

GE8076 PROFESSIONAL ETHICS IN ENGINEERING
OBJECTIVES:

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To enable the students to create an awareness on Engineering Ethics and Human Values, to instill Moral and Social Values and Loyalty and to appreciate the rights of others.

UNIT I

HUMAN VALUES

10

Morals, values and Ethics – Integrity – Work ethic – Service learning – Civic virtue – Respect for others – Living peacefully – Caring – Sharing – Honesty – Courage – Valuing time – Cooperation – Commitment – Empathy – Self confidence – Character – Spirituality – Introduction to Yoga and meditation for professional excellence and stress management.

UNIT II

ENGINEERING ETHICS

9

Senses of ‘Engineering Ethics’ – Variety of moral issues – Types of inquiry – Moral dilemmas – Moral Autonomy – Kohlberg’s theory – Gilligan’s theory – Consensus and Controversy – Models of professional roles – Theories about right action – Self-interest – Customs and Religion – Uses of Ethical Theories.

UNIT III

ENGINEERING AS SOCIAL EXPERIMENTATION

9

Engineering as Experimentation – Engineers as responsible Experimenters – Codes of Ethics – A Balanced Outlook on Law.

UNIT IV

SAFETY, RESPONSIBILITIES AND RIGHTS

9

Safety and Risk – Assessment of Safety and Risk – Risk Benefit Analysis and Reducing Risk – Respect for Authority – Collective Bargaining – Confidentiality – Conflicts of Interest – Occupational Crime – Professional Rights – Employee Rights – Intellectual Property Rights (IPR) – Discrimination.

UNIT V

GLOBAL ISSUES

9

Multinational Corporations – Environmental Ethics – Computer Ethics – Weapons Development – Engineers as Managers – Consulting Engineers – Engineers as Expert Witnesses and Advisors – Moral Leadership – Code of Conduct – Corporate Social Responsibility.

TOTAL: 45 PERIODS

OUTCOMES:

Upon completion of the course, the student should be able to apply ethics in society, discuss the ethical issues related to engineering and realize the responsibilities and rights in the society.

TEXT BOOKS:

1. Mike W. Martin and Roland Schinzinger, Ethics in Engineering, Tata McGraw Hill, New Delhi, 2003.
2. Govindarajan M, Natarajan S, Senthil Kumar V. S, Engineering Ethics, Prentice Hall of India, New Delhi, 2004.

REFERENCES:

1. Charles B. Fleddermann, —Engineering Ethics, Pearson Prentice Hall, New Jersey, 2004.
2. Charles E. Harris, Michael S. Pritchard and Michael J. Rabins, —Engineering Ethics – Concepts and Cases, Cengage Learning, 2009.
3. John R Boatright, —Ethics and the Conduct of Business, Pearson Education, New Delhi, 2003
4. Edmund G Seebauer and Robert L Barry, —Fundamentals of Ethics for Scientists and Engineers, Oxford University Press, Oxford, 2001.
5. Laura P. Hartman and Joe Desjardins, —Business Ethics: Decision Making for Personal Integrity and Social Responsibility Mc Graw Hill education, India Pvt. Ltd., New Delhi, 2013.
6. World Community Service Centre, Value Education', Vethathiri publications, Erode, 2011.

**JAYA ENGINEERING COLLEGE,
THIRUNINRAVUR, CHENNAI 602024**

PROFESSIONAL ETHICS AND HUMAN VALUES

NUMBER OF BENEFICIARIES FROM THE COURSE PROFESSIONAL ETHICS

YEAR	DEPT	NO OF STUDENTS
2016	MCA	16
2016	ECE	116
2016	TEX	16
2017	MECH	55
2017	TEX	29
2018	MECH	57
2018	EEE	50
2018	TEX	21
2019	EEE	33
2019	TEX	21
2019	MCA	26

