



# IEEE Code of Ethics

Ethical Principles for Engineers and Technologists

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# Introduction

What is IEEE?

Institute of Electrical and Electronics Engineers

Why ethics matter in engineering?

- Technology affects quality of life
- Responsibility towards society



# Overview of the Code

Adopted: June 2020

Structure:

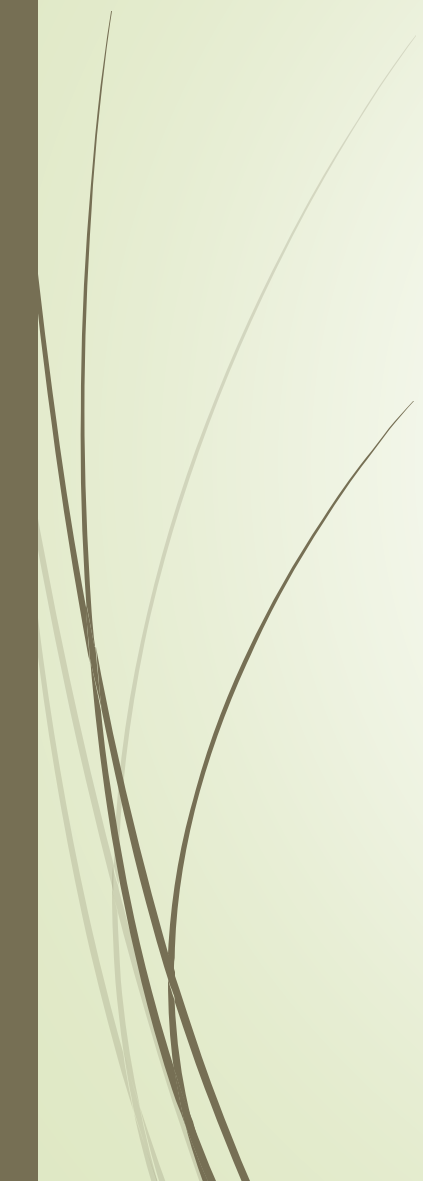
- 3 Core Ethical Duties
- 10 Guiding Principles

Purpose:

- Guide ethical behavior in professional activities




# Section I – Integrity & Responsible Conduct

- Core duty: Uphold highest standards of integrity
  - Applies to all professional activities
  - Includes safety, privacy, and sustainability
- 




# Principle 1

- Hold paramount: Public safety, health, welfare
- Comply with: Ethical design, sustainable development
- Disclose: Risks to public/environment
-  Discussion: Can you think of a case where failing to disclose a risk caused harm?




# Principle 2

- Promote public understanding of technology
- Discuss societal implications of emerging tech (AI, robotics)
-  Example: How should we educate society about AI biases?




# Principle 3

- Avoid conflicts of interest
- If unavoidable, disclose them
-  Case study: A developer recommending tools they profit from.




# Principle 4

- Avoid unlawful conduct
- Reject bribery in all forms
-  Example: Vendor bribes in procurement – what to do?







# Principle 5

- Accept and offer honest criticism
- Correct errors, be realistic, credit others
-  Example: Plagiarism in technical papers

