Courses addressing crosscutting issues relevant to, Gender, Human Values and Professional Ethics, Environment and sustainability

Environment and Sustainability Courses with Code	Gender, Human Values and Professional Ethics Courses with Code
Environmental Science (MCCE-101)	Constitution of India (MCI-102)
Civil Engineering- Introduction, Societal & Global Impact (HSMCE-101)	Human values and Professional Ethics (HSMCS-101)
Air Pollution and Control (MEV-104)	Education, Technology and Society (HSMEE-101)
Industrial Waste Management (MTEV-16619)	Intellectual Property Rights (DEEC-14506)
Physics of Environment (MTEV-16602)	Research Methodology and IPR (MRM-101)
Environmental Change and Sustainable Development (MEV-112)	Social and Professional Aspects of Information Technology (IT-14302)
Ground Water Recharge (MEV-125)	Professional Practice, Laws and Sciences including Ethics for IT Engineers (HSMIT-101)
Watershed Management (MEV-121)	
Life Cycle Analysis and Design for Environment (MEV-119)	English for Research Paper Writing (MAC-101)
Environmental Impact Assessment and Management (MTEV-16613)	Essence of Indian Traditional Knowledge (MCI-103)
Geo-environmental Engineering (MEV-117)	Human Values and Professional Ethics (MBA-15207)
Solid and Hazardous Waste Management (MEV-102)	Seminar on Indian Ethos and Ethics (MBA-108)
Pollution Monitoring Techniques (MTEV-16620)	Seminar on Social Responsiveness (MBA-114)
Environmental Geo technology (MTEV-16609)	Human Values and Professional Ethics (HVPE-101)
Environmental Sciences (MCCS-101)	Value Education, Professional Ethics, Human Rights and Legislative Procedures (BTHS-101)
Renewable Energy Resources (PEEE-101)	
Environmental Science (MCEE-101)	
Energy Auditing & Management (OPEE-301)	
Renewable Energy Resources Program (MTPEE-613)	
Renewable Energy Resources Program (MTEE-615)	

Environmental Science (MCI-101)	
E-Waste Management (MOEC-105)	
Environmental Sciences (MCIT-101)	
Energy Conservation and Management (PEME-104)	
Environmental Science (MCPE-101)	
Environmental Science (EVSC-101)	
Total: 26	14

Institution integrates crosscutting issues relevant to, Gender, Human Values and Professional Ethics, Environment and sustainability into the curriculum

Sr. No	Name of the courses	Whether UG or PG	Course Code	Offered under which Study Scheme	Core/Elective Course
	Applied Sciences				
1	Human Values and Professional Ethics	UG	HVPE-101	2011	Core
2	Environmental Science	UG	EVSC-101	2011	Core
3	Value Education, Professional Ethics, Human Rights and Legislative Procedures	UG	BTHS-17101	2017	Non-credited Mandatory Course
	Civil Engineering				
A	**Programme: B. Tech**				
Environment and Sustainability					
1	Environmental Science	UG	MCCE-101	2018	Mandatory (non-credited)
2	Civil Engineering- Introduction, Societal & Global Impact	UG	HSMCE-101	2018	Humanities and social sciences including management
B	**Programme: M. Tech**				
	M. Tech(Environment Science & Technology)	PG			(Full Time)

1	Air Pollution and Control		MTEV – 506 MTEV-16506 MEV-104	2014 2016 2019	core
2	Industrial Waste Management		MTEV – 619 MTEV – 16619	2014 2016	Elective
3	Physics of Environment		MTEV-16602	2016	Elective
4	Environmental Change and Sustainable Development		MEV-112	2019	Elective
5	Ground Water Recharge		MEV-125	2019	Elective
6	Watershed Management		MEV-121	2019	Elective
7	Life Cycle Analysis and Design for Environment		MEV-119	2019	Elective
8	Environmental Impact Assessment and Management		MTEV-613 MTEV-16613	2014 2016	Elective
9	Geo-environmental Engineering		MEV-117	2019	Elective
10	Solid and Hazardous Waste Management		MTEV-505 MTEV-16505 MEV-102	2014 2016 2019	Core
11	Pollution Monitoring Techniques		MTEV-620 MTEV-16620	2014 2016	Elective
12	Environmental Geo technology		MTEV-16609	2016	Elective
Human Values					
1	Constitution of India	UG	MCI-102	2018	Mandatory
Computer Science and Engineering					
Programme: B. Tech					

