

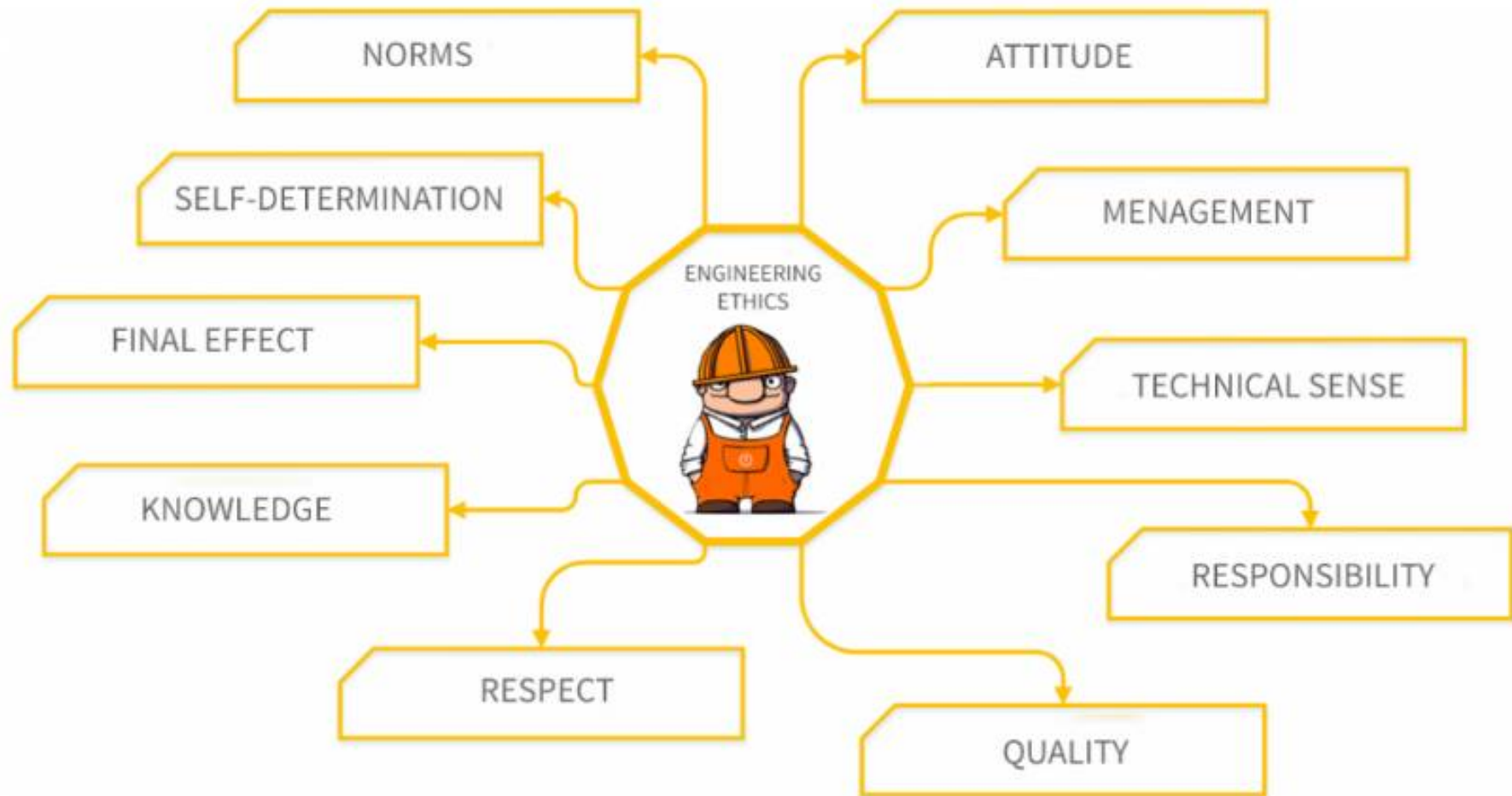
Professional Ethics & Human Values

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Ethics in professional life is crucial for several reasons, providing a foundation for behavior, decision-making, and interactions within various professions.

