | This course speaks about the ethics in business and corporate governance. | Human Values and Professional Ethics |
| | Organizational Behavior | BA 15104 | This course speaks about the human values in the work life. | Human Values and Professional Ethics |

MBA

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| Indian Ethos in Modern Management | BA 16G01 | This course speaks about the modern management in environment and sustainability | Environment and Sustainability |
| Organization Behavior | BA16104 | This course speaks about the human values in the work life. | Human Values and Professional Ethics |
| Rural Marketing | BA16M06 | This course speaks about the rural marketing | Environment and Sustainability |
| Business Ethics | BA19101 | This course speaks about the ethics in business management | Human Values and Professional Ethics |
| Indian Ethos in Modern Management | BA19G01 | This course speaks about the modern management in environment and sustainability | Environment and Sustainability |

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| | Organization Behavior | BA19103 | This course speaks about the human values in the work life. | Human Values and Professional Ethics |
| MCA | Technical Seminar and Report Writing | CA15407 | This includes topics such as reading / writing / listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |
| | M-Commerce | CAE15508 | This includes topics such as accounting concepts, ratio analysis, funds flow and budget and budgetary control concept | Environment and Sustainability |
| | Technical Seminar and Report Writing | CA16407 | This includes topics such as reading / writing / listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. It is used to express that knowledge in a clear, concise, and coherent manner. | Human Values and Professional Ethics |
| | Financial Accounting | CA16151 | This includes topics such as accounting concepts, ratio analysis, funds flow and budget and budgetary control concept | Environment and Sustainability |
| | Human Resource Management Systems | CA16355 | This includes topics such as importance of human resources, human resource planning process, employee socialization and training | Environment and Sustainability |
| | Financial Accounting | CA19103 | This includes topics such as accounting concepts, ratio analysis, funds flow and budget and budgetary control concept | Environment and Sustainability |

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| DEPARTMENT OF SCIENCE AND HUMANITIES | GENDER SENSITIZATION | 15GEVC101 | Gender sensitization applies the awareness informed propensity to behave in a manner which is sensitive to gender justice and gender equality issues. | Gender |
| DEPARTMENT OF SCIENCE AND HUMANITIES | INTRODUCTION TO INDIAN CONSTITUTION | 15GEVC201 | Provides an overview of the history of the making of Indian Constitution. It then discusses the preamble and the basic structures of the Constitution. | Human Values and Professional Ethics |
| | INTRODUCTION OF GENDER STUDIES | 16GEVC101 | This apply an integrated and interdisciplinary approach to understand the social and cultural constructions of gender that shapes the experiences of women and men in society. To generate the awareness in regard to equality in law, social system and democratic activities. | Gender |
| | CONSTITUTION OF INDIA | 16GEVC201 | Understand the important aspects by knowing the philosophy behind the origin , development, scope and functioning of the Indian Constitution | Human Values and Professional Ethics |
| | GENDER EQUALITY AND LAW | 17GEVC101 | This apply an integrated and interdisciplinary approach to understand the social and cultural constructions of gender that shapes the experiences of women and men in society. To generate the awareness in regard to equality in law, social system and democratic activities. | Gender |
| | INDIAN CONSTITUTION AND ELECTION COMMISSION | 17GEVC201 | Understand the history of indian constitution , role and powers of the Election commission , the process to achieve democracy. | Human Values and Professional Ethics |
| | GENDER EQUALITY AND HUMAN RIGHTS | 18GEVC101 | This apply the awareness informed propensity to behave in a manner which is sensitive to gender justice and gender equality issues. | Gender |

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| DEPARTMENT OF SCIENCE AND HUMANITIES | INDIAN CONSTITUTION AND ADMINISTRATION | 18GEVC201 | This provides a proper insight into the body of administration of India and examines the practical and legal foundation of the modern administrative state. | Human Values and Professional Ethics |
| | INTRODUCTION OF GENDER STUDIES | 19GEVC101 | This apply an introduction to the study of women as a diverse social group with a history, culture, and experience of their own, and to the study of gender as a category of social, cultural, and economic organization | Gender |
| | INDIAN CONSTITUTION AND HUMAN RIGHTS | 19GEVC201 | This Covers constitutional provisions dealing with human rights and special legislations dealing with protection of vulnerable and marginalized groups. | Human Values and Professional Ethics |