STUDENTS LIST

2017-2018

DEPT: MECHANICAL ENGINEERING

YEAR: III

SEM: V

SL.NO	REG.NO	NAME
1	110815114001	AAKASH U
2	110815114002	ABEENATH M S
3	110815114003	AJAY S
4	110815114004	AJITH K
5	110815114005	ARAVINTH KUMAR K
6	110815114006	ASWIN KUMAR K
7	110815114007	BALAJI D
8	110815114008	BALAJI L
9	110815114009	BALASUBRAMANI K
10	110815114011	DHANUSH B
11	110815114012	DINESH K
12	110815114013	HARIHARAN B
13	110815114014	HARISH R MENAN
14	110815114015	HEMAKUMAR G
15	110815114016	HEMANTH S
16	110815114017	KARAN M S
17	110815114018	KARAN P
18	110815114020	LAKSHMI NARAYANAN
19	110815114021	LOGESH S
20	110815114022	LOHITH NARAYANAN S
21	110815114023	LOKESH KUMAR V
22	110815114024	MADHAN S
23	110815114025	MAHESWARAN.S
24	110815114026	MANIKANDAN S
25	110815114027	MONISH RAJ V

26	110815114028	MUTHU KAMACHI B
27	110815114029	MUTHURAJESH.S
28	110815114030	MUTHU SELVAM.M
29	110815114031	NAVEENRAJ.V
30	110815114032	PRAKASH.A
31	110815114033	PRASHANTH KUMAR
32	110815114034	PRAVEEN KUMAR.V
33	110815114035	PRIYADASHAN.S
34	110815114036	RAHUL.U
35	110815114037	RAJA ARUMAI SELVA
36	110815114038	RAJADURAI.V
37	110815114039	RAJESH.G
38	110815114040	RAJKUMAR.G
39	110815114041	SANDHOSH KUMAR.R
40	110815114042	SANTHOSH KUMAR.S
41	110815114043	SARVESH.S
42	110815114044	SATHISH.S
43	110815114045	SATHISH.S
44	110815114046	SATHISH KUMAR.P
45	110815114047	SOMNATH.S
46	110815114048	SRIVARU.N.RAJU
47	110815114049	SURYAPRAKASH.J
48	110815114050	THAMIZHISAI.D
49	110815114052	VENKATESH.S
50	110815114053	VIGNESH.M
51	110815114054	VIGNESH.S
52	110815114055	VIVEKKUMAR.M
53	110815114056	YESWANTH.N
54	110815114057	YUVARAJ.D
55	110815114058	YUVARAJ.S

PROFESSIONAL ETHICS AND HUMAN VALUES

STUDENTS ADMITTED LIST

2018-2019

DEPT: MECHANICAL ENGINEERING

YEAR: III

SEM: V

S.NO	REG_NO	NAME
1	110816114001	ARUN MOZHI VARMAN.J
2	110816114002	ASHWIN
3	110816114003	ASLAM BASHA.M.K
4	110816114004	BALAJI.D
5	110816114005	BALAJI.R
6	110816114006	BALAKUMARAN.M
7	110816114007	BASKAR.V
8	110816114008	DAWOOD NIYAS.A
9	110816114009	DEENA DHAYALAN.T
10	110816114010	DEEPAK.B
11	110816114011	DHARANESHWAR.S.T
12	110816114012	GOPI.P
13	110816114013	HARIHARAN.S
14	110816114014	HEMNATH.R
15	110816114016	KABILASH.R
16	110816114017	KARTHICK.S
17	110816114018	KARTHICK.S
18	110816114019	KARTHICK PRASAD.C
19	110816114020	KESAVARAJ.P.S
20	110816114021	KRISHNAN.R
21	110816114022	KUMARAN.S
22	110816114023	LOGESH.P
23	110816114025	MOHAMMED SUHAIL.S
24	110816114026	MOHAMMED ZAKRIYA.I
25	110816114027	NARASHIMAN.R.K