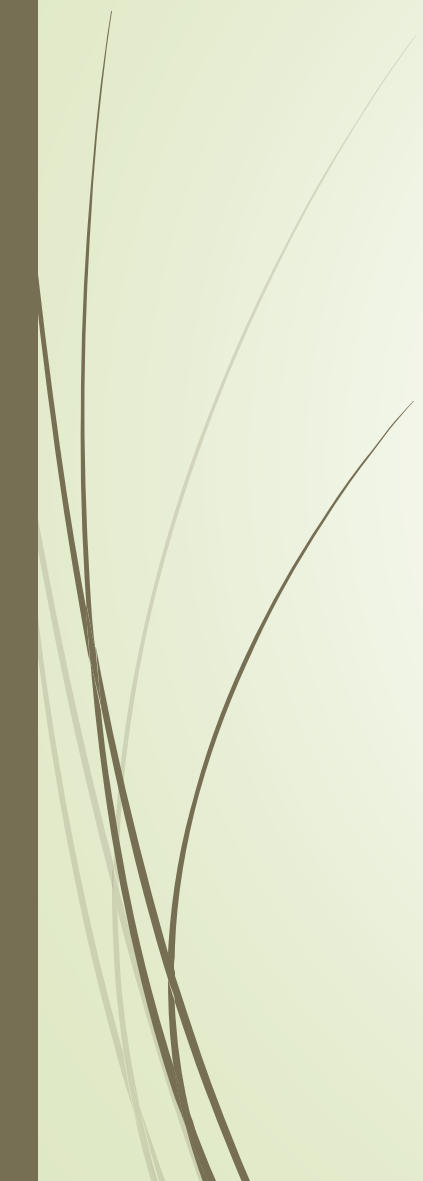


# Principle 6

- Maintain technical competence
- Only undertake tasks if qualified
-  Ethical risk of faking expertise or overpromising




## Section II – Respect & Fairness

- Treat all people with fairness and respect
  - Avoid harassment, discrimination, and harm
- 




# Principle 7

- No discrimination by race, religion, gender, etc.
- Respect diversity and inclusion
-  Group activity: Recognizing unconscious bias




# Principle 8

- No harassment or bullying
- Includes sexual harassment
-  Case scenario: Handling misconduct in teams

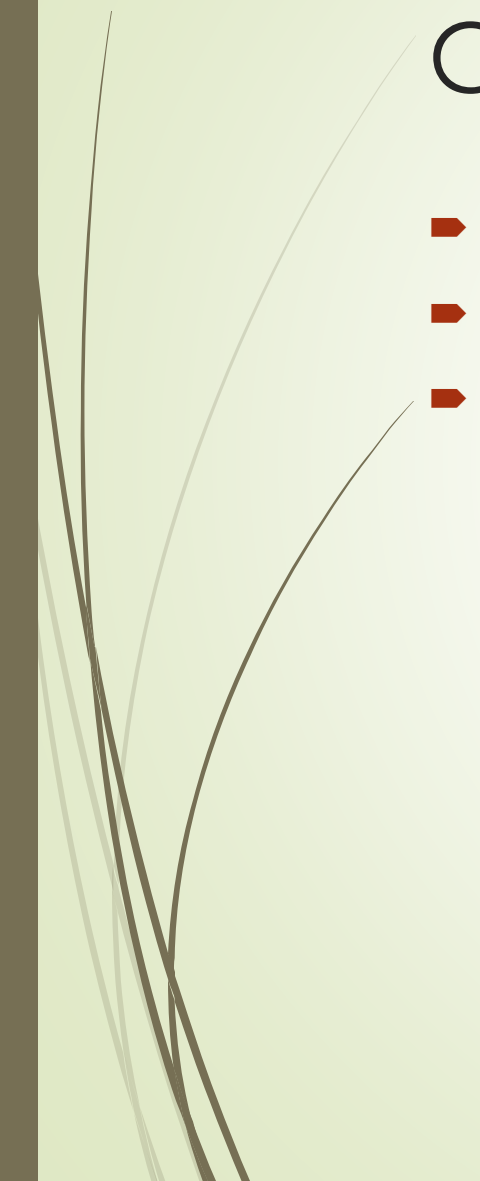


# Principle 9

- Don't injure others' reputation, employment, or property
- Avoid false claims, rumors, or verbal abuse
-  Social media and professional reputation – boundaries?




## Section III – Upholding the Code

- Ethical responsibility to support the code
  - Promote it among peers
  - Do not retaliate against whistleblowers
- 



# Principle 10

- Encourage ethical behavior in peers
- Report violations
- Protect those who report unethical conduct
-  Whistleblower protection and courage to speak up





# Summary of Key Principles

- Safety, honesty, respect
- Competence, transparency
- Inclusion, accountability
-  Remember: Ethics is not just knowing the rules – it's doing the right thing.

