



## **E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)**

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

(Accredited by NAAC with 'A' Grade and NBA)

Email: [principal@egspec.org](mailto:principal@egspec.org) website: [www.egspec.org](http://www.egspec.org) Ph: 04365-251112

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# **List of Courses Offered on Cross Cutting issues**



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## List of Courses addressing Professional Ethics, Gender, Human Values, Environment and Sustainability

Professional Ethics			
Sl. No.	Course Code	Course Name	Remarks
<b>2021-22</b>			
1.	1701MGX01	Professional Ethics	Ethical Theories, Business Ethics ,Environmental Ethics ,Computer Ethics
2.	1901MGX01	Total Quality Management	Motivation, Empowerment, Team and Teamwork,
3.	1901MGX02	Project Management and Finance	Team working Project Management: Formation of Effective terms.
4.	1901MGX04	Principles of Management	HR Planning, Recruitment, selection, Training and Development
5.	1701MGX01	Professional Ethics	Human Values
6.	1703CS030	Cyber Forensics	Validating Forensics Data, Firewall designs
7.	1901MGX07	Universal Human Values and Ethics	Natural acceptance of human values, Definitiveness of Ethical Human Conduct, Ability to identify the scope and characteristics of people-friendly
8.	1903BM006	Bio Analytical Methods and Instruments	Gas analyzers – Oxygen, NO2 and H2S, Air pollution due to carbon monoxide, hydrocarbons, nitrogen oxides
9.	2002CA205	Professional Practice and Ethics	Responsibility Principle
10.	1703CA019	Information Management System	decision making in various levels of the organization, Role of information in Business scenario, shareholders and customers
11.	1703CA030	Professional Practice and Ethics	Responsibility Principle
12.	1901MGX07	Universal Human Values and Ethics	Human values and importance of human factor
13.	1901HS002	Intellectual Property Rights for engineers	Copyrights, trademarks and patents
14.	1903CE032	Global Warming and Climate Change	Temperature variation, Global Warming and Climate Change
15.	1901MGX01	Total Quality Management	Organizational behavior, interpersonal relations, work stressors
16.	1901HS006	Design Thinking for Innovation	Design Thinking approach, design challenge projects
17.	1901MGX07	Universal Human Values and Ethics	Human values and importance of human factor



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18.	1902CE019	Coastal Zone Management	Coastal process, wave dynamics and wave forecasting's
19.	1902CE401	Building Materials and Management	Material requirements, characteristics and utilization
20.	1901MGX01	Total Quality Management	Organizational behavior, interpersonal relations, work stressors
21.	1901HS006	Design Thinking for Innovation	Design Thinking approach, design challenge projects
22.	1901MGX07	Universal Human Values and Ethics	Human values and importance of human factor
23.	1902CE019	Coastal Zone Management	Coastal process, wave dynamics and wave forecasting's
24.	1902CE401	Building Materials and Management	Material requirements, characteristics and utilization
25.	1903CE033	Water Pollution and Management	Water resources and pollution, analysis and its effects
26.	1902CE505	Environmental Engineering	Water and waste water experiments, effects and treatment methods
27.	1902CE603	Hydrology And Water Resources Engineering	Runoff, precipitation, flood and drought
28.	2102EV202	Industrial Waste Management	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution
29.	2103EV007	Solid and Hazardous Waste Management	Solid and Hazardous Waste collection, segregation and disposal methods and Management.
30.	2101AU002	Disaster Management	Applications in Environmental Management through Remote Sensing and GIS.
31.	2102EV202	Industrial Waste Management	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution
32.	2103EV007	Solid and Hazardous Waste Management	Solid and Hazardous Waste collection, segregation and disposal methods and Management.
33.	2101AU002	Disaster Management	Applications in Environmental Management through Remote Sensing and GIS.
34.	2103EV013	Resource and Energy Recovery from Waste	Rules and regulations, payers' principles for all types of pollutions
35.	2103EV010	Environmental Impact Assessment	Water, air and solid waste generation with respect to human values.
36.	2103EV020	Environmental Policy and Legislation	Rules and regulations, payers' principles for all types of pollutions
37.	2101RMX01	Research Methodology and IPR	Human resources involved in research activities in pollution control.
38.	2102EV102	Environmental Microbiology	Eco system, biodiversity, pollution and its prevention



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39.	2102EV103	Principles and Design of Physio-Chemical Treatment Systems	Microorganisms and its effects
40.	2102EV104	Environmental Chemistry	Sources, identification, aquifers, conveying and treatment process
41.	2102EV201	Principles and Design of Biological Treatment Systems	Analysis and characterization of waste water and treatment facilities.
42.	2102EV105	Environmental Chemistry Laboratory	Water and waste water testing
43.	2103EV001	Transport of Water and Waste Water	Analysis and characterization of waste water and treatment facilities.
44.	2103EV004	Air Pollution Monitoring and Control	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution
45.	2102EV203	Module Operations and Processes Laboratory	Analysis and characterization of waste water and treatment facilities in laboratory.
46.	1703MG002	Total Quality Management	Motivation, Empowerment, Team and Teamwork,
47.	1703EE002	Electrical Safety and Management	Safety aspects during commissioning, action taken after electrical shock; artificial respiration and methods
48.	1701MGX01	Professional Ethics	Ethical Theories, Business Ethics ,Environmental Ethics ,Computer Ethics
49.	1701MGX01	Professional Ethics	Human Values
50.	1703CS030	Cyber Forensics	Validating Forensics Data, Firewall designs
51.	1901MCX02	Constitution of India	constitution reflects ideals of its freedom movement,
52.	1902BM502	MEDICAL OPTICS	vitro clinical diagnostic, photodynamic therapy.
53.	2002CA205	Professional Practice and Ethics	Responsibility Principle
54.	1703CA019	Information ManagementSystem	Decision making in various levels of the organization, Role of informationin Business scenario, shareholders and customers
55.	1703CA030	Professional Practice and Ethics	Responsibility Principle
56.	MG6851	Principles of Management	Scientific, human relations, types and theories of leadership
57.	GE6075	Professional Ethics in Engineering	Uses of Ethical Theories, Environmental Ethics ,Computer Ethics
58.	GE6757	Total Quality Management	Employee involvement, Supplier partnership, TQM Implementation in manufacturing and service sectors