26	110816114028	NAVEEN.H
27	110816114029	PADMESH.S.S
28	110816114030	PALANIVEL.R
29	110816114031	PARTHIBAN.V
30	110816114032	PERIYANAYAGAM.G
31	110816114033	POORNACHANDRAN.G
32	110816114034	PRASAD.P
33	110816114035	PRAVEEN.P
34	110816114036	PRAVEEN.R
35	110816114037	PRAVEEN KUMAR.R
36	110816114038	PRAVEEN KUMAR.S
37	110816114039	RAHUL.R
38	110816114040	RAHUL MANDAL
39	110816114041	RAJESHKANNA.M
40	110816114042	RUTHRESH.V
41	110816114043	SATHISH.S
42	110816114044	SRINIVASAN.M
43	110816114045	SRINIVASAN.S
44	110816114046	SUHAIL SHARIF.S
45	110816114047	UMA SHANKAR.P
46	110816114048	VIJAY ANTONY.L
47	110816114049	VINOTH KUMAR.M
48	110816114050	VISHWA.A
49	110816114051	YOGESHWARAN.G
50	110816114054	SASIKUMAR
51	110816114301	T. ABINESHWARAN
52	110816114302	P. JAYASHREE
53	110816114303	P. MANIKANDAN
54	110816114304	S. PRAVEEN KUMAR
55	110816114305	SUDIP GHARAMI
56	110816114701	K.S. VIGNESH
57	110816114702	AVILASH PATEL

2016-2017

DEPT: MASTER OF COMPUTER APPLICATIONS YEAR: II

SEM: III

S.NO	REG NO	NAME
1	110815621301	ANANDHI K.E.
2	110815621302	ARJUNAN R.
3	110815621303	BALAJI C.
4	110815621304	BHUVANESHWARI T.
5	110815621306	DILIP GANESH P.
6	110815621307	GANESH KUMAR D.
7	110815621308	GOWRI SHANKAR K.
8	110815621309	HEMA PRIYA V.
9	110815621310	JEMI.J
10	110815621311	KAMATCHI K.
11	110815621312	KANDHAN K.
12	110815621313	KARTHIKA R.
13	110815621314	KOKILA V.
14	110815621315	MAGESH K.
15	110815621316	MALATHI T.
16	110815621317	MONISHA P.
17	110815621318	PAVITHRA S.
18	110815621319	PRIYA R.K.
19	110815621320	SANGAVI PRIYA.A
20	110815621321	SANJANA M.JAYAPAL
21	110815621322	SANTHOSH KUMAR P.
22	110815621323	SATHISH KUMAR P.
23	110815621324	SHARMILA R.
24	110815621325	SOUNDARYA M.
25	110815621326	UVARANI K.
26	110815621327	VISHNU PRIYA N.

2019- 2020

DEPT: MASTER OF COMPUTER APPLICATIONS YEAR: III

SEM: V

S.NO	REG NO	NAME
1	110817621001	SINDHUJA R.
2	110817621301	ANUSUYA A.
3	110817621302	ARUL MANI V.
4	110817621303	ASHWINI B.
5	110817621304	BOOBESH C.
6	110817621305	BOOMINATHAN V.
7	110817621306	SHAIK HASEENA.
8	110817621307	ILAKHIYA I.
9	110817621308	JAYAPRADHA S.
10	110817621309	KANIMOZHI L.
11	110817621310	NANCY I.
12	110817621311	NARESH K.
13	110817621312	PRADEEP KUMAR S.
14	110817621313	PRIYADARSHINI V.
15	110817621314	ROHINI S.
16	110817621315	SANGEETHA S.
17	110817621316	SANTHIYA D.
18	110817621317	SELVI M.
19	110817621318	THAMARI SELVAN M.
20	110817621319	THAMIZHARASAN K.
21	110817621320	VARSHA R.
22	110817621321	VISHNUPRIYA K.
23	110817621322	BABU K.
24	110817621323	MURALIPRASAD U.
25	110817621324	MAGESH K.B.
26	110817621325	ARUN PRANAV .K.G.