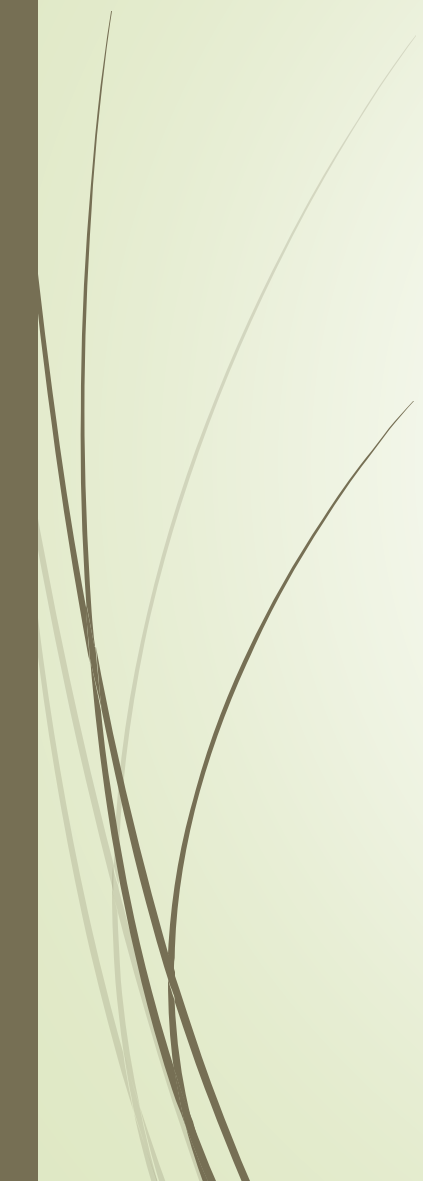


# Applications in Real Life

- Ethics in:
  - - Software development
  - - Data privacy
  - - AI & Robotics
  - - Environmental engineering

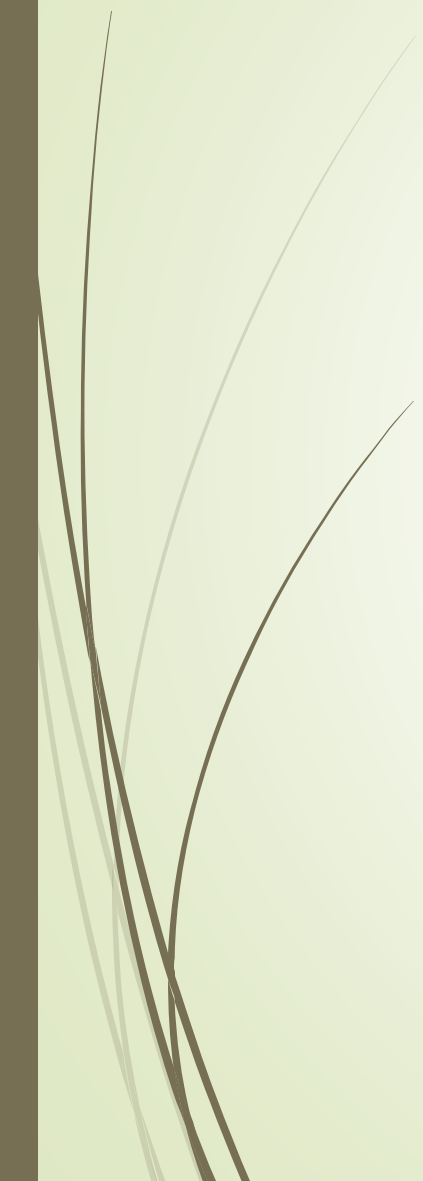


# Group Discussion / Activity

- Divide into groups
  - Choose a principle and discuss a real-world ethical dilemma
  - Present findings
- 



# Conclusion

- IEEE Code is a living guide
  - Engineers must lead with ethics
  - Uphold trust in technology
- 



# References

- IEEE Code of Ethics (June 2020)
- [www.ieee.org](http://www.ieee.org)
- Additional ethical guidelines (ACM, NSPE, etc.)