



Department of Automobile Engineering		
B.E/B.Tech/M.E/M.Tech : Automobile Engineering	Regulation: R2018	LP: AE18603
PG Specialisation : NA		Rev. No: 00
Sub. Code / Sub. Name : AE18603 Human Relations, Values and Ethics		Date: 08.01.2021
Unit : I		

Unit Syllabus: INTRODUCTION TO VALUE EDUCATION

Understanding Value Education - Self-exploration as the Process for Value Education Continuous Happiness and Prosperity – the Basic Human Aspirations - Right Understanding, Relationship and physical Facilities - Happiness and Prosperity – Current Scenario - Method to Fulfill the Basic Human Aspirations.

Objective: To learn the basics of value education.

Session No*	Topics to be covered	Ref	Teaching Aids
1	Introduction, Value education	1-9	PPT
2	Self-exploration.	5, 9	PPT
3	Self-exploration as the Process for Value Education.	5, 9	PPT
4	Continuous Happiness and Prosperity.	5, 9	PPT
5	Basic Human Aspirations.	5, 9	PPT
6	Basic requirement to fulfill Human Aspirations	5, 9	PPT
7	Case study	5, 9	PPT
8	Right Understanding.	5, 9	PPT
9	Relationship and physical Facilities.	5, 9	PPT
10	Happiness and Prosperity.	5, 9	PPT
11	Current Scenario.	5, 9	PPT
12	Method to Fulfill the Basic Human Aspirations.	5, 9	PPT
Content beyond syllabus covered (if any):			

* Session duration: 50 minutes



Sub. Code / Sub. Name: **AE18603 Human Relations, Values and Ethics**

Unit : **II**

Unit Syllabus : HUMAN VALUES

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.

Objective: To learn the importance of human values.

Session No*	Topics to be covered	Ref	Teaching Aids
13	Morals, values and Ethics.	5, 9	PPT
14	Types of values.	5, 9	PPT
15	Integrity - Integrity at work place.	5, 9	PPT
16	Work ethics.	5, 9	PPT
17	Complex social problems exist in the industrial/business scenario.	5, 9	PPT
18	Service learning, Virtues - Civic virtue.	5, 9	PPT
19	Respect for others, Living peacefully.	5, 9	PPT
20	Caring and Sharing.	5, 9	PPT
21	Honesty, Courage.	5, 9	PPT
22	Valuing time, Cooperation	5, 9	PPT
23	Commitment, Empathy	5, 9	PPT
24	Self confidence, Character and Spirituality.	5, 9	PPT
Content beyond syllabus covered (if any):			

* Session duration: 50 mins



Sub. Code / Sub. Name: **AE18603 Human Relations, Values and Ethics**

Unit : **III**

Unit Syllabus : ENGINEERING ETHICS

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.

Objective: To know the basics of Engineering Ethics.

Session No*	Topics to be covered	Ref	Teaching Aids
25	Engineering Ethics - Scope and approach.	5, 9	PPT
26	Variety of moral issues.	5, 9	PPT
27	Types of inquiry - Normative inquiry, Conceptual inquiry, and Factual or Descriptive inquiry	5, 9	PPT
28	Moral dilemmas - Steps to Solve Dilemma.	5, 9	PPT
29	Moral Autonomy - skills related to moral autonomy.	5, 9	PPT
30	Moral Development - Kohlberg Theory	5, 9	PPT
31	Moral Development - Gilligan's Theory	5, 9	PPT
32	Consensus and Controversy.	5, 9	PPT
33	Models of professional roles.	5, 9	PPT
34	Theories about right action.	5, 9	PPT
35	Self-interest.	5, 9	PPT
36	Customs and Religion.	5, 9	PPT
Content beyond syllabus covered (if any):			

* Session duration: 50 mins



Sub. Code / Sub. Name: AE18603 Human Relations, Values and Ethics

Unit : IV

Unit Syllabus : SAFETY, RESPONSIBILITIES AND RIGHTS

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.

Objective: To learn the safety, responsibility and rights.

Session No*	Topics to be covered	Ref	Teaching Aids
37	Safety and Risk.	5, 9	PPT
38	Assessment of Safety and Risk.	5, 9	PPT
39	Risk Benefit Analysis and Reducing Risk.	5, 9	PPT
40	Respect for Authority.	5, 9	PPT
41	Collective Bargaining.	5, 9	PPT
42	Confidentiality.	5, 9	PPT
43	Conflicts of Interest.	5, 9	PPT
44	Occupational Crime.	5, 9	PPT
45	Professional Rights.	5, 9	PPT
46	Employee Rights.	5, 9	PPT
47	Intellectual Property Rights (IPR).	5, 9	PPT
48	Discrimination.	5, 9	PPT
Content beyond syllabus covered (if any):			

* Session duration: 50 mins



Sub. Code / Sub. Name: AE18603 Human Relations, Values and Ethics
Unit : V

Unit Syllabus : GLOBAL ISSUES

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

Objective: To study about Global issues.

Session No*	Topics to be covered	Ref	Teaching Aids
49	Multinational Corporations.	5, 9	PPT
50	Environmental Ethics.	5, 9	PPT
51	Global warming.	5, 9	PPT
52	Computer Ethics.	5, 9	PPT
53	Weapons Development.	5, 9	PPT
54	Engineers as Managers.	5, 9	PPT
55	Case study	5, 9	PPT
56	Consulting Engineers.	5, 9	PPT
57	Engineers as Expert Witnesses and Advisors.	5, 9	PPT
58	Moral Leadership.	5, 9	PPT
59	Code of Conduct.	5, 9	PPT
60	Corporate Social Responsibility.	5, 9	PPT

Content beyond syllabus covered (if any):

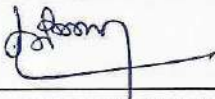
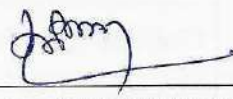
* Session duration: 50 mins



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REFERENCES:

1. R R Gaur, R, Sangal, G.P Bagaria, "A Foundation Course in Value Education", 2009.
2. Govindarajan M, Natarajan S, Senthil Kumar V. S, "Engineering Ethics", Prentice Hall of India, New Delhi, 2004.
3. Mike W. Martin and Roland Schinzinger, "Ethics in Engineering", Tata McGraw Hill, New Delhi, 2003.
4. 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.
5. World Community Service Centre, "Value Education", Vethathiri publications, Erode, 2011.
6. Charles E. Harris, Michael S. Pritchard and Michael J. Rabins, "Engineering Ethics – Concepts and Cases", Cengage Learning, 2009.
7. Charles B. Fleddermann, "Engineering Ethics", Pearson Prentice Hall, New Jersey, 2004.
8. A.N. Tripathy, "Human Values", New Age International Publishers, 2003.
9. R.S. Naagarazan, "A Text Book of Professional Ethics and Human Values", New Age International Publishers, 2006.

	Prepared by	Approved by
Signature		
Name	Dr. J. VENKATESAN	Dr. J. VENKATESAN
Designation	PROFESSOR	HoD/AUT
Date	08.01.2021	08.01.2021
Remarks *:		
Remarks *:		

* If the same lesson plan is followed in the subsequent semester/year it should be mentioned and signed by the Faculty and the HOD

The same lesson was followed for one academic year
2022-23


G. Ravi

The same lesson plan was followed for the academic
year 2023-24


G. Ravi


Dr. J. Venkatesan