2016- 2017

DEPT: ELECTRONIC AND COMMUNICATION ENGINEERING

YEAR: IV

SEM: VIII

S.NO	REG_NO	NAME
1	110813106001	Aakash. M
2	110813106002	Abishek Jebarshan D
3	110813106003	Aishwarya G S
4	110813106004	Ajay K
5	110813106005	Ajmal Khan K
6	110813106006	Akilandeeswari
7	110813106007	Anitha V
8	110813106008	Archana S
9	110813106009	Arthi S
10	110813106011	Balachander C
11	110813106012	Balaji R
12	110813106013	Balasubramanian A
13	110813106014	Buelah Priyaadharshini
14	110813106015	Charumathi R
15	110813106016	Deepak V
16	110813106017	Delcy D
17	110813106018	Dharani K
18	110813106019	Dharmendra Y
19	110813106020	Dheepak S D
20	110813106021	Divakar B
21	110813106022	Fazailu Rahmen T
22	110813106023	Gayathri M
23	110813106024	Geethanajali V
24	110813106025	Goutham M
25	110813106026	Gowtham C D
26	110813106027	Grace Geetha Vasthi
27	110813106028	Guruprieya V
28	110813106029	Hemalatha E
29	110813106030	Ilaakkiya E
30	110813106031	Jaishriram K

31	110813106032	Janani Priya S
32	110813106033	Jayasurya K S
33	110813106034	Jeyamathi V
34	110813106035	Justine Evangelin J P
35	110813106036	Kalavathi P
36	110813106037	Karthiga L
37	110813106038	Keerthana K
38	110813106039	Keerthana V
39	110813106040	Keerthana Y S
40	110813106041	Kishore R
41	110813106042	Krithika B
42	110813106043	Lavanya D
43	110813106044	Lavanya V
44	110813106045	Logeshwari
45	110813106047	Madhan Kumar N
46	110813106049	Malathy G
47	110813106050	Mani P
48	110813106051	Manikandan R
49	110813106055	Mohanasundharam A
50	110813106058	Mustaqahamed S
51	110813106062	Nandhinisri G
52	110813106064	Parthiban R
53	110813106070	Radha Acharya H
54	110813106072	Rajalakshmi.K
55	110813106081	Rudresh.S
56	110813106095	Soundarya.K
57	110813106301	Ajith kumar
58	110813106302	Dinesh kumar.A
59	110813106303	Lokesh kumar.C
60	110813106010	Bakiya R

62	110813106046	Lorren Enoch S
61	110813106048	Magthaline I
63	110813106052	Manjula A
64	110813106053	Manoj S
65	110813106054	Malba Grace Metilda
66	110813106056	Monisha E
67	110813106057	Mukundhan A
68	110813106059	Nagalakshmi B
69	110813106060	Nainu R M
70	110813106061	Nandhini S
72	110813106063	Navamani A
71	110813106065	Prabhu A E
73	110813106066	Prabu P
74	110813106067	Priya B
75	110813106068	Priyadharshini A
76	110813106069	Priyanka V
77	110813106071	Raja R
78	110813106073	Rajalakshmi P
79	110813106074	Ramupriya.M
80	110813106075	Ramya.K
82	110813106076	Ramya R
81	110813106077	Renny samuel.X
83	110813106078	Revathi Prameela S
84	110813106079	Revathi.K
85	110813106080	Rishikesh prasanna acharya
86	110813106082	Sachithanantham.M
87	110813106083	Sagar.D
88	110813106084	Samraj.D
89	110813106085	Sangeetha.R
90	110813106087	Santhanakrishnan.S
92	110813106088	Saranya.P
91	110813106089	Saranya.R
93	110813106090	Selvagesan.D
94	110813106091	Sethuraja.M
95	110813106092	Shazeen Ahmed.R

96	110813106094	Sivaraja.K
97	110813106096	Sridevi.R
98	110813106097	Srinivasan.V
99	110813106098	Sriram.V
100	110813106099	Subashree.S
102	110813106100	Sudeep.S.M
103	110813106101	Sukanyaa.R.R
104	110813106102	Suwetha.J
105	110813106103	Swathi.N
106	110813106104	Swaathi Subash
107	110813106105	Swethasri.D.S
108	110813106106	Vaishali.V
109	110813106107	Venkatakrisnan.R
110	110813106108	Vignesh.M
111	110813106109	Vignesh.P
112	110813106110	Vinitha.T
113	110813106304	Sathish kumar.R
114	110813106305	Sathish Rao.v
115	110813106306	Vasanth kumar
116	110813106701	Rajalakshmi.k