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59.	1703MG002	Total Quality Management	Motivation, Empowerment, Team and Teamwork,
60.	1703EE002	Electrical Safety and Management	Safety aspects during commissioning, action taken after electrical shock; artificial respiration and methods
61.	CS6004	Cyber Forensics	Roles of firewall, Firewall designs, Identify theft and identity fraud, Processing crime and incident scenes, cell phone and mobile device forensics
62.	GE6075	Professional Ethics in Engineering	Human Values
63.	2002CA205	Professional Practice and Ethics	Responsibility Principle
64.	1703CA019	Information Management System	decision making in various levels of the organization, Role of information in Business scenario, shareholders and customers
65.	1703CA030	Professional Practice and Ethics	Responsibility Principle
<b>2020-2021</b>			
1.	1901MGX07	Universal Human Values and Ethics	Human values and importance of human factor
2.	1901HS002	Intellectual Property Rights for engineers	Copyrights, trademarks and patents
3.	1903CE032	Global Warming and Climate Change	Temperature variation, Global Warming and Climate Change
4.	1901MGX01	Total Quality Management	Organizational behavior, interpersonal relations, work stressors
5.	1901HS006	Design Thinking for Innovation	Design Thinking approach, design challenge projects
6.	1901MGX07	Universal Human Values and Ethics	Human values and importance of human factor
7.	1903CE019	Coastal Zone Management	Coastal process, wave dynamics and wave forecasting's
8.	1902CE401	Building Materials and Management	Material requirements, characteristics and utilization
9.	1903CE033	Water Pollution and Management	Water resources and pollution, analysis and its effects
10.	1902CE505	Environmental Engineering	Water and waste water experiments, effects and treatment methods
11.	1902CE603	Hydrology And Water Resources Engineering	Runoff, precipitation, flood and drought
12.	17EV001	Air Pollution Meteorology and Modeling	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution



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13.	17EV203	Industrial Waste Management	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution
14.	17EV204	Solid and Hazardous Waste Management	Solid and Hazardous Waste collection, segregation and disposal methods and Management.
15.	17EV009	Remote Sensing and GIS Applications in Environmental Management	Applications in Environmental Management through Remote Sensing and GIS.
16.	17EV005	Environmental Policies and Legislation	Rules and regulations, payers' principles for all types of pollutions
17.	17EV205	Environmental Impact Assessment	Water, air and solid waste generation with respect to human values.
18.	17EV102	Environmental Chemistry	Eco system, biodiversity, pollution and its prevention
19.	17EV103	Environmental Microbiology	Microorganisms and its effects
20.	17EV104	Transport of Water and Waste Water	Sources, identification, aquifers, conveying and treatment process
21.	17EV105	Principles and Design of Physio-Chemical Treatment Systems	Analysis and characterization of waste water and treatment facilities.
22.	17EV102	Environmental Chemistry lab	Water and waste water testing
23.	17EV201	Principles and Design of Biological Treatment Systems	Analysis and characterization of waste water and treatment facilities.
24.	17EV202	Air Pollution Monitoring and Control	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution
25.	17EV008	Membrane Technologies for Water and Waste Water Treatment	Analysis and characterization of waste water and treatment facilities.
26.	17EV206	Unit Operations and Processes Laboratory	Analysis and characterization of waste water and treatment facilities in laboratory.
27.	17EV107	Environmental Microbiology Laboratory	Microorganisms and its effects testing process
28.	1701MGX01	Professional Ethics	Engineering Ethics And Professionalism
<b>2019-2020</b>			
1.	1901MGX07	Universal Human Values and Ethics	Human values and importance of human factor
2.	Course Code	Course Name	Cross cutting issues relevant to Gender
3.	1901HS002	Intellectual Property Rights for engineers	Copyrights, trademarks and patents
4.	1903CE032	Global Warming and Climate Change	Temperature variation, Global Warming and Climate Change





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5.	1901MGX01	Total Quality Management	Organizational behavior, interpersonal relations, work stressors
6.	1901HS006	Design Thinking for Innovation	Design Thinking approach, design challenge projects
7.	1901MGX07	Universal Human Values and Ethics	Human values and importance of human factor
8.	1903CE019	Coastal Zone Management	Coastal process, wave dynamics and wave forecasting's
9.	1902CE401	Building Materials and Management	Material requirements, characteristics and utilization
10.	1903CE033	Water Pollution and Management	Water resources and pollution, analysis and its effects
11.	1902CE505	Environmental Engineering	Water and waste water experiments, effects and treatment methods
12.	1902CE603	Hydrology And Water Resources Engineering	Runoff, precipitation, flood and drought
13.	17EV001	Air Pollution Meteorology and Modeling	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution
14.	17EV203	Industrial Waste Management	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution
15.	17EV204	Solid and Hazardous Waste Management	Solid and Hazardous Waste collection, segregation and disposal methods and Management.
16.	17EV009	Remote Sensing and GIS Applications in Environmental Management	Applications in Environmental Management through Remote Sensing and GIS.
17.	17EV005	Environmental Policies and Legislation	Rules and regulations, payers' principles for all types of pollutions
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26.	17EV008	Membrane Technologies for Water and Waste Water Treatment	Analysis and characterization of waste water and treatment facilities.
27.	17EV206	Unit Operations and Processes Laboratory	Analysis and characterization of waste water and treatment facilities in laboratory.
28.	17EV107	Environmental Microbiology Laboratory	Microorganisms and its effects testing process
29.	1701MGX01	Professional Ethics	Engineering Ethics And Professionalism
<b>2018-19</b>			
1.	MG6851	Principles of Management	Scientific, human relations, types and theories of leadership
2.	GE6075	Professional Ethics in Engineering	Uses of Ethical Theories, Environmental Ethics ,Computer Ethics
3.	GE6757	Total Quality Management	Employee involvement, Supplier partnership, TQM Implementation in manufacturing and service sectors
4.	CS6004	Cyber Forensics	Roles of firewall, Firewall designs, Identify theft and identity fraud, Processing crime and incident scenes, cell phone and mobile device forensics
5.	GE6075	Professional Ethics in Engineering	Human Values
6.	2002CA205	Professional Practice and Ethics	Responsibility Principle
7.	1703CA019	Information Management System	decision making in various levels of the organization, Role of information in Business scenario, shareholders and customers
8.	1703CA030	Professional Practice and Ethics	Responsibility Principle
9.	1701MGX01	Professional Ethics	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking
10.	1702CE305	Building Materials & Resource Planning	Human resource inventory, human resource planning
11.	1701CH201	Environmental Studies	Eco system, biodiversity, pollution and its prevention
12.	1702CE652	Environmental And Irrigation Design and Drawing	Environmental structures, water treatment process
13.	1702CE702	Waste Water Engineering	Analysis and characterization of waste water and treatment facilities.
14.	1703CE009	Ground Water Engineering	Sources, identification, aquifers
15.	1703CE006	Solid Waste Management	Collection, segregation, transportation and disposable methods
16.	17EV001	Air Pollution Meteorology and Modeling	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution





