

PROF. SUSMITA MUKHOPADHYAY

Department of Human Resource Management IIT Kharagpur

PREREQUISITES : Basic understanding of business management

INDUSTRIES APPLICABLE TO: Being ethical is an integral part of being a good engineer. So this course will have strong industry support.

INTENDED AUDIENCE : Any interested student

COURSE OUTLINE :

Engineering as a profession is meant to serve the public by strictly adhering to codes of conduct and placing paramount the health, safety and welfare of public. However it raises few conflicting questions like : who is the public? Does it include future generation? Who decides what is best for public? Do engineers have managerial and technical responsibilities? What is the acceptable risk? Do Engineers have responsibilities towards the environment also? Engineering ethics is the study of moral issues and decisions confronting individuals and organizations engaged in engineering and the study of related questions about the moral ideals, character, policies and relationships of people and corporations involved in technological activity. To prepare students for their professional responsibilities as Engineers. To help them recognize and think through ethically significant problem situations that are common in Engineering and to evaluate the existing ethical standards for ENGINEERING Practice.

ABOUT INSTRUCTOR :

Prof. Susmita Mukhopadhayay, Associate Professor, VGSOM (Ph.D.,Calcutta University, Fellow ISI, Kolkata) Susmita Mukhopadhyay's areas of specialization include Human Resource Management and Industrial Psychology, Business Values and Ethics, and Organizational Behaviour. A gold medalist in M.Sc., she is the recipient of the Young Scientist Award and Search of Excellence Award. She was selected for the Microfinance Researchers Alliance Fellow Program Centre for microfinance, Institute of Financial Management and Research, Chennai, in 2009.

COURSE PLAN :

- Week 01 : Introduction to Ethical Reasoning and Engineer Ethics
- Week 02 : Professional Practice in Engineering
- Week 03 : Ethics as Design Doing Justice to Moral Problems
- Week 04 : Central Professional Responsibilities of Engineers
- Week 05 : Computers, Software, and Digital Information
- Week 06 : Rights and Responsibilities Regarding Intellectual Property
- Week 07 : Workplace Rights and Responsibilities
- Week 08 : Responsibility for the Environment