2016 - 2017

DEPT: TEXTILE ENGINEERING

YEAR: IV

SEM: VII

S.No	Reg.No	Student name
1.	110813212001	AKSHAYA RAKSHAYA.D
2.	110813212002	DEEPAK SUNIL KUMAR
3.	110813212003	DIVYA.B
4.	110813212004	DIVYA.V
5.	110813212006	KAVITHA.P
6.	110813212007	NADHAN.B.S.K
7.	110813212011	RAMARAJAN.M
8.	110813212012	SATHISH.K
9.	110813212013	SHARMILA.M.K
10.	110813212014	STEPHEN RAJ.B
11.	110813212015	SUDHA.K
12.	110813212016	SUKANYA.R
13.	110813212303	NANDHAR ANNISH ELIAZER
14.	110813212304	NARAYANA KUMAR.K
15.	110813212306	K.PREMA
16.	110813212308	R.SASI KUMAR

2017 - 2018

DEPT: TEXTILE ENGINEERING

YEAR: IV

SEM: VII

S.No	Register No	Student name
1	110814212001	Ajitha.S
2	110814212003	Aravind.U
3	110814212004	Aravind Sankhar.M
4	110814212005	Divya Barathi.K
5	110814212006	Gowthami Prabha.S
6	110814212007	Jayashree .L
7	110814212008	Kamali.S
8	110814212009	Mufeed.P
9	110814212010	Nivetha.R
10	110814212011	Pavithra.G
11	110814212012	Poiyamozi.P.S
12	110814212013	Prashanth bisani
13	110814212014	Priyadharishni.P
14	110814212015	Raja kumar.C
15	110814212016	Santhosh.B
16	110814212301	Ramya krishna sai
17	110814212302	Gomathy.D
18	110814212303	Sai krishna
19	110814212304	Sowdeshwari

2018 - 2019

DEPT: TEXTILE ENGINEERING

YEAR: IV

SEM: VII

S.No	Register No	Student name
1	110815212002	Anuradha.S
2	110815212003	Ashwin.S
3	110815212004	Balaji.P.M
4	110815212005	Franklin mark.D
5	110815212006	Kamesh rajan.R
6	110815212007	Kavipriya.A
7	110815212009	Manoharan.V
8	110815212010	Meena rajam.C
9	110815212011	Nisha.M
10	110815212012	Pallavi yadhav
11	110815212013	Ram prakesh.B
12	110815212014	Sai ram.S
13	110815212015	Santhosh kumar.S
14	110815212016	Sindhuja.S
15	110815212017	Sneha.S
16	110815212018	Surya.K
17	110815212019	Vinitha.V
18	110815212301	Mukesh
19	110815212302	Chandana
20	110815212304	Lokeeshwaran

21	110815212305	Preethi
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2019 - 2020

DEPT: TEXTILE ENGINEERING

YEAR: IV

SEM: VII

S.No	Register No	Student name
1	110816212001	Anitha.B (discontinued)
2	110816212002	Dhanashakar.S
3	110816212003	Girish.M
4	110816212004	Harivishni.K
5	110816212005	John stephen.I
6	110816212006	Keerthika.R
7	110816212008	Mahendran.S
8	110816212009	Manimegalai.A
9	110816212010	Meera.S
10	110816212011	Pravesh kumar pndehy.P
11	110816212012	Preethi.V
12	110816212013	Sathaya narayanan.N
13	110816212014	Vedhanathan.D
14	110816212015	Vidhya lakshmi.B
15	110816212016	Yasmin.I
16	110816212301	Aboobaker sidhik
17	110816212302	Deepak
18	110816212303	Venkatesh

19	110816212304	Lokesh
20	110816212305	Vamsi
21	110816212306	Reedy
22	110816212307	Mohan
23	110816212309	Lakshimaiah
24	110816212312	Stalin
25	110816212313	Vigneshwari.N
26	110816212314	Charan kamal