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17.	17EV203	Industrial Waste Management	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution
18.	17EV204	Solid and Hazardous Waste Management	Solid and Hazardous Waste collection, segregation and disposal methods and Management.
19.	17EV009	Remote Sensing and GIS Applications in Environmental Management	Applications in Environmental Management through Remote Sensing and GIS.
20.	17EV005	Environmental Policies and Legislation	Rules and regulations, payers' principles for all types of pollutions
21.	17EV205	Environmental Impact Assessment	Water, air and solid waste generation with respect to human values.
22.	17EV102	Environmental Chemistry	Eco system, biodiversity, pollution and its prevention
23.	17EV103	Environmental Microbiology	Microorganisms and its effects
24.	17EV104	Transport of Water and Waste Water	Sources, identification, aquifers, conveying and treatment process
25.	17EV105	Principles and Design of Physio-Chemical Treatment Systems	Analysis and characterization of waste water and treatment facilities.
26.	17EV102	Environmental Chemistry lab	Water and waste water testing
27.	17EV201	Principles and Design of Biological Treatment Systems	Analysis and characterization of waste water and treatment facilities.
28.	17EV202	Air Pollution Monitoring and Control	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution
29.	17EV008	Membrane Technologies for Water and Waste Water Treatment	Analysis and characterization of waste water and treatment facilities.
30.	17EV206	Unit Operations and Processes Laboratory	Analysis and characterization of waste water and treatment facilities in laboratory.
31.	17EV107	Environmental Microbiology Laboratory	Microorganisms and its effects testing process
32.	GE6075	Professional Ethics In Engineering	ENGINEERING ETHICS
<b>2017-18</b>			
1.	MG6851	Principles of Management	Scientific, human relations, types and theories of leadership
2.	GE6075	Professional Ethics in Engineering	Uses of Ethical Theories, Environmental Ethics ,Computer Ethics
3.	GE6757	Total Quality Management	Employee involvement, Supplier partnership, TQM Implementation in manufacturing and service sectors



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4.	CS6004	Cyber Forensics	Roles of firewall, Firewall designs, Identify theft and identity fraud, Processing crime and incident scenes, cell phone and mobile device forensics
5.	GE6075	Professional Ethics in Engineering	Human Values
6.	1701MGX01	Professional Ethics	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking
7.	1702CE305	Building Materials & Resource Planning	Human resource inventory, human resource planning
8.	1701CH201	Environmental Studies	Eco system, biodiversity, pollution and its prevention
9.	1702CE652	Environmental And Irrigation Design and Drawing	Environmental structures, water treatment process
10.	1702CE702	Waste Water Engineering	Analysis and characterization of waste water and treatment facilities.
11.	1703CE009	Ground Water Engineering	Sources, identification, aquifers
12.	1703CE006	Solid Waste Management	Collection, segregation, transportation and disposable methods
13.	17EV001	Air Pollution Meteorology and Modeling	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution
14.	17EV203	Industrial Waste Management	Identifying ethical issues, ethics and law, ethical theories, ethical passions and hacking of air pollution
15.	17EV204	Solid and Hazardous Waste Management	Solid and Hazardous Waste collection, segregation and disposal methods and Management.
16.	17EV009	Remote Sensing and GIS Applications in Environmental Management	Applications in Environmental Management through Remote Sensing and GIS.
17.	17EV005	Environmental Policies and Legislation	Rules and regulations, payers' principles for all types of pollutions
18.	17EV205	Environmental Impact Assessment	Water, air and solid waste generation with respect to human values.



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19.	GE6075	Professional Ethics In Engineering	ENGINEERING ETHICS
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Gender Equity			
Sl. No.	Course Code	Course Name	Remarks
<b>2021-22</b>			
1.	1901MCX02	Constitution of India	Fundamental Rights, Right of Women, Children and Scheduled Castes and Scheduled Tribes and other Weaker Sections
2.	1903BM006	Bio Analytical Methods and Instruments	Gas analyzers – Oxygen, NO <sub>2</sub> and H <sub>2</sub> S, Air pollution due to carbon monoxide, hydrocarbons, nitrogen oxides
3.	1903BM0007	Tele health Technology	Image Acquisition system Display system, Tele pathology
4.	1904GE651	LIFE SKILLS: APTITUDE - II	Problem on Ages, Defining the various relations among the members of a family
5.	1902BM702	REHABILITATION ENGINEERING	Concept of Rehabilitation: Types of Physical Impairments, Principles of Assistive Technology
<b>2020-21</b>			
1.	1901MCX02	Constitution of India	Fundamental Rights, Right of Women, Children and Scheduled Castes and Scheduled Tribes and other Weaker Sections
2.	1901MCX02	Constitution of India	constitution reflects ideals of its freedom movement,
3.	1902BM502	MEDICAL OPTICS	vitro clinical diagnostic, photodynamic therapy.
4.	1902BM404	Biomedical Instrumentation	Cardiac monitor-selection of system parameters, Bedside monitors, Central monitors, Heart rate meter, Pulse rate meter, sphygmomanometers- Holter monitor and Cardiac stress test, Cardiac cauterization instrumentation- Organization and equipment used in ICCU & ITU.
5.	1903BM002	Nanotechnology in Medicine	Principles and Physicochemical Aspects of Delivery Systems
<b>2019-20</b>			
1.	GE6083	Disaster Management	Differential impacts- in terms of caste, class, gender, age, location, disability
2.	GE6084	Human Rights	Natural, Moral and Legal Rights.
<b>2018-19</b>			
1.	GE6083	Disaster Management	Differential impacts- in terms of caste, class, gender, age, location, disability



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2.	GE6084	Human Rights	Natural, Moral and Legal Rights.
<b>2017-18</b>			
1.	GE6083	Disaster Management	Differential impacts- in terms of caste, class, gender, age, location, disability
2.	GE6084	Human Rights	Natural, Moral and Legal Rights.

