

Spring 2023 ECE 445 Team Contract

Instructions: The content of this document should be specific to your goals and needs. Ideas for the content of each section are provided as suggestions.

Project No. and Name	
Member Name, netID	Nolan Opalski nolanfo2
Member Name, netID	Tyler Hirsch thirsch3
Member Name, netID	Bryson Maedge bmaedge2

ECE 445 is a project-based course. The course includes both team and individual grades. Project teammates generally all get the same grade for team assignments based on the expectation that all team members do their fair share of the work involved. The purpose of this contract is to lay out the tasks needed for the successful completion of the project and distribute them in a fair and efficient way to the team members. It will also discuss how the teammates will work together during the project and address any issues that come up. A contract that promotes good teamwork that leads to a successful project should:

- Acknowledge that each team member has commitments and responsibilities outside of ECE 445
- Encourage open communication about challenges that team members are facing, both in and out of ECE 445
- Give team members the benefit of the doubt and the opportunity to explain themselves when something goes wrong and resist jumping to judgement

Project Description:

Automated Garment Folder, that will automatic detect the type of clothing then correctly fold and pile it.

Project Goals:

- Correctly detect the garment placed on the machine
- Correct command execution from controller

- Mechanical arms fold and pile the garments neatly

Expectations (ground rules) for each member:

- Show up to meetings on time and prepared to work
- If unavailable to meet please give at least 6 hour notice so other group members can plan
- Teammates are required to respond to communication requests within a 24 hour period
- No one or two persons should be forced to do the lion share of the work load
- Everyone get's to have their idea's shared and then compared and contrasted to our current plan
- No major altercations or bitterness if your idea was not implemented

Roles:

- Software Design Lead

- Tyler will take helm of the software design, being the executive of that portion of the project. Ideas will be freely shared, work will be distributed by Tyler is the leader of that aspect of the project.

- Circuit Design Lead

- Nolan will take helm of the circuit design, ideas will be freely shared, work will be distributed but Nolan is the leader of that aspect of the project.

- Mechanical Design Lead

- Bryson will take helm of the mechanical design, ideas will be freely shared, work will be distributed but Bryson is the leader of that aspect of the project.

project Everyone is expected to work on all aspects of the project, however each subsystem will have its own lead who will make final decisions regarding that aspect.

Project Meeting Time(s):

TA meetings will take place at 16:00 - 16:30 on Tuesdays.

Outside of TA meetings all participants schedules are flexible, so specific meeting times are not needed.

Besides the TA meeting, the team will be required to meet at a minimum of twice a week to work on the project.

Agenda: *Who will set the agenda? Beyond the weekly meetings with the TA, what will the team do to ensure that it stays on track during the semester? When a decision needs to be made, will it be approved by consensus or majority vote? Will a team member be appointed to keep records?*

Outside of TA meetings all participants schedules are flexible, so specific meeting times are not needed.

Besides the TA meeting, the team will be required to meet at a minimum of twice a week to work on the project.

Each Subsystem of the project has a design lead, who will make final decisions regarding their specific aspect of the project.

Nolan is appointed to keeping records of each intrateam meeting as well as meeting with the TA.

Process and penalties for dealing with team issues:

If person or persons are becoming a continual detriment to the progress of the project, at first a TA will be asked to help intervene and settle the issue. If after a meeting with a TA the issue persists, an instructor will be contacted to assist

End-of-term agreement on using final peer assessment for grade

adjustment:

All team members are very hard workers who all share a major interest in this project. It is doubtful that any teammember will break this contract and become detrimental to the success of this team and project.

Signatures: Iterate on this document until everyone is comfortable with its contents and signs (it is okay to type your printed name as your digital signature).

I affirm that I participated in generating this team charter and that I will abide by its contents to the best of my ability. Furthermore, I understand that failure to meet the expectations expressed here can lead to the stated consequences.

netID: nolanfo2 (digital) Signature: Nolan Opalski
Date: 02/09/2024

netID: thirsch3 (digital) Signature: Tyler Hirsch
Date: 02/09/2024

netID: bmaedge2 (digital) Signature: Bryson Maedge
Date: 02/09/2024