

Engineering Ethics

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Engineering Ethics

Communitising Technology



Chapter 3 Professionalism and Codes of Ethics



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Chapter Description

Aims

- Define what is engineering profession.
- Expected Outcomes
 - Differentiate the professional engineer and code of ethics.
- Other related Information



Subtopics

3.1 Engineering Profession3.2 Code of Ethics



3.1 Engineering Profession

- Develop framework for understanding
- Established by the engineering organization.
- Prevent engineers to make false claim and misrepresentation.
- Resourceful for engineers.
- Codes serve to guide practitioners in making decision and solve them. (Charles B. Fleddermann, 2012)



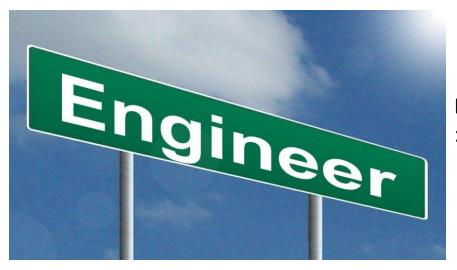




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3.1 Engineering Profession

- Engineers are paid for their services.
- Engineers are professional.
- Profession
 - Sophisticated skills, judgement and discretion
 - Membership and extensive formal education
 - Public endorsement setting standard / codes.
- Engineers make judgement significant decisions based on formal training and experience.
- Engineers use their discretion in making decision. *(Charles B. Fleddermann, 2012)*



3.1 Engineering Profession

- Essence of engineering design is judgement; use of materials / components to reach the objectives.
- Engineers keep clients information / intellectual properties.

(Charles B. Fleddermann, 2012)



3.2 Code of Ethics

- Express the rights, duties and obligations of the member of the profession.
- Framework of the ethical judgement
- Commitment to the ethical conduct.
- Not a legal document
- Guide or reminder on how to act in certain situation. *(Charles B. Fleddermann, 2012)*







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References

- Charles B. Fleddermann. 4th Edition. Engineering Ethics.Prentice Hall 2012.
- P. Aarne Vesilind, Alastar S. Gunn. Hold Paramount. The Engineer's Responsibility to Society. Third Edition. Cengage Learning 2016, 2012.





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