<b>Human Values</b>			
Sl. No.	Course Code	Course Name	Remarks
<b>2021-22</b>			
1.	1901MCX03	Essence of Indian Traditional Knowledge	importance of culture in human literature, Religion and Philosophy in ancient India
2.	1901MCX03	Essence of Indian Traditional Knowledge	(i) Vedas, (ii) Uveda (Ayurveda, Dhanurveda, Gandhaveda, SthaityaAdad) (iii) Vedang (Shiksha, Kalla, Nanrut, Grammar, JyotishaChhanda),
3.	1901HS003	Start upEntrepreneurship	Problems – Identification, Selection & Validation
4.	1902BM751	Hospital Training	Advocate a patient-centred approach in healthcare,ICU/CCU
5.	2002CA303	Human Resource Management	Human resource management, Human factor, resource manager, resource policies
6.	1703CA014	Healthcare Information Systems	HospitalManagementandInformationSystem, HealthServices ,HealthInformatics, MedicalInformatics
7.	1703CA023	Bio Informatics	Molecularbiology, gene structure, ProkaryoticandEukaryotic Genomes
8.	1703CA026	Human Resources Management	Human resource management, Human factor, resource manager, resource policies
9.	1703CA027	Customer Relationship Management	Customer Relationship
<b>2020-21</b>			
1.	1703EE004	Bio-Medical Instrumentation	functional organization of the nervous system, cardiovascular systems, respiratory systems, kidney and blood flow
2.	1703EE002	Electrical Safety and Management	safety in use of domestic appliances, Safety aspects during commissioning
3.	1703MG003	Human Rights	Human Values
4.	1703IT023	Human Computer Interaction	Human Values
5.	1703IT028	Business Intelligence	Human Values



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6.	1901MGX04	Principles of Management	Human Values
7.	1901MGX05	Engineering Economics and Finance	Human Values
8.	1901MGX06	Human Resource Development in IT	Human Values
9.	1901HS001	Innovation and Entrepreneurship Fundamentals	Human Values
10.	1901HS002	Intellectual Property Rights for Engineers	Human Values
11.	1901HS003	Start up Entrepreneurship	Human Values
12.	1901HS004	Business Model Innovation	Human Values
13.	1901MGX07	Universal Human Values and Ethics	Human Values
14.	1901HS006	Design Thinking for Innovation	Human Values
15.	1901HS007	Indian Patent Law and Patent Drafting	Human Values
16.	1901HS008	IP Management and Commercialization	Human Values
17.	1901HS005	Social Entrepreneurship	Human Values
18.	2002CA303	Human Resource Management	Human resource management, Human factor, resource manager, resource policies
19.	1703CA014	Healthcare Information Systems	Hospital Management and Information System, Health Services, Health Informatics, Medical Informatics
20.	1703CA023	Bio Informatics	Molecular biology, gene structure, Prokaryotic and Eukaryotic Genomes
21.	1703CA026	Human Resources Management	Human resource management, Human factor, resource manager, resource policies
22.	1703CA027	Customer Relationship Management	Customer Relationship
23.	1701MGX01	Professional Ethics	Human Values
<b>2019-20</b>			
1.	EI6704	Biomedical Instrumentation	Basic mechanics of spinal column and limbs, Pacemakers, Defibrillators, Ventilators, Orthopedic prostheses fixation.
2.	GE6075	Professional Ethics in Engineering	Morals, values, Engineers as responsible Experimenters
3.	GE6084	Human Rights	Human Rights, Implementation of Human Rights
4.	1703EE004	Bio-Medical Instrumentation	functional organization of the nervous system, cardiovascular systems, respiratory systems, kidney and blood flow



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5.	1703EE002	Electrical Safety and Management	safety in use of domestic appliances, Safety aspects during commissioning
6.	EC6001	Medical Electronics	Basic mechanics of spinal column and limbs, Pacemakers, Defibrillators, Ventilators, Orthopedic prostheses fixation.
7.	GE6075	Professional Ethics in Engineering	Morals, values, Engineers as responsible Experimenters
8.	GE6084	Human Rights	Human Rights, Implementation of Human Rights
9.	1703EC004	Bio – Medical Engineering	functional organization of the nervous system, cardiovascular systems, respiratory systems, kidney and blood flow
10.	1703MG002	Principles of Management	
11.	2002CA303	Human Resource Management	Human resource management, Human factor, resource manager, resource policies
12.	1703CA014	Healthcare Information Systems	Hospital Management and Information System, Health Services, Health Informatics, Medical Informatics
13.	1703CA023	Bio Informatics	Molecular biology, gene structure, Prokaryotic and Eukaryotic Genomes
14.	1703CA026	Human Resources Management	Human resource management, Human factor, resource manager, resource policies
15.	1703CA027	Customer Relationship Management	Customer Relationship
16.	1701MGX01	Professional Ethics	Human Values
<b>2018-19</b>			
1.	EI6704	Biomedical Instrumentation	Basic mechanics of spinal column and limbs, Pacemakers, Defibrillators, Ventilators, Orthopedic prostheses fixation.
2.	GE6075	Professional Ethics in Engineering	Morals, values, Engineers as responsible Experimenters
3.	GE6084	Human Rights	Human Rights, Implementation of Human Rights
4.	EC6001	Medical Electronics	Basic mechanics of spinal column and limbs, Pacemakers, Defibrillators, Ventilators, Orthopedic prostheses fixation.
5.	GE6075	Professional Ethics in Engineering	Morals, values, Engineers as responsible Experimenters
6.	GE6084	Human Rights	Human Rights, Implementation of Human Rights
7.	2002CA303	Human Resource Management	Human resource management, Human factor, resource manager, resource policies
8.	1703CA014	Healthcare Information Systems	Hospital Management and Information System, Health Services, Health Informatics, Medical Informatics





