HM 402 PROFESSIONAL ETHICS AND HUMAN VALUES

Course Objectives:
- Identify the core values that shape the ethical behavior of an engineer
- To create an awareness on professional ethics and Human Values
- To appreciate the rights of others

Prerequisites: Nil


Engineering as experimentation - engineers as responsible experimenters - Research ethics - Codes of ethics - Industrial Standard - Balanced outlook on law - the challenger case study.


Multinational corporations - Business ethics - Environmental ethics - computer ethics - Role in Technological Development - Weapons development - engineers as managers - consulting engineers - engineers as expert witnesses and advisors - Honesty - leadership - sample code of conduct ethics like ASME, ASCE, IEEE, Institution of Engineers (India), Indian Institute of Materials Management Institution of electronics and telecommunication engineers (IETE), India, etc.,

Text Books:

Reference Books:
1. Charles E Harris, Michael S. Pritchard and Michael J Rabins, ‘Engineering Ethics - Concept and Case’, Wadsworth Thompson Learning, United States, 2000 (Indian Reprint now available)

COURSE OUTCOMES:
Upon completion of this course, students should have
1. Understood the core values that shape the ethical behaviour of an engineer
2. Exposed awareness on professional ethics and human values.
3. Known their role in technological development