

5 Professionalism

5.1 AREAS OF RESPONSIBILITY

Area of Responsibility	Definition	NSPE Canon	IEEE (own interpretation)	Differences
Work Competence	Perform work of high quality, integrity, timeliness, and professional competence	Perform services only in areas of their competence; Avoid deceptive acts	The ability to continuously learn and correctly implement knowledge gained through experience and education as we are qualified	NSPE Canon deals more with staying within areas of expertise while IEEE is more about making sure the work done is done at a level of excellence
Financial Responsibility	Deliver products and services of realizable value and at reasonable costs	Act for each employer or client as faithful agents or trustees.	Act ethically and do not compromise public service or show favor based on private payments	NSPE is about financial responsibility to the people who your working for while IEEE adds in taking into account the public
Communication Honesty	Report work truthfully, without deception, and understandable to stakeholders	Issue public statements only in an objective and truthful manner; Avoid deceptive acts	Be truthful and open with what we are doing so that the public can make informed decisions which will be in their best interest	NSPE doesn't include the consideration that the public can make their own opinion based on the facts
Health, Safety, Well-Being	Minimize risks to safety, health, and well-being of stakeholders	Hold paramount the safety, health, and welfare of the public	Work to prioritize the well being of customers and put their safety first above profits	Both are similar in nearly every way, with IEEE adding that safety should be prioritized over profit
Property Ownership	Respect property, ideas, and information of clients and others	Act for each employer or client as faithful agents or trustees	If we receive help from others, credit them properly, and if we make a mistake, publicly acknowledge it.	NSPE deals with honesty towards the employer/client while IEEE deals with properly crediting contributions. While

				different they both involve being honest about the project.
Sustainability	Protect environment and natural resources locally and globally		Seek to prioritize environmental safety and sustainability	NSPE does not have a Sustainability column.
Social Responsibility	Produce products and services that benefit society and communities	Conduct themselves honorably, responsibly, ethically, and lawfully so as to enhance the honor, reputation, and usefulness of the profession	Seek to act ethically as we interact with clients, other engineers, and companies	NSPE deals with honor and responsibility and reputations. IEEE is about respecting those who may have differing backgrounds and upcoming.

5.2 PROJECT SPECIFIC PROFESSIONAL RESPONSIBILITY AREAS

Area of Responsibility	Performance	Reasoning
Work Competence	High	Since this task is relatively complicated it is important that we work efficiently and well together in order to get the rabbit done on time
Financial Responsibility	Medium	We do have access to a decent amount of money thus it is important that we handle it responsibly
Communication Honesty	High	Since we will be working closely with the client it is important we keep him up to date and in the loop regarding the status of the project
Health, Safety, Well-Being	Low	Since this app is designed to assist peoples health and only involves a small rc car the impact to safety is reasonably low
Property Ownership	Medium`	Since we are developing a product for a client it is important that we keep the clients needs in mind throughout development

Sustainability	Low	The impact of the product will not be wide spread unless it becomes incredibly popular which is unlikely at this stage
Social Responsibility	Medium	The goal of this app is to improve training techniques of athletes if not handled well it could disproportionately affect higher income athletes so it is important we consider affordability in our process

5.3 MOST APPLICABLE PROFESSIONAL RESPONSIBILITY AREA

The responsibility of Work Competence is important to our project and we have demonstrated a high level of proficiency thus far this semester in it. Because our project contains multiple systems and spans several disciplines from software to hardware we have all worked hard to build out the various areas of our project and work together to ensure that the different areas will fit well together when it comes time to synthesize our system.