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9.	1703CA023	Bio Informatics	Molecularbiology, gene structure, ProkaryoticandEukaryotic Genomes
10.	1703CA026	Human Resources Management	Human resource management, Human factor, resource manager, resource policies
11.	1703CA027	Customer Relationship Management	Customer Relationship
12.	GE6075	ProfessionalEthicsInEngineering	HumanValues
<b>2017-18</b>			
1.	EI6704	Biomedical Instrumentation	Basic mechanics of spinal column and limbs, Pacemakers, Defibrillators, Ventilators, Orthopedic prostheses fixation.
2.	GE6075	Professional Ethics in Engineering	Morals, values, Engineers as responsible Experimenters
3.	GE6084	Human Rights	Human Rights, Implementation of Human Rights
4.	EC6001	Medical Electronics	Basic mechanics of spinal column and limbs, Pacemakers, Defibrillators, Ventilators, Orthopedic prostheses fixation.
5.	GE6075	Professional Ethics in Engineering	Morals, values, Engineers as responsible Experimenters
6.	GE6084	Human Rights	Human Rights, Implementation of Human Rights
7.	2002CA205	Professional Practice and Ethics	Responsibility Principle
8.	MC7304	Professional Ethics	Computer ethics, Identifying an ethical issue, Ethics and law, computer crime
9.	MC7005	Security in computing	
10.	MC7007	Health Care Management	Health care data quality, Health care information regulations, laws and standards
11.	MC7009	Human Resource Management	Staffing, recruitment and selection
12.	MC7015	Software Project Management	Software project planning
13.	GE6075	ProfessionalEthicsInEngineering	HumanValues

<b>Environment and sustainability</b>			
Sl. No.	Course Code	Course Name	Remarks
<b>2021-22</b>			
1.	1702EE703	High Voltage Engineering	Causes of over voltages and its effects on power system, Lightning, switching surges and temporary overvoltage



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2.	1703EE018	Power Electronics for Renewable Energy systems	Hybrid Systems, Solar: Block diagram of solar photo voltaic system, wind energy conversion systems
3.	1703EE019	Electrical Energy Generation Utilization and conservation	Solar Radiation and Solar Energy Collectors, Wind Energy
4.	1901MCX01	Environmental Science	Air pollution, Soil pollution deforestation, case studies, Biogas production and uses
5.	1903EE003	Electric and Hybrid Vehicles	Environmental impact of electric and HEVs
6.	1903EE008	Power Plant Engineering	Typical layout, construction and working of wind, tidal, solar photo voltaic, solar thermal, geo thermal and biogas power plants
7.	1903EE014	Electrical Energy Generation, Utilization and Conservation	Tidal waves, Wind, Geothermal, Solar, Bio-mass, Municipal waste, Cogeneration
8.	1903EE026	Electronic Waste Management Issues and Challenges	Minimization of E-waste; Hazardous substances waste, ; E-waste health risk assessment; Case study.
9.	1903EE028	Energy Conservation and Energy Management	Environmental aspects associated with energy utilization, refrigeration and air conditioning Systems
10.	1901MCX01	Environmental Science	Environmental Pollution, Social Issues And The Environment
11.	1703EV017	Industrial Waste Management	Industrial Pollution Prevention & Waste Minimisation
12.	1703EC031	Satellite Communication	Satellite orbits, Space and earth segment, Satellite access, Satellite link design, Satellite applications.
13.	1703EC037	Electromagnetic Interference and Compatibility	Interference System Introduction, coupling mechanism, EMI mitigating techniques, Mobile standards and regulations, EMI test methods
14.	1901MCX01	Environmental Science	Air pollution, Soil pollution deforestation, case studies, Biogas production and uses
15.	1903EC005	Renewable Energy Engineering	Solar radiation and its measurements, biomass conversion technologies
16.	1902BM603	Biomaterials	Definition and classification of bio-materials, mechanical properties, visco elasticity, biomaterial performance, body response to implants, wound healing, blood compatibility, Nano scale phenomena.
17.	1902BM603	CLIMATE CHANGE AND ITS IMPACT	Atmosphere – weather and Climate, Components and phenomena in the climate system
18.	1901MCX01	Environmental Studies	NATURAL RESOURCES, ENVIRONMENTAL POLLUTION forest ecosystem , grassland ecosystem desert ecosystem ,aquatic ecosystems



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<b>2020-21</b>			
1.	1703EE009	Power System Transients	Review of the theories in the formation of clouds and charge formation
2.	1703EE010	Electric and Hybrid Vehicles	social, environmental importance and key challenges of hybrid and electric vehicles
3.	1703EE024	Renewable Energy Sources	Solar radiation and its measurements, biomass conversion technologies
4.	1702EE703	High Voltage Engineering	Causes of over voltages and its effects on power system, Lightning, switching surges and temporary overvoltage
5.	1703EE018	Power Electronics for Renewable Energy Systems	Hybrid Systems, Solar: Block diagram of solar photo voltaic system, wind energy conversion systems
6.	1703EE019	Electrical Energy Generation Utilization and Conservation	Solar Radiation and Solar Energy Collectors, Wind Energy
7.	1901MCX01	Environmental Science	Air pollution, Soil pollution deforestation, case studies, Biogas production and uses
8.	1901MCX01	Environmental Science	Environmental Pollution, Social Issues And The Environment
9.	1703EV017	Industrial Waste Management	Industrial Pollution Prevention & Waste Minimisation
10.	1703EC031	Satellite Communication	Satellite orbits, Space and earth segment, Satellite access, Satellite link design, Satellite applications.
11.	1703EC037	Electromagnetic Interference and Compatibility	Interference System Introduction, coupling mechanism, EMI mitigating techniques, Mobile standards and regulations, EMI test methods
12.	1703MG001	Total Quality Management	Requirements and Benefits
<b>2019-20</b>			
1.	EE6701	High Voltage Engineering	Causes of over voltages and its effects on power system, Lightning, switching surges and temporary overvoltage
2.	EE6801	Electric Energy Generation, Utilization and Conservation	Solar Radiation and Solar Energy Collectors, Wind Energy
3.	EE6005	Power Quality	Sources of over voltages, lightning
4.	EE6009	Power Electronics for Renewable Energy Systems	Need for Hybrid Systems- Range and type of Hybrid systems, Solar: Block diagram of solar photo voltaic system, Standalone operation of fixed and variable speed wind energy conversion systems
5.	1701CH201	Environmental Studies	Air pollution, Soil pollution deforestation, case studies, Biogas production and uses
6.	1702EE304	Power Plant Engineering	Typical layout and associated components including turbines; Principle; Construction



