SNS COLLEGE OF ENGINEERING

Kurumbapalayam(Po), Coimbatore – 641 107

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Department of AI&DS

Course Name – 19GET201 PROFESSIONAL ETHICS

IV Year / VII Semester

Unit 1 – Engineering Ethics

Senses of 'Engineering Ethics'

SENSE OF RESPOSIBILITY

A strong sense of responsibility affects how an employee works and the amount of work he does ,when the employee feels personally responsible for his job performance, he shows up on time, puts in his best effort and completes projects to the best of his ability.

ENGINEERING ETHICS

Engineering Ethics is the activity and discipline aimed at,

Understanding the moral values that ought to guide engineering profession or practice.

Resolving moral issues in engineering, and

Justifying the moral judgments in engineering. It deals with set of moral problems and issues connected with engineering.

THE DEFINITION OF ETHICS

- The word ethics comes from the Greek ethos which means customs or habits.
- Ethics is also often called moral philosophy
- The word moral is from the Latin mores which also means customs or habits
- Thus, ethics means the science of customs or habits of society.

DEFINITION OF ETHICS

- The discipline of dealing with what is good and bad, with moral duty and obligation
- A set of moral principles or values
- The principle of conduct governing an individual or group

1.PERSONAL ETHICS:

It is concerned with the rules by which an individual live his or her personal life

It also deals with how we treat others in our day to day lives.

2.BUSINESS ETHICS

        Business ethics is concerned with Truth and justice and has a variety of aspects ,Such as the expectation of society,fair competition,advertising,Public Relations,social responsibilities,consumer autonomy and corporate behavior.

        It involves choices on an organizational level rather than a personal level.

ENGINEERING ETHICS

      Engineering ethics is concerned with the rules and standards governing the conduct of engineers in their role as professionals.

      It is a body of philosophy guiding the ways that engineers should conduct themselves in their professional capacity.

MEDICAL ETHICS

Medical ethics is concerned with the rules and standards governing the conduct of doctors and other medical practitioners in their role as professionals.

5.LEGAL ETHICS:

Legal ethics is concerned with the codes that guide the professional conduct of lawyers,judges

6.ACCOUNTING ETHICS:

Accounting ethics concerned with the codes that guide the professional conduct of accountants.

ENGINEERING ETHICS

What is engineering ethics?

(1) The study of moral issues and decisions confronting individuals and organizations involved in engineering

(2) The study of related questions about moral conduct, character and relationships of peoples and organizations involved in technological development.

DEFINITION:

Engineering ethics may be defined as the identification, study and revolution of ethical problems occurring in the practice of the engineering profession.

CASE STUDY:THE WHISTLEBLOWER IN CORPORATE ETHICS.

BACKGROUND:

Sarah is an employee at a large manufacturing company known for its commitment to sustainability and ethical practices, After working there for several years,she discovers that the company is illegally dumping hazardous waste to cut costs

ETHICAL DILEMMA:

Sarah is turn between has loyalty to the company and has moral obligation to report the unethical practices, She tears retaliation and potential job loss, if she goes public

KEY ETHICAL PRINCIPLE:

      1.INTEGRITY:

           Upholding honesty in business practices

      2.RESPOSIBILITY:

           The obligation to protect public safety and the environment.

KEY ETHICAL PRINCIPLE:

      3.Courage:

         The strength to stand up for the what is right, even at personal risk.

RESOLUTION:

 After careful consideration, Sarah documents the evidence and reports the illegal activities to the appropriate environmental agency, She also reaches out to an internal ethics committee, ensuring her concerns are addressed through official channels

OUTCOMES:

The investigation leads to a significant fine for the company and changes in policy regarding waste disposal, Sarah faces some backlash at work but ultimately gains support from colleague and advocates for ethical practices

CONCLUSION:

Sarah's decision to act in her ethical convictions illustrates the importance of a strong sense of ethics in the workplace. Whistle blowing can be challenging but it's vital for promoting accountability and integrity within organization

REFLECTIONS:

This case highlights the complexities of ethical decision making in a professional setting.It underscores the necessity of fostering an organization culture that supports ethical behavior and encourages employees to speak out against wrongdoing