

R3

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Due Sunday by 11:59pm **Points** 10 **Submitting** a file upload **File Types** pdf
Available Mar 3 at 12am - Mar 29 at 11:59pm 27 days


Reflection #3: Areas of Professional Responsibility




Note that these reflections are **individual** assignments. You are required to discuss the relevant topics with your project teams but it is expected that your write-up will be 100% your own work. Generally, these reflections need not be lengthy essays, but should be written clearly, concisely, and using appropriate grammar and formatting.

Individually, briefly review the attached paper that forms the basis for this assignment (you can limit your review to Sections 1-3):

J. McCormack et al., "Contextualizing Professionalism in Capstone Projects Using the IDEALS Professional Responsibility Assessment," *International Journal of Engineering Education (IJEE)*, 28(2), 2012.

[491_reflection_04a.pdf](#) 

In addition, read the National Society for Professional Engineers (NSPE) code of ethics - [NSPE_code-of-ethics.pdf](#) , as well as ONE of the following:

- IEEE Computer Society / ACM Code of Ethics for Software Engineers - [IEEE_CS_ACM_code-of-ethics.pdf](#) 
- ACM Code of Ethics - [ACM_code-of-ethics.pdf](#) 
- IEEE Code of Ethics - [IEEE_code-of-ethics.pdf](#) 

Focusing on Table 1 of the McCormack et al. paper, do the following:

Q1) Add a column to Table 1 corresponding to the society-specific code of ethics selected above, and how it addresses each of the areas of seven professional responsibility in the table. Briefly describe each entry added to the table in your own words. How does the IEEE, ACM, or SE code of ethics differ from the NSPE version for each area?

Q2) Add an additional column to Table 1 corresponding to the importance (High, Medium, Low) of each of the seven areas of professional responsibility, *within the context of your senior design project*. Be specific.

Q3) Add an additional column to Table 1 corresponding to your team's current level of performance (High, Medium, Low, N/A) in each of the seven areas of professional responsibility, again in the context of your project. Be specific.

Q4) After everyone on your team has completed Q1-Q3, schedule an in-person or virtual meeting to discuss your responses. Briefly summarize your meeting - in what areas did team members generally agree, and where was there a difference of opinion? Did you change any of your answers to Q1-Q3 based on discussion with your team?

Q5) Identify one area of professional responsibility that is both important to your project, and for which your team has demonstrated a moderate or high level of proficiency in the context of your project. Briefly describe what this responsibility means to your project, the ways in which your team has demonstrated the responsibility in the project, and specific impacts to the project that you have observed.

Q6) Finally, identify an area of professional responsibility that is important to your project but has seen a relatively low level of application to-date. Briefly describe the possible impacts of this opportunity. How will the team better fulfill this responsibility in the project going forward?

Rubric for "Areas of Professional Responsibility"

Criteria	Ratings				Pts
Overall effort (Q1-Q4)	3.0 pts Exemplary Addresses questions with reasonable effort; indicates having read and engaged with assigned Codes of Ethics; indicates team discussion.			2.0 pts Competent 1.0 pts Developing 0.0 pts Unsatisfactory	3.0 pts
Demonstrated strength of an area of responsibility (Q5)	3.5 pts Exemplary Impressive grasp of responsibility, insightful details/examples, strategic use of area in project, substantial documented impacts.	2.0 pts Competent Sound grasp of responsibility, details/examples relevant to the responsibility, responsibility applied purposefully, clear positive impacts.	1.0 pts Developing Moderate grasp of responsibility, some relevant detail, not very purposeful or direct, some good impacts.	0.0 pts Unsatisfactory Little or no explanation of any elements related to the area, little or no use of elements, no impacts cited.	3.5 pts

Criteria	Ratings				Pts
Identified weakness of an area of responsibility (Q6)	3.5 pts Exemplary Superb explanation of opportunity; insightful on benefits & relevant codes; Impressive plan; likely embraced by all and implemented.	2.0 pts Competent Good explanation of opportunity; good definition of benefits & reference to codes. Clear, strong plan; reasonable to implement well.	1.0 pts Developing Okay description of opportunity; vague benefits; some reference to codes. Reasonable plan; may be possible to implement.	0.0 pts Unsatisfactory Vague description of opportunity; does not see benefits; no reference to codes. No plan or unclear; unreasonable to implement.	3.5 pts
Total Points: 10.0					