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			and working of wind, tidal, solar photo voltaic, solar thermal, geo thermal, biogas
7.	1703EE009	Power System Transients	Review of the theories in the formation of clouds and charge formation
8.	1703EE010	Electric and Hybrid Vehicles	social, environmental importance and key challenges of hybrid and electric vehicles
9.	1703EE024	Renewable Energy Sources	Solar radiation and its measurements, biomass conversion technologies
10.	1901MCX01	Environmental Science	Environmental Pollution, Social Issues And The Environment
11.	ME6602	Automobile Engineering	Emission norms (Euro and bs)
12.	ME6701	Power Plant Engineering	Pollution control technologies including Waste Disposal Options for Coal and Nuclear Power Plants.
13.	GE6351	Environmental Science and Engineering	Environment, Ecosystem, Pollution, Natural resources, Social issues, Human population
14.	EC6703	Embedded and Real Time Systems	Embedded computing, Operating Systems, System design techniques, case study
15.	1901MCX01	Environmental Science	Water Demand, Source of water, Surface of ground Water
16.	1901MGX01	Total Quality Management	Requirements and Benefits
<b>2018-19</b>			
1.	ME6701	Power Plant Engineering	Hydro Electric Power Plants – Classification, Typical Layout and associated components including Turbines. Principle, Construction and working of Wind, Tidal, Solar Photo Voltaic (SPV), Solar Thermal, Geo Thermal, Biogas and Fuel Cell power systems.
2.	EE6701	High Voltage Engineering	Causes of over voltages and its effects on power system, Lightning, switching surges and temporary overvoltage's
3.	EE6801	Electric Energy Generation, Utilization and Conservation	Solar Radiation and Solar Energy Collectors, Wind Energy
4.	EE6002	Power System Transients	mechanism of lightning discharges and characteristics of lightning strokes
5.	EE6005	Power Quality	Sources of over voltages, lightning
6.	EE6009	Power Electronics for Renewable Energy Systems	Need for Hybrid Systems- Range and type of Hybrid systems, Solar: Block diagram of solar photo voltaic system, Stand-alone operation of fixed and variable speed wind energy conversion systems
7.	1701CH201	Environmental Studies	Air pollution, Soil pollution deforestation, case studies, Biogas production and uses
8.	1702EE304	Power Plant Engineering	Typical layout and associated components



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			including turbines; Principle; Construction and working of wind, tidal, solar photo voltaic, solar thermal, geo thermal, biogas
9.	1701CH201	Environmental Studies	Environmental Pollution, Social Issues And The Environment
10.	ME6602	Automobile Engineering	Emission norms (Euro and bs)
11.	ME6701	Power Plant Engineering	Pollution control technologies including Waste Disposal Options for Coal and Nuclear Power Plants.
12.	ME6016	Advanced Ic Engine	Pollutant formation and control
13.	GE6757	Total Quality Management	ISO 14000 Concepts ,benefits and requirements
14.	1703EV017	Industrial Waste Management	Industrial Pollution Prevention & Waste Minimisation
15.	GE6351	Environmental Science and Engineering	Environment, Ecosystem, Pollution, Natural resources, Social issues, Human population
16.	EC6703	Embedded and Real Time Systems	Embedded computing, Operating Systems, System design techniques, case study
17.	EC6011	Electro Magnetic Interference and Compatibility	Interference System Introduction, coupling mechanism, EMI mitigating techniques, Mobile standards and regulations, EMI test methods
18.	1701CH201	Environmental Studies	Air pollution, Soil pollution deforestation, case studies, Biogas production and uses
<b>2017-18</b>			
1.	GE6351	Environmental Science and Engineering	Air pollution, Soil pollution deforestation, case studies, Biogas production and uses
2.	ME6701	Power Plant Engineering	Hydro Electric Power Plants – Classification, Typical Layout and associated components including Turbines. Principle, Construction and working of Wind, Tidal, Solar Photo Voltaic (SPV), Solar Thermal, Geo Thermal, Biogas and Fuel Cell power systems.
3.	EE6701	High Voltage Engineering	Causes of over voltages and its effects on power system, Lightning, switching surges and temporary overvoltages
4.	EE6801	Electric Energy Generation, Utilization and Conservation	Solar Radiation and Solar Energy Collectors, Wind Energy
5.	EE6002	Power System Transients	mechanism of lightning discharges and characteristics of lightning strokes
6.	EE6005	Power Quality	Sources of over voltages, lightning
7.	EE6009	Power Electronics for Renewable Energy Systems	Need for Hybrid Systems- Range and type of Hybrid systems, Solar: Block diagram of solar photo voltaic system, Stand-alone operation of fixed and variable speed wind energy



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			conversion systems
8.	GE6351	Environmental Science And Engineering	ENVIRONMENTAL POLLUTION, SOCIAL ISSUES AND THE ENVIRONMENT
9.	ME6602	Automobile Engineering	Emission norms (Euro and bs)
10.	ME6701	Power Plant Engineering	Pollution control technologies including Waste Disposal Options for Coal and Nuclear Power Plants.
11.	ME6016	Advanced Ic Engine	Pollutant formation and control
12.	GE6757	Total Quality Management	ISO 14000 Concepts ,benefits and requirements
13.	GE6351	Environmental Science and Engineering	Environment, Ecosystem, Pollution, Natural resources, Social issues, Human population
14.	EC6703	Embedded and Real Time Systems	Embedded computing, Operating Systems, System design techniques, case study
15.	EC6011	Electro Magnetic Interference and Compatibility	Interference System Introduction, coupling mechanism, EMI mitigating techniques, Mobile standards and regulations, EMI test methods
16.	EE6352	Electrical Engineering and Instrumentation	DC Machines, Transformers, Induction Machines, Synchronous Machines, Basics of measurements and Instrumentation, Analog & Digital Instruments
17.	1701CH201	Environmental Studies	Water Demand, Source of water, Surface of ground Water
18.	MC7004	Energy Aware Computing	Energy efficient MIPS CPU core, Energy Efficient Storage





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## B.E. MECH

Sl.no	Course code	Course name	Year of offering the course	Professional ethics	Gender	Human values	Environmental and sustainability
1.	1901MCX01	Environmental Science	2021-2022				✓
2.	1703EV017	Industrial Waste Management	2021-2022				✓
3.	1701MGX01	Professional Ethics	2020-2021	✓		✓	
4.	1901MCX01	Environmental Science	2020-2021				✓
5.	1703EV017	Industrial Waste Management	2020-2021				✓
6.	1701MGX01	Professional Ethics	2019-2020	✓		✓	
7.	1901MCX01	Environmental Science	2019-2020				✓
8.	ME6602	Automobile Engineering	2019-2020				✓
9.	ME6701	Power Plant Engineering	2019-2020				✓
10.	ME6016	Advanced Ic Engine	2019-2020				✓
11.	GE6757	Total Quality Management	2019-2020				✓
12.	1703EV017	Industrial Waste Management	2019-2020				✓
13.	GE6075	Professional Ethics In Engineering	2018-2019	✓		✓	
14.	1701CH201	Environmental Studies	2018-2019				✓
15.	ME6602	Automobile Engineering	2018-2019				✓
16.	ME6701	Power Plant Engineering	2018-2019				✓
17.	ME6016	Advanced Ic Engine	2018-2019				✓
18.	GE6075	Professional Ethics In Engineering	2018-2019	✓		✓	