Here are some key reasons why ethics is needed in professional life:

1. Trust and Credibility
2. Guidance in Decision-Making
3. Professional Integrity
4. Protection of Rights and Interests
5. Legal and Regulatory Compliance
6. Professional and Personal Growth
7. Corporate Responsibility and Sustainability
8. Crisis Management





ETHICS

Study of right or wrong.

Good and evil.

Obligations & rights.

Justice.

Social & Political deals.

It refers to a particular set of beliefs, attitudes and habits of individuals or family or groups concerned with morals.

Finally, it is used to mean 'morally correct'.



DIFFERENTIATE BETWEEN MORALITY AND ETHICS



Moral:

- personal behavior.
- any aspect of human action.
- Social conventions about right or wrong conduct.

Ethics:

- Involves defining, analyzing, evaluating and resolving moral problems and developing moral criteria to guide human behavior.
- Critical reflection on what one does and why one does it.
- Refers only to professional behavior.



WHAT IS THE PRIMARY ETHICAL CONCERN IN THE VOLKSWAGEN EMISSIONS SCANDAL?

- A) Intellectual property theft
- B) Environmental impact
- C) Worker safety
- D) Product pricing

Volkswagen Emissions Scandal (2015)

Ethical Issues: Volkswagen engineers developed software to cheat emissions tests, allowing cars to emit pollutants above legal limits.

Ethical Principles: Honesty, transparency, and responsibility in reporting and adhering to environmental regulations.



<i>Morality</i>	<i>Ethics</i>
1. More general and prescriptive based on customs and traditions.	1. Specific and descriptive. It is a critical reflection on morals.
2. More concerned with the results of wrong action, when done.	2. More concerned with the results of a right action, when not done.
3. Thrust is on judgment and punishment, in the name of God or by laws.	3. Thrust is on influence, education, training through codes, guidelines, and correction.
4. In case of conflict between the two, morality is given top priority, because the damage is more. It is more common and basic.	4. Less serious, hence second priority only. Less common. But relevant today, because of complex interactions in the modern society.
5. Example: Character flaw, corruption, extortion, and crime.	5. Example: Notions or beliefs about manners, tastes, customs, and towards laws.



WHAT IS THE NEED TO STUDY ETHICS?



To responsibly confront moral issues raised by technological activity.

To recognize and resolve moral dilemma.

To achieve moral autonomy

Ethics provide a standard of conduct that is generally agreed upon and empower professionals to promote moral values through their work.

Educational system says that - **study** of **ethics** is important because it allows humans to distinguish moral values from other types of values in their everyday lives.



MORAL ASPECTS OF AN ENGINEER

Respect colleagues, customers and bosses

keeping promises

not robbing

avoid cheating

Honesty.



ENGINEERING ETHICS

Study of the moral issues and decisions confronting individuals and organizations engaged in engineering / profession.

Study of related questions about the moral ideals, character, policies and relationships of people and corporations involved in technological activity.

Moral standards / values and system of morals.

It is the field of applied **ethics** and system of moral principles that apply to the practice of **engineering**.

The field examines and sets the obligations by **engineers** to society, to their clients, and to the profession.

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SENSES OF ENGINEERING ETHICS

Ethics is an activity of

- Understanding and resolve the moral values
- Justify the moral judgment
- Ethical problems, issues and controversies
- Particular set of beliefs, attitudes and habits
- Morally correct



IN THE CHALLENGER DISASTER, WHAT WAS THE MAIN ETHICAL FAILURE?

- A) Failure to disclose financial information
- B) Ignoring environmental regulations
- C) Inadequate communication of safety risks
- D) Misleading advertising

Challenger Space Shuttle Disaster (1986)

Ethical Issues: Engineers at NASA and contractor Morton Thiokol were aware of the potential for O-ring failure in cold temperatures but did not sufficiently communicate these risks to decision-makers.

Ethical Principles: The need for thorough communication of safety concerns, prioritizing public safety over schedule pressures.



THANK YOU