

Submission Details

Grade: 20 / 20

Assignment 6.2: Engineering Principles

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As we all know, Engineers play a vital role in shaping modern society. It is crucial for an engineer to be able to achieve and represent an equally great responsibility to ensure that their work promotes safety, fairness, and integrity. Which is why engineers are expected to uphold the standards set by the National Society of Professional Engineers (NSPE) Code of Ethics. NSPE guides engineers in maintaining professional and moral standards in terms of protecting public welfare and professional integrity.

According to the provided NSPE Code principles, the core principles emphasize "*protecting public welfare*", "*performing services only in terms of their competence*", "*issuing and acting truthfully*", "*maintaining integrity and objectivity*", and "*avoid deceptive acts*" in all professional activities. These principles are crucial because they establish a foundation of public trust and accountability. Engineers' decisions have huge consequences that impact the overall public safety of the society. Which is why, the NSPE Code ensures that engineers remember their ethical obligations even under pressure from deadlines or corporate interests.

In applying the principles in a real-life representation on how an engineer should respond to a real-life ethical dilemma, we shall deeply analyze the perspective of an engineer who has expertise in the practice of the NSPE Code of ethics.

In applying the first principle, which is the "*Holding paramount the safety, health, and welfare of the public*", engineers must act with efficiency to report and correct the problem, even if it causes the deadline to be delayed or it may potentially cause financial loss. In the first principle of NSPE, safety is a priority, no matter what the consequences it may bring to you due to causing a delay or a financial loss, ignoring the issue could endanger lives, violate ethical duties, and damage the profession's reputation.

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