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19.	GE6757	Total Quality Management	2018-2019				✓
20.	GE6351	Environmental Science And Engineering	2017-2018				✓
21.	1703EV017	Industrial Waste Management	2018-2019				✓
22.	GE6075	Professional Ethics In Engineering	2017-2018	✓		✓	
23.	ME6602	Automobile Engineering	2017-2018				✓
24.	ME6701	Power Plant Engineering	2017-2018				✓
25.	ME6016	Advanced IC Engine	2017-2018				✓
26.	GE6757	Total Quality Management	2017-2018				✓

### EEE

S.NO	Course Code	Course Name	Year of offering the course	Professional Ethics	Gender	Environment and Sustainability	Human Values
27.	1701MGX01	Professional Ethics	2021-2022	✓			
28.	1901MGX01	Total Quality Management	2021-2022	✓			
29.	1901MGX02	Project Management and Finance	2021-2022	✓			
30.	1901MGX04	Principles of Management	2021-2022	✓			
31.	1901MCX03	Essence of Indian Traditional Knowledge	2021-2022				✓
32.	1901MCX02	Constitution of India	2021-2022		✓		
33.	1702EE703	High Voltage Engineering				✓	
34.	1703EE018	Power Electronics for Renewable Energy Systems	2021-2022			✓	
35.	1703EE019	Electrical Energy Generation Utilization and Conservation	2021-2022			✓	
36.	1901MCX01	Environmental Science	2021-2022			✓	
37.	1903EE003	Electric and Hybrid Vehicles	2021-2022			✓	
38.	1903EE008	Power Plant Engineering	2021-2022			✓	



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39.	1903EE014	Electrical Energy Generation, Utilization and Conservation	2021-2022			√	
40.	1903EE026	Electronic Waste Management Issues and Challenges	2021-2022			√	
41.	1903EE028	Energy Conservation and Energy Management	2021-2022			√	
42.	1703MG002	Total Quality Management	2020-2021	√			
43.	1703EE002	Electrical Safety and Management	2020-2021	√			
44.	1701MGX01	Professional Ethics	2020-2021	√			
45.	1703EE004	Bio-Medical Instrumentation	2020-2021				√
46.	1703EE002	Electrical Safety and Management	2020-2021				√
47.	1901MCX02	Constitution of India	2020-2021		√		
48.	1703EE009	Power System Transients	2020-2021			√	
49.	1703EE010	Electric and Hybrid Vehicles	2020-2021			√	
50.	1703EE024	Renewable Energy Sources	2020-2021			√	
51.	1702EE703	High Voltage Engineering	2020-2021			√	
52.	1703EE018	Power Electronics for Renewable Energy Systems	2020-2021			√	
53.	1703EE019	Electrical Energy Generation Utilization and Conservation	2020-2021			√	
54.	1901MCX01	Environmental Science	2020-2021			√	
55.	MG6851	Principles of Management	2019-2020	√			
56.	GE6075	Professional Ethics in Engineering	2019-2020	√			
57.	GE6757	Total Quality Management	2019-2020	√			
58.	1703MG002	Total Quality Management	2019-2020	√			
59.	1703EE002	Electrical Safety and Management	2019-2020				√
60.	EI6704	Biomedical Instrumentation	2019-2020				√
61.	GE6075	Professional Ethics in Engineering	2019-2020				√
62.	GE6084	Human Rights	2019-2020				√
63.	1703EE004	Bio-Medical Instrumentation	2019-2020				√
64.	1703EE002	Electrical Safety and Management	2019-2020				√
65.	GE6083	Disaster Management	2019-2020		√		



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66.	GE6084	Human Rights	2019-2020		√		
67.	EE6701	High Voltage Engineering	2019-2020			√	
68.	EE6801	Electric Energy Generation, Utilization and Conservation	2019-2020			√	
69.	EE6005	Power Quality	2019-2020			√	
70.	EE6009	Power Electronics for Renewable Energy Systems	2019-2020			√	
71.	1701CH201	Environmental Studies	2019-2020			√	
72.	1702EE304	Power Plant Engineering	2019-2020			√	
73.	1703EE009	Power System Transients	2019-2020			√	
74.	1703EE010	Electric and Hybrid Vehicles	2019-2020			√	
75.	1703EE024	Renewable Energy Sources	2019-2020			√	
76.	MG6851	Principles of Management	2018-2019	√			
77.	GE6075	Professional Ethics in Engineering	2018-2019	√			
78.	GE6757	Total Quality Management	2018-2019	√			
79.	EI6704	Biomedical Instrumentation	2018-2019				√
80.	GE6075	Professional Ethics in Engineering	2018-2019				√
81.	GE6084	Human Rights	2018-2019				√
82.	GE6083	Disaster Management	2018-2019		√		
83.	GE6084	Human Rights	2018-2019		√		
84.	ME6701	Power Plant Engineering	2018-2019			√	
85.	EE6701	High Voltage Engineering	2018-2019			√	
86.	EE6801	Electric Energy Generation, Utilization and Conservation	2018-2019			√	
87.	EE6002	Power System Transients	2018-2019			√	
88.	EE6005	Power Quality	2018-2019			√	
89.	EE6009	Power Electronics for Renewable Energy Systems	2018-2019			√	
90.	1701CH201	Environmental Studies	2018-2019			√	
91.	1702EE304	Power Plant Engineering	2018-2019			√	
92.	MG6851	Principles of Management	2017-2018	√			



