

Name of the course: VALUES AND ETHICS IN PROFESSION

Course Code: HM-EE-401

Semester: 4th, Credit Points: 3

Lesson Plan

S. No.	Lecture/ Tutorial No.	Topics to be Covered	Text/ References	Teaching Pedagogy*
1	L1	Familiarize students with Institute and Department Vision, Mission, PEOs, POs, PSOs, COs and Overview of the syllabus Brief information about shared materials and Assignment, etc.	T1, R1	C&T, PPT,CD
2	L2	Introduction to Human Values: Morals, Values, and Ethics (definitions & differences)	T1, R1	C&T, PPT, CD
3	L3	Core Values: Integrity, Trustworthiness, Honesty, Courage	T1, R1	C&T, PPT, CD
4	L4	Work Ethics, Value of Time, Commitment, Self-confidence Social Values: Respect for others, Living peacefully, Caring, Sharing	T1, R1	C&T, PPT, CD
5	L5	Civic Virtue, Service-learning, Cooperation, Empathy	T1, R1	C&T, PPT, CD
6	L6	Spirituality and Character Building	T1, R1	C&T, PPT, CD
7	L7	Truthfulness, Customs and Traditions, Value Education	T1, R1	C&T, PPT, CD
8	L8	Human Dignity, Human Rights, Fundamental Duties	T1, R1	C&T, PPT, CD
9	L9	Harmony: Individual (I), Society (We), and Nature	T1, R1	C&T, PPT, CD
10	L10	Gender Bias and Inclusivity (case-based discussion)	T1, R1	C&T, PPT, CD
11	L11	Emotional Intelligence: Salovey–Mayer Model, Emotional Competencies, Conscientiousness	T1, R1	C&T, PPT, CD
12	L12	History and Need of Engineering Ethics; Profession & Professionalism	T1, R1	C&T, PPT, CD
13	L13	Self-interest vs Moral Autonomy; Senses of Engineering Ethics	T1, R1	C&T, PPT, CD
14	L14	Ethical Theories I: Utilitarianism and Virtue Ethics	T1, R1	C&T, PPT, CD
15	L15	Ethical Theories II: Deontology and Uses of Ethical Theories	T1, R1	C&T, PPT, CD,Q
16	L16	Moral Development: Kohlberg’s Theory and Gilligan’s Argument	T1, R1	C&T, PPT, CD
17	L17	Case Study: Heinz’s Dilemma & Comparison with standard experiments	T1, R1	C&T, PPT, CD
18	L18	Engineers as Managers/Leaders; Role of Codes; Law and Ethics	T1, R1	C&T, PPT, CD
19	L19	Concept of Safety and Risk; Types of Risks	T1, R1	C&T, PPT, CD

20	L20	Voluntary vs Involuntary Risk; Immediate vs Delayed Risk	T1, R1	C&T, PPT, CD
21	L21	Risk Assessment, Threshold Levels, Reversible Effects	T1, R1	C&T, PPT, CD
22	L22	Accountability, Liability, Designing for Safety	T1, R1	C&T, PPT, CD
23	L23	Risk-Benefit Analysis and Case Studies on Engineering Accidents	T1, R1	C&T, PPT, CD, Q
24	L24	Professional Duties, Collegiality, Loyalty	T1, R1	C&T, PPT, CD
25	L25	Professional Rights, Confidentiality, Conflict of Interest	T1, R1	C&T, PPT, CD
26	L26	Ethical Issues: Gifts, Bribes, Ethical Egoism	T1, R1	C&T, PPT, CD
27	L27	Whistle Blowing, Occupational Crimes, Industrial Espionage, Price Fixing	T1, R1	C&T, PPT, CD
28	L28	Globalization, MNCs, Cross-cultural Issues, Business Ethics	T1, R1	C&T, PPT, CD, Q
29	L29	Media Ethics, Environmental Ethics, Bioethics, War Ethics	T1, R1	C&T, PPT, CD
30	L30	Computer Ethics, Research Ethics, Intellectual Property Rights + Course Revision & Discussion	T1, R1	C&T, PPT, CD

Text books:

1. Professional Ethics and Human Values, Premvir Kapoor, Khanna Publishing House, Delhi
2. A text book on professional Ethics & Human values, R.S. Naagarazan, New Age international Publishing.
3. Engineering Ethics, M. Govindarajan, S. Natarajan , V.S. Senthilkumar, Prentice Hall India.
4. 4Human value and professional Ethics, Jayshree Suresh, B.S. Raghvan, S. Chand Publishing

Reference books:

1. Ethics in Science and Engineering, James G. Speight & Russel Foote, Wiley.

***Teaching Pedagogy:**

S. No.	Abbreviation	Full Form
1.	C&T	Chalk & Talk
2.	PPT	Power Point Presentation
3.	CD	Classroom Discussions
4.	Q	Quiz
5.	PS	Problem Solving