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

Environment and Sustainability	Gender, Human Values and Professional			
	Ethics			
Courses with Code	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)				
Physics of Environment (MTEV-16602)	Intellectual Property Rights (DEEC-14506)			
Environmental Change and Sustainable	Research Methodology and IPR (MRM-101)			
Development (MEV-112) Ground Water Recharge (MEV-125)	Social and Professional Aspects of Information Technology (IT-14302)			
Watershed Management (MEV-121)	Professional Practice, Laws and Sciences including Ethics for IT Engineers (HSMIT-101)			
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-			
Solid and Hazardous Waste Management (MEV-102)	15207) Seminar on Indian Ethos and Ethics (MBA-			
Pollution Monitoring Techniques (MTEV-16620)	108)			
Environmental Geo technology (MTEV-16609)	Seminar on Social Responsiveness (MBA-114)			
Environmental Sciences (MCCS-101)	Human Values and Professional Ethics (HVPE-101)			
Renewable Energy Resources (PEEE-101)	Value Education, Professional Ethics, Human			
Environmental Science (MCEE-101)	Rights and Legislative Procedures (BTHS-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
	Д	Applied Scie	nces	I	
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
	C	ivil Enginee	ring	1	
Α	Programme: B. Tech				
Environ	ment 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 P	rogramme: M. Tech			1	L
	M. Tech(Environment Science & Technology)	PG			(Full Time)

			MTEV – 506	2014	core	
1	Air Pollution and Control		MTEV-16506	2016		
			MEV-104	2019		
2	Industrial Waste Management		MTEV – 619	2014	Elective	
			MTEV – 16619	2016		
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			
1	Constitution of India	UG	MCI-102	2018	Mandatory	
		on Color	nd Engineering			
		er science a	nd Engineering			
Programme: B. Tech						

Humar	n Values				
2	Human values and Professional Ethics	UG	HSMCS-101	2018	Humanities and Social Sciences including Management Courses
Enviro	nment and Sustainability				
2	Environmental Sciences	UG	MCCS-101	2018	Mandatory Courses(non credited)
	Ele	ctrical Engi	ineering		
Progra	mme: B. Tech.				
Humar	n Values/Environment and Susta	nability			
1	Education, Technology and Society	UG	HSMEE-101	2018	Humanities/ Social
					Sciences/
					Management
					(Mandatory course)
Humar	n Values			1	
2	Constitution of India	UG	MCI-102	2018	Mandatory course(Non- credited)
Enviro	nment and Sustainability	1	<u> </u>	1	I
3	Environmental Science	UG	MCEE-101	2018	Mandatory course(Non- credited)
4	Renewable Energy	UG	DEEE-14501	2014	Elective(EE)
	Resources		PEEE-101	2018	