Human Values					
2	Human values and Professional Ethics	UG	HSMCS-101	2018	Humanities and Social Sciences including Management Courses
Environment and Sustainability					
2	Environmental Sciences	UG	MCCS-101	2018	Mandatory Courses(non credited)
Electrical Engineering					
Programme: B. Tech.					
Human Values/Environment and Sustainability					
1	Education, Technology and Society	UG	HSMEE-101	2018	Humanities/ Social Sciences/ Management (Mandatory course)
Human Values					
2	Constitution of India	UG	MCI-102	2018	Mandatory course(Non-credited)
Environment and Sustainability					
3	Environmental Science	UG	MCEE-101	2018	Mandatory course(Non-credited)
4	Renewable Energy Resources	UG	DEEE-14501 PEEE-101	2014 2018	Elective(EE)

5	Energy Auditing & Management	UG	DEEE-14504	2014	Elective(EE)
			OEEE-14602		Open Elective
			OPEE-301	2018	Open Elective

Programme : M.Tech

Environment and Sustainability

| 1 | Renewable Energy Resources Program | PG (Power Engg.) Full Time | MTPEE – 613 | 2014 | Elective(EE) |
| 2 | Renewable Energy Resources Program | PG (Electrical Engg.) Part Time | MTEE – 615 | 2014 | Elective(EE) |

| | **Electronics and Communication Engineering** | | | | |

Programme: B.Tech

Professional Ethics

| 1 | Intellectual Property Rights | UG | DEEC-14506 | 2014 2017 | Elective |
| 2 | Research Methodology and IPR | PG | MRM-101 | 2019 | Mandatory |

Environment and Sustainability

| 1 | Environmental Science (non-credited) | UG | MCI-101 | 2018 | Mandatory (Non-credited) |
| 2 | E-Waste Management | PG | MOEC-105 | 2018 | Open Elective offered to other Depts. |

Human Values

1	Constitution of India	UG	MCI-102	2018	Mandatory (Non-Credited)

Informational Technology

Programme :B.Tech

Professional Ethics

1	Social and Professional Aspects of Information Technology	UG	IT-14302	2014	Core
2	Professional Practice, Laws and Sciences including Ethics for IT Engineers	UG	HSMIT-101	2018	Humanities and Social Sciences including Management Courses

Environment and Sustainability

3	Environmental Sciences	UG	MCIT-101	2018	Mandatory Courses

Programme: M. Tech

Professional Ethics

1	Research Methodology and IPR	PG	MRM-101	2019	Core
2	English for Research Paper Writing	PG	MAC-101	2019	Audit

Mechanical Engineering

Programme: B. Tech

Human Values

1	Constitution of India	UG	MCI-101	2018	Mandatory(Non–Credited))

2	Essence of Indian Traditional Knowledge	UG	MCI-103	2018	Mandatory course(Non-credited)
Environment and Sustainability					
3	Environment Science	UG	MCI-102	2018	Mandatory course(Non-credited)
4	Energy Conservation and Management	UG	DEME 14104 PEME-104	2014 2018	Elective(ME)
	Production Engineering				
Programme: B.Tech.					
Environment and Sustainability					
1	Environmental Science	UG	MCPE-101	2018	Mandatory (Non Credited Course)
Human Values					
2	Constitution of India	UG	MCI-102	2018	Mandatory (Non Credited Course)
	M.B.A.				
Programme : PG					
Human Values and Professional Ethics					
1	Human Values and Professional Ethics	PG	MBA-15207	2015	Core
2	Seminar on Indian Ethos and Ethics	PG	MBA-108	2019	Core
3	Seminar on Social Responsiveness	PG	MBA-114	2019	Core