

EGR 103 - Engineering Exploration 2

Project Team Contract

Team Identity

Team 9; (semicolon)

Membership

List Members and Contact information in alphabetical information

Team Member 1 Name: Brennen Green Major: Computer Engineering Cell Phone: 8593120852 Email: bdgr235@uky.edu	Strengths: Programming Computers 3D Modeling Organizational Stuff
Team Member 2 Name: Jacob Compton Major: Computer Science Cell Phone: (859) 447-6649 Email: jacob.compton@uky.edu	Strengths: I like to code. Like to spread work between members. Can perform any needed task.
Team Member 3 Name: Adam Reynolds Major: Mechanical Engineering Cell Phone: (606)416-9340 Email: adamreynolds@uky.edu	Strengths: 3D Modeling (Creo and Autodesk) Organization and documentation Trusses? I can code if I have to
Team Member 4 Name: Ben Browning Major: Civil Engineering Cell Phone: (859) 753-3697 Email: bjbr242@uky.edu	Strengths: Organization Leadership Stays on top of work
Team Member 5 Name: Jacob Rice Major: Civil Engineering Cell Phone: 606-568-3788 Email: jsri227@uky.edu	Strengths: Finish work on time Can try to do any work Decent at coding
Team Member 6 Name: Brent O'Donnell Major: Mechanical Engineering Cell Phone: 779-279-1495 Email: bwod222@uky.edu	Strengths: Organization Hands on building

Roles and Responsibilities

Design Ownership:

The design project will be divided up into stages. Each member is expected to take **primary** responsibility for one of the design checkpoints and **secondary** responsibility for another. Identify the member that will take primary ownership for ensuring the delivery and function, and a second team member to take the role of assisting that person. Each team member should have ONE primary and ONE secondary module for which they are significantly responsible. The individual elected as **team lead** has the overall design as his/her responsibility.

Overall Concept - Responsibility of the team

System Integration- For teams of 6 students only

Primary: Brent O'Donnell

Secondary: Jacob Rice

Launcher and Trigger Design

Primary: Adam Reynolds

Secondary: Ben Browning

Rotating Base

Primary: Jacob Rice

Secondary: Adam Reynolds

Vision

Primary: Ben Browning

Secondary: Brennen Green

Code

Primary: Brennen Green

Secondary: Jacob Compton

Scoring System

Primary: Jacob Compton

Secondary: Brent O'Donnell

Organization: Team Lead: This is not a design position but an organizational position

Documentation Ownership:

When completing a project, the system must be handed over to another internal group or to a customer to use and maintain the product. In the case of this project you would be handing the prototype off to a group to bring it to manufacturing readiness. As part of that hand off it is important to create documentation for the device. **Each team member will take ownership of one documentation piece.** That documentation piece will be uploaded into Canvas on Week 12 into the documentation assignment as well as included as a hard copy in the Design Notebook. There is only one owner for each documentation piece. Select the piece that best fits your interests or correlates best to the design piece you have just signed up for. Note: for teams with 6 members, the final member will document the outcome of the Design Review as well as being primary on putting that power point together as well as the power point for the final presentation.

1. Drawings - in CAD of the launcher (if you have a system integration engineer, they will deliver the assembly CAD model) Owner: Brent O'Donnell	2. Electrical Schematics and electrical flow chart Owner: Brennen Green
3. Code & Algorithm – code and code flow charts Owner: Jacob Compton	4. Economic Analysis – cost as well as development cost in engineering hours Owner: Jacob Rice
5. Project management - Gantt Chart and analysis of final performance (calculation of reliability) Owner: Ben Browning	6. Design Review Owner: Adam Reynolds

Notebook- team documents including meeting notes, design notebook forms for checkpoints and a hard copy of the documentation items listed above.

Meetings

Rules and structure to follow

Method of decision-making

Practices for creating, approving, communicating, and keeping meeting records (template for meeting notes is provided in Canvas)

In Class Meetings

Out of Class Meetings

Mondays, Engineering Quad, 5:00 PM, 30 Minutes, Group Message

Communication: Problems could arise if there is not a good understanding of what happens when a team member can't make a meeting, or how a meeting gets cancelled at the last minute. Agree up on the expectations for these events. Does the team member need to contact everyone or just the team lead? How much notice is expected? What is the plan for "getting caught up"?

Let the team know the night before/ASAP

Documentation (General)

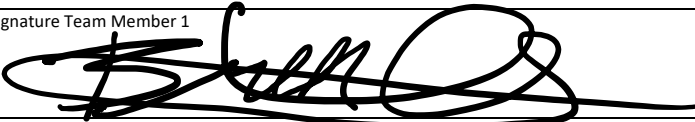
Each team will keep a physical copy of a design notebook where documents will be kept and reviewed by the instructor or TAs at different times throughout the semester.

Documentation guidelines: Stored on Google Docs

Protection of project information

Approval and Acceptance of Contract

This contract is subject to the terms and conditions stated herein. By affixing signatures below, the parties verify that they are authorized to enter into this agreement and that they accept and consent to be bound by the terms and conditions stated herein.

Signature Team Member 1 	Date
Printed Name Brennen Green	

Signature Team Member 2 	Date
Printed Name Jacob Compton	

Signature Team Member 3 	Date
Printed Name Ben Browning	

Signature Team Member 4 	Date Feb. 10, 2020
Printed Name Adam Reynolds	

Signature Team Member 5 	Date Feb. 10, 2020
Printed Name Jacob Rice	

Signature Team Member 6 	Date Feb. 10, 2020
Printed Name Brent O'Donnell	