

IPRO 348 Ethics Statement

Overarching Principle: To design an affordable and feasible system to recycle condensate from residential air conditioners.

LAW

The team will research all applicable regulations/laws and design a product in observation of those laws.

Pressure: Limited time

Risk: The team may not carry out proper research of all applicable laws/regulations

Risk: The team might unintentionally break laws

Measure: Observation of regulations will be done by consulting those knowledgeable in US regulations.

PROFESSIONAL CODE OF ETHICS

The team will know the National Society of Professional Engineers code of ethics and be sure to follow them and will do all work within the standards of professionalism.

Pressure: The team may rush the product to complete it within a limited time span.

Risk: The team might violate the code's policy to "avoid deceptive acts."

Risk: The team might distribute work unequally.

Risk: The team might use unqualified members to do tasks.

Measure: The team will divide tasks according to expertise and be sure that several groups prepare and test the products.

INDUSTRY STANDARDS

The team will make sure that its product falls within a certain standard and has a minimum amount of failure.

Pressure: The product may be rushed through production or testing.

Risk: The product will fail to perform to the standards required by the consumer.

Risk: The product will fail to meet what it is marketed as.

Measure: The members of the team will know how the product works and the specifications for it and the product will not be released without each member agreeing to the standards set forth.

SOCIAL, CIVIC AND GEOGRAPHIC COMMUNITIES

The team will be sure to test the product to assure the safety of the community and the consumers who will use it.

Pressure: The team members may feel the need to make sure there is a market for the product.

Risk: The team may falsely advertise the product.

Risk: The team might compromise on the quality of the product in order to make it affordable.

Measure: The product will be tested and its safety and feasibility confirmed before any marketing is carried out.

PERSONAL RELATIONS

Everyone will work together as a team and will not deliver fraudulent data to other members.

Pressure: Team members may feel the pressure of deadlines and rush to complete their individual sections.

Risk: Team members may fabricate data.

Pressure: To work together effectively to complete the project

Risk: Difference in opinions may lead to a negative environment

Measure: Several team members are assigned to each task with the ability to overlook each other's data/research. The team member must then submit his data to a sub-team leader, who in turn, submits to the team leader. This chain of command and the involvement of several members help to eliminate fraudulent data. Conflicts are resolved through class discussions.

MORAL AND SPIRITUAL VALUES

The team will not use, prepare or test the product in any way that may offend one's moral or spiritual views.

Pressure: The team may feel pressurized to hold meetings outside of class due to the shortage of time.

Risk: Some team members may not be able to attend additional meetings due to personal or religious commitments.

Pressure: The team may feel pressurized to divide tasks equally amongst all members.

Risk: Team members may be asked to be involved in an activity that is against their moral/spiritual beliefs.

Measure: The team leader will be sure to make all meetings outside the given time optional, and be sure not to force anything upon individuals who are unable to do so.