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Human Values: Morals, Values, Ethics, Integrity, Work ethics, Service learning, Virtues, Respect for others, Living peacefully, Caring, Sharing, Honesty, Courage, Valuing time, Cooperation, Commitment, Empathy, Selfconfidence, Challenges in the work place, Spirituality

Engineering Ethics: Senses of engineering ethics, Variety of moral issues, Types of inquiries, Moral dilemma, Moral autonomy, Moral development (theories), Consensus and controversy, Profession, Models of professional roles, Responsibility, Theories about right action (Ethical theories), Self-control, Self-interest, Customs, Religion, Self-respect, Case study: Choice of the theory

Engineering as experimentation, Engineers as responsible experimenters, Codes of ethics, Industrial standards, A balanced outlook on law, Case study: The challenger

Safety definition, Safety and risk, Risk analysis, Assessment of safety and risk, Safe exit, Risk-benefit analysis Sefety lessons from 'the challenger', Case study: Power plants, Collegiality and loyalty, Collective bargaining, Confidentiality, Conflict of interests, Occupational crime, Human rights, Employee rights, Whistle blowing, Intellectual property rights.

Globalization, Multinational corporations, Environmental ethics, Computer ethics, Weapons development, Engineers as managers, Consulting engineers, Engineers as expert witness, Engineers as advisors in planning and policy making, Moral leadership, Codes of ethics, Engineering council of India, Codes of ethics in Business [3Hrs] Organizations

1. A Textbook on Professional Ethics and Human Values, by R. S. Naagarakan, New Age Publishers, 200

1. Professional Ethics and Human Values by D. R. Kiran, McGraw-Hill, 2014.

Approved by AC sub-committee: 22/11/2021 Approved by BoS of USICT:31/10/2021, Applicable from Batch Admitted in Academic Session 2021-22 Onwards

- 2. Engineering Ethics, by Charles E Harris and Micheal J Rabins, Cengage Learning Pub., 2012.
- 3. Ethics in Engineering, Mike Martin and Roland Schinzinger, McGraw Hill Pub., 2017.
- 4. Unwritten laws of Ethics and Change in Engineeringby The America Society of Mechanical Engineers, 2015.
- 5. Engineering Ethics by Charles B. Fleddermann, Pearson, 2014.
- 6. Introduction to Engineering Ethics by Mike W. Martin and Roland Schinzinger, McGraw-Hill, 2010.
- 7. Engineering Ethics: Concept and Cases by Charles E. Harris, Michael S. Pritchard and Michael J.Rabins, Cengage, 2009.
- 8. Ethics in Engineering Practiceand Research by Caroline Whitbeck, Cambridge University Press, 2007.

Poranin Chamdra