2 E-Waste Management PG MOEC-105 2018 Open Elective offered to other Depts.	5	Energy Auditing &	UG	DEEE-14504	2014	Elective(EE)
Programme : M.TechEnvironment and Sustainability1Renewable Energy Resources ProgramPG (Power Engg.) Full TimeMTPEE – 613 (20142014Elective(EE) (Elective(EE))2Renewable Energy Resources ProgramPG (Electrical Engg.) Part TimeMTEE – 615 (20142014Elective(EE) (Elective(EE))2Renewable Energy Resources ProgramPG (Electrical Engg.) Part TimeMTEE – 615 (20142014 (2017)Elective(EE) (Electrical Engg.)Program: Electron: EngineeringProgram: Electron: EngineeringProfession: EngineeringProfession: EngineeringProfession: Engineering1Intellectual Property Rights IPRUGDEEC-14506 (2017)2014 (2017)Elective (2017)2Research Methodology and IPRPGMRM-101 (2019)2019Mandatory (Non-credited)1Environmental Science (non-credited)UGMCI-101 (2018)2018 (Mandatory (Non-credited)2E-Waste ManagementPGMOEC-105 (2018)2018Open Elective offered to other Depts.		Management		OEEE-14602		Open Elective
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)     2   Renewable Energy Resources Program   PG (Electrical Engg.) Part Time   MTEE – 615   2014   Elective(EE)     Program     Program   Dectronics and Communication Engineering     Professional Ethics     1   Intellectual Property Rights   UG   DEEC-14506   2014 2017   Elective     2   Research Methodology and IPR   PG   MRM-101   2019   Mandatory (Non-credited)     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.				OPEE-301	2018	Open Elective
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)     2   Renewable Energy Resources Program   PG (Electrical Engg.) Part Time   MTEE – 615   2014   Elective(EE)     Program     Program   Dectronics and Communication Engineering     Professional Ethics     1   Intellectual Property Rights   UG   DEEC-14506   2014 2017   Elective     2   Research Methodology and IPR   PG   MRM-101   2019   Mandatory (Non-credited)     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.						
1Renewable Energy Resources ProgramPG (Power Engg.) Full TimeMTPEE – 613 Subscription2014Elective(EE) Elective(EE)2Renewable Energy Resources ProgramPG (Electrical Engg.) Part TimeMTEE – 615 (Electrical Engg.) Part Time2014Elective(EE) Elective(EE)ProgramPG (Electrical Engg.) Part TimeMTEE – 615 (Electrical Engg.) Part Time2014Elective(EE) Elective(EE)ProgramElectronication EngineeringProgramElective (Electrical Engg.) Part TimeDEEC-14506 2014 2017Elective Elective1Intellectual Property Rights IPRUGDEEC-14506 20172019Mandatory (Non-credited)2Research Methodology and IPRPGMCI-101 Subscription2018Mandatory (Non-credited)2Environmental Science (non-credited)UGMCI-101 Subscription2018Mandatory (Non-credited)2E-Waste ManagementPGMOEC-1052018Open Elective offered to other Depts.	Program	nme : M.Tech				
Resources ProgramEngg.) Full TimeEngg.) Full TimeMTEE – 615 20142014Elective(EE) Elective(EE)2Renewable Energy Resources ProgramPG (Electrical Engg.) Part TimeMTEE – 615 20142014Elective(EE)ProgramElectronics and Communication EngineeringProgramProgramIthics1Intellectual Property Rights IPRUGDEEC-14506 20172014 2017Elective 20172Research Methodology and IPRPGMRM-101 20192019Mandatory (Non-credited)1Environmental Science (non-credited)UGMCI-101 20182018Mandatory (Non-credited)2E-Waste ManagementPGMOEC-105 20182018Open Elective offered to other Depts.	Enviror	ment and Sustainability				
Image: constraint of the second sec	1		-	MTPEE – 613	2014	Elective(EE)
Resources Program(Electrical Engs.) Part TimeInterfection Part TimeElectronics and Communication EngineeringProgramme: B.TechProfessional Ethics1Intellectual Property RightsUGDEEC-14506 20172014 2017Elective2Research Methodology and IPRPGMRM-101 MR-1012019Mandatory (Non-credited)1Environmental Science (non-credited)UGMCI-101 MCI-1012018Mandatory (Non-credited)2E-Waste ManagementPGMOEC-105 MOEC-1052018Open Elective offered to other Depts.			Full Time			
Electronics and Communication EngineeringProgramme: B.TechProfessional Ethics1Intellectual Property RightsUGDEEC-145062014Elective2Research Methodology and IPRPGMRM-1012019Mandatory1Environmental Science (non-credited)UGMCI-1012018Mandatory (Non-credited)2Environmental Science (non-credited)UGMCI-1012018Mandatory (Non-credited)	2		(Electrical	MTEE – 615	2014	Elective(EE)
Programme: B.Tech     Professional Ethics   UG   DEEC-14506   2014   Elective     1   Intellectual Property Rights   UG   DEEC-14506   2014   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.			Part Time			
Professional Ethics     1   Intellectual Property Rights   UG   DEEC-14506   2014   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.		Electroni	cs and Com	nunication Eng	ineering	1
1Intellectual Property RightsUGDEEC-145062014Elective2Research Methodology and IPRPGMRM-1012019MandatoryEnvironment and Sustainability1Environmental Science (non-credited)UGMCI-1012018Mandatory (Non-credited)2E-Waste ManagementPGMOEC-1052018Open Elective offered to other Depts.	Progra	mme: B.Tech				
2Research Methodology and IPRPGMRM-1012019MandatoryEnvironment and SustainabilityUGMCI-1012018Mandatory (Non-credited)1Environmental Science (non-credited)UGMCI-1012018Mandatory (Non-credited)2E-Waste ManagementPGMOEC-1052018Open Elective offered to other Depts.	Profess	ional Ethics				
IPRIPRIPRIPREnvironment and Sustainability1Environmental Science (non-credited)UGMCI-1012018Mandatory (Non-credited)2E-Waste ManagementPGMOEC-1052018Open Elective offered to other Depts.	1	Intellectual Property Rights	UG	DEEC-14506		Elective
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.	2		PG	MRM-101	2019	Mandatory
2 E-Waste Management PG MOEC-105 2018 Open Elective offered to other Depts.	Enviror	ment and Sustainability		1	1	1
offered to other Depts.	1		UG	MCI-101	2018	Mandatory (Non-credited)
	2	E-Waste Management	PG	MOEC-105	2018	offered to
Human Values	Human	Values	1	<u> </u>	1	<u> </u>

1	Constitution of India	UG	MCI-102	2018	Mandatory (Non-Credited)
	Info	rmational T	echnology		
Progra	mme :B.Tech				
Profes	sional 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
Enviro	nment and Sustainability	I	1		<b>I</b>
3	Environmental Sciences	UG	MCIT-101	2018	Mandatory Courses
Progra	ımme: M. Tech				
Profes	sional Ethics				
1	Research Methodology and IPR	PG	MRM-101	2019	Core
2	English for Research Paper Writing	PG	MAC-101	2019	Audit
	Me	chanical Eng	gineering		I
Progra	imme: B. Tech				
Huma	n 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)
Enviro	onment and Sustainability		·		<b>I</b>
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)
	Produ	iction Engi	neering	I	
Progra	amme: B.Tech.				
Enviro	onment and Sustainability				
1	Environmental Science	UG	MCPE-101	2018	Mandatory (Non Credited Course)
Huma	an Values			_ <b>I</b>	
2	Constitution of India	UG	MCI-102	2018	Mandatory (Non Credited Course)
		M.B.A	•		
Progra	amme : PG				
Huma	n Values and Professional Etl	nics			
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