

Draft Syllabus

Level	Semester	Course Code	Course Name	Credits	Teaching Hours	Exam Duration	Maximum Marks
5.0	4 th	4SH219VE	Universal Human Values and Ethics	2	30 Hrs.	2 Hrs	50

Course Description:

Subject Code 4SH219VE Universal Human Values and Ethics is a compulsory Value Education Course for Second Year.

Course Objectives:

To develop ethically responsible engineers who apply human values and make informed, value-based decisions in personal, professional, and technological contexts.

Course Outcomes:

After completing the course students will be able to:

CO	Course Outcome
CO1	Understand the concept of self, differentiate physical and mental needs, and apply human values for personal well-being and ethical awareness in engineering.
CO2	Understand and apply trust, empathy, conflict resolution, and ethical principles in relationships, family, and society.
CO3	Apply professional ethics, promote sustainability in engineering practices, and understand corporate and global ethical responsibilities including CSR.

Details of Syllabus:

Unit 1	Understanding Self and Human Values: - Introduction to Value Education: Relevance of Universal Human Values in Technical Education, Value-based education vs. skill-based education, Importance of ethics in professional life. Understanding the Human Being: Coexistence of the Self ('I') and the Body, Needs and satisfactions of Self vs. Body (Physical vs. Mental needs), The concept of happiness and prosperity. Harmony within the Self: Self-exploration as the process for self-evaluation, Mental health, stress management in engineering life, Integrity, self-confidence, and self-discipline in engineering career.	9 Hrs
Unit 2	Harmony in Relationships, Family, and Society: - Human Relationships and Values: Trust, Respect, Empathy, and Love in relationships, Root cause of conflicts and resolution techniques, Value-based interactions in college and workplace. Harmony in the Family: Role of family in value development, Ethical concerns in family businesses and inheritances (entrepreneurship context) Harmony in Society: Social responsibility of engineers, Ethics in leadership, teamwork, and project management, Conflict resolution, social harmony, and justice	11 Hrs

Unit 3	Professional Ethics and Harmony with Nature:- <i>Ethical Human Conduct:</i> Definition, types and dimensions of professional ethics, Virtues of an ethical engineer: honesty, courage, accountability, Unethical practices: plagiarism, fabrication, data manipulation <i>Technology and Sustainability:</i> The role of engineers in promoting environmental sustainability, Green technologies and eco-friendly design, Safety, risk, and responsibility in engineering decisions <i>Corporate and Global Ethics:</i> Corporate governance and ethics in MNCs, Global ethical codes: IEEE, ACM, NSPE etc., Corporate Social Responsibility (CSR) practices in India	10 Hrs
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Text Books:

- 1) R.R. Gaur, R. Sangal, G.P. Bagaria – *A Foundation Course in Human Values and Professional Ethics*
- 2) Mike Martin & Roland Schinzinger – *Ethics in Engineering*
- 3) Charles E. Harris – *Engineering Ethics*
- 4) NSPE/IEEE/ACM Codes of Ethics (for real-world cases and references)