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93.	GE6075	Professional Ethics in Engineering	2017-2018	√			
94.	GE6757	Total Quality Management	2017-2018	√			
95.	EI6704	Biomedical Instrumentation	2017-2018				√
96.	GE6075	Professional Ethics in Engineering	2017-2018				√
97.	GE6084	Human Rights	2017-2018				√
98.	GE6083	Disaster Management	2017-2018		√		
99.	GE6084	Human Rights	2017-2018		√		
100.	GE6351	Environmental Science and Engineering	2017-2018			√	
101.	ME6701	Power Plant Engineering	2017-2018			√	
102.	EE6701	High Voltage Engineering	2017-2018			√	
103.	EE6801	Electric Energy Generation, Utilization and Conservation	2017-2018			√	
104.	EE6002	Power System Transients	2017-2018			√	
105.	EE6005	Power Quality	2017-2018			√	
106.	EE6009	Power Electronics for Renewable Energy Systems	2017-2018			√	

## ECE

S.NO	Course Code	Course Name	Year of offering the course	Professional Ethics	Gender	Environment and Sustainability	Human Values
107.	1701MGX01	Professional Ethics	2021 - 22	√			√
108.	1901MGX01	Total Quality Management	2021 – 22	√			
109.	1901MGX04	Principles of Management	2021 - 22	√			
110.	1703MG002	Total Quality Management	2020-21	√			
111.	MG6851	Principles of Management	2018- 19	√			
112.	GE6075	Professional Ethics in Engineering	2018- 19	√			√
113.	GE6757	Total Quality Management	2018- 19	√			
114.	1901MCX02	Constitution of India	2021-22		√		
115.	GE6083	Disaster Management	2019-20		√		
116.	GE6084	Human Rights	2019-20		√		√



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117.	GE6351	Environmental Science and Engineering	2018-19		√		
118.	1901MCX03	Essence of Indian Traditional Knowledge	2021-22		√		
119.	1703EC004	Bio – Medical Engineering	2020-21		√		
120.	EC6001	Medical Electronics	2019-20		√		
121.	1703EC031	Satellite Communication	2021-22			√	
122.	1703EC037	Electromagnetic Interference and Compatibility	2021-22			√	
123.	1901MCX01	Environmental Science	2021-22			√	
124.	1903EC005	Renewable Energy Engineering	2021-22			√	
125.	GE6351	Environmental Science and Engineering	2019-20			√	
126.	EC6703	Embedded and Real Time Systems	2019-20			√	
127.	1701CH201	Environmental Studies	2019-20			√	
128.	EC6011	Electro Magnetic Interference and Compatibility	2018-19			√	
129.	EE6352	Electrical Engineering and Instrumentation	2017-18			√	

## BME

S.NO	Course code	Course Name	Year of Offering	Professional Ethics	Gender	Human Values	Environmental Sustainability
130.	1902bm404	Biomedical Instrumentation	2020-2021			√	
131.	1901MCX02	Constitution of India	2020-2021			√	
132.	1901MCX03	Essence of Indian Traditional Knowledge	2021-2022			√	
133.	1901MCX01	Environmental Science	2020-2021				√
134.	1902BM603	Biomaterials	2021-2022				√
135.	1901HS003	Start up Entrepreneurship	2021-2022			√	
136.	1902BM751	Hospital Training	2021-2022			√	
137.	1903BM002	Nanotechnology in Medicine	2020-2021			√	
138.	1903BM006	Bio Analytical Methods and Instruments	2021-2022		√		





# E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

139.	1903BM0007	Tele health Technology	2021-2022		✓		
140.	1904GE651	LIFE SKILLS: APTITUDE - II	2021-2022		✓		
141.	1902BM702	REHABILITATION ENGINEERING	2021-2022		✓		
142.	1902BM502	MEDICAL OPTICS	2021-2022		✓		
143.	1901MGX07	Universal Human Values and Ethics	2021-2022	✓			
144.	1903BM07	Components and phenomena in the climate system					✓

## MCA

S.NO	Course Code	Course Name	Year of offering the course	Professional Ethics	Gender	Environment and Sustainability	Human Values
145.	2002CA205	Professional Practice and Ethics	2021-2022	✓			
146.	1703CA019	Information Management System	2021-2022	✓			
147.	1703CA030	Professional Practice and Ethics	2021-2022	✓			
148.	2002CA303	Human Resource Management	2021-2022				✓
149.	1703CA014	Healthcare Information Systems	2021-2022				✓
150.	1703CA023	Bio Informatics	2021-2022				✓
151.	1703CA026	Human Resources Management	2021-2022				✓
152.	1703CA027	Customer Relationship Management	2021-2022				✓
153.	2002CA205	Professional Practice and Ethics	2020-2021	✓			
154.	1703CA019	Information Management System	2020-2021	✓			
155.	1703CA030	Professional Practice and Ethics	2020-2021	✓			
156.	2002CA303	Human Resource Management	2020-2021				✓
157.	1703CA014	Healthcare Information Systems	2020-2021				✓
158.	1703CA023	Bio Informatics	2020-2021				✓
159.	1703CA026	Human Resources Management	2020-2021				✓



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160.	1703CA027	Customer Relationship Management	2020-2021				√
161.	2002CA205	Professional Practice and Ethics	2019-2020	√			
162.	1703CA019	Information Management System	2019-2020	√			
163.	1703CA030	Professional Practice and Ethics	2019-2020	√			
164.	2002CA303	Human Resource Management	2019-2020				√
165.	1703CA014	Healthcare Information Systems	2019-2020				√
166.	1703CA023	Bio Informatics	2019-2020				√
167.	1703CA026	Human Resources Management	2019-2020				√
168.	1703CA027	Customer Relationship Management	2019-2020				√
169.	2002CA205	Professional Practice and Ethics	2018-2019	√			
170.	1703CA019	Information Management System	2018-2019	√			
171.	1703CA030	Professional Practice and Ethics	2018-2019	√			
172.	2002CA303	Human Resource Management	2018-2019				√
173.	1703CA014	Healthcare Information Systems	2018-2019				√
174.	1703CA023	Bio Informatics	2018-2019				√
175.	1703CA026	Human Resources Management	2018-2019				√
176.	1703CA027	Customer Relationship Management	2018-2019				√
177.	2002CA205	Professional Practice and Ethics	2017-2018	√			
178.	MC7304	Professional Ethics	2017-2018	√			
179.	MC7005	Security in computing	2017-2018	√			
180.	MC7007	Health Care Management	2017-2018				√
181.	MC7009	Human Resource Management	2017-2018				√
182.	MC7015	Software Project Management	2017-2018				√
183.	MC7004	Energy Aware Computing	2017-2018			√	