2019 - 2020

DEPT:ELECTRICAL AND ELECTRONICS ENGINEERING

YEAR: IV

SEM: VIII

S.NO	REG_NO	NAME
1	110816105001	AAKASH
2	110816105002	ADIKESH
3	110816105003	AJEETHLAL
4	110816105004	AMALESH
5	110816105006	BARATHWAJ
6	110816105007	BAVATHARANI
7	110816105009	BHARATHI
8	110816105010	DEEPA
9	110816105011	DINESH
10	110816105012	DIVYA
11	110816105013	DIVYAMALAR
12	110816105014	JANAKIRAMAN
13	110816105015	KAUSHIK GHOSH
14	110816105016	KIRUBAKARAN
15	110816105017	KOLGAIMADI
16	110816105018	KRISHNAN
17	110816105019	LINGESHWARAN
18	110816105020	PRAVEEN
19	110816105021	PRAVEEN KUMAR

20	110816105022	PRIYADARSHINI
21	110816105023	ROYSON
22	110816105024	SAKTHIVEL
23	110816105025	SANGEETHA.M
24	110816105026	SARAN BABU
25	110816105027	SENTHILNATHAN
26	110816105028	SHAIK SOHAL
27	110816105029	VENMATHI
28	110816105030	VIJAY
29	110816105301	HARIHARAN
30	110816105302	JERIN ABISHEK
31	110816105303	MANOSH
32	110816105304	YOGESH RAJ
33	110816105701	VENKAT RAO

2018 - 2019

DEPT:ELECTRICAL AND ELECTRONICS ENGINEERING

YEAR: IV

SEM: VIII

S.NO	REG_NO	NAME
1	110815105001	AKASH.E.V
2	110815105002	ARAVIND.P
3	110815105003	ARUNRAJ.T
4	110815105004	BABIN SELVAM.M
5	110815105005	BHARATH
6	110815105006	CHANDRU.K
7	110815105007	GOPINATH.R
8	110815105008	HARIHARAN.E
9	110815105009	HARIHARAN.S
10	110815105010	HARISH.K.R
11	110815105011	INDUMATHI.G
12	110815105012	JAU SHWETHAA SREE.G.M
13	110815105013	JAYASREE.S
14	110815105014	JAYASURYA.J
15	110815105015	JOSHVA.J
16	110815105016	KARTHICK.A
17	110815105017	KARTHIKEYAN.N

18	110815105018	KAVITHA.V
19	110815105019	LOKESH.R
20	110815105020	MATHAN MOHAN.M
21	110815105021	MUKUNDHARAJAN.G.S
22	110815105022	MUTHUKUMAR.P
23	110815105023	NARESH.M.J
24	110815105024	PARANI PANEER SELVAM.S
25	110815105025	PARTHIBAN.P
26	110815105026	PRAGADESHWARAN.U
27	110815105027	PRAKASH.P
28	110815105028	RAFIQUE AHAMED.N
29	110815105029	RAMYA.S
30	110815105030	RIYA SUDHEEN.A
31	110815105031	ROHIT KUMAR.K
32	110815105032	SANGEETHA.M
33	110815105034	SARAVANAN.N
34	110815105035	SATHYA RAGHAVENDRA.P
35	110815105036	SIVARAJ.P
36	110815105037	SUBASH CHANDRA BOSE.J
37	110815105038	SUGAPRIYA.T
38	110815105039	SUMAN.R
39	110815105040	VENKATESHWARAN.N
40	110815105041	VIGNESH.S
41	110815105042	VIGNESH.S
42	110815105043	VISHNU.T.S
43	110815105044	VISHVAARAM.P
44	110815105045	YOGESH IYYAPPAN.M
45	110815105301	BALAKRISHNAN.D
46	110815105302	DINESH BABU.R
47	110815105303	JEEVANANDAN.M
48	110815105305	PRITHIVIRAJ.M
49	110815105306	SABAREESAN.P
50	110815105307	VIJAY VARMAN.S

**JAYA ENGINEERING COLLEGE,
THIRUNINRAVUR,CHENNAI 602024**



Clean Campus- environmental-Cleaning-Programme



Clean Campus- environmental-Cleaning-Programme



Clean Campus- environmental Cleaning-Programme



Taking oath of Plastic free Campus





Planting Tree through NSS



Green Week
Event



Flood Relief activity through Jaya Trust



Voter Awareness Programme through
NSS



Green House Effect demonstration by First year Team