### Week 07

Working on proposal

validation

### Week 06

Meeting Saturday

Finalized conceptual design GPS/GSM

Reference projects/designs

Proposal requirements finalized/vlaues

Studio A

Agenda:

* First hour work on the requirements and conceptual designs
* Second hour converge to two conceptual designs and discuss possible combinations, diverge again
* Third maybe make a pugh chart and everyone think of designing testing protocols for their requirements.

### Week05

### Meeting4 Thursday 2022 Feb-10 3pm-4pm

Agenda:

* Continue working on the requirements and the conceptual designs
* Update process of proposal
* GSU email

### Studio A

Agenda:

* Organize the ideas according to the requirements
  + Attribute listing
* Converge once/ assess each object based on requirements
* Diverge again based on selected candidate
* Technical research
* GSU email
* Testing protocols (if we have time)

### TO DO before next meeting:

Individual research and elaborate on their ideas

PM artefacts:

1. Procurement Tracker (Yiqun)

2. Project Budget (Yiqun)

3. Collaborator Protocol /Communication Protocol (Tab)

4. Updated Meeting Agenda (Arielle)

5. Updated Meeting Minutes (Arielle)

6. Updated Schedule (Arielle)

7. Updated Risk Log (Arielle)

8. Updated Interaction Protocol (Emre)

9. Updated Support Protocol (Emre)

10. Updated Responsibility Tracker (Arielle)

11. Team Appraisal (100 words minimum) (Ethan)

### Meeting3 Tuesday 2022 Feb-08 4pm-5pm

Agenda

Design products diverge

May need to refine requirements

Technical architecture

* Brainstorm
* High level conceptual design

Proposal: Work on Proposal

Minute for this meeting

See Presentation

### Week04

### Studio A

TA feedback

* Keep the research scope broad to find unexpected issues
* Find the reasons why/ find alternatives
* Must include electric mechanical component, constraint.
* Ordering parts from MyFab also from Internet? Follow up later
* Prototype
  + follow up later
  + representation
  + highlights/convincing people it actually works/the innovation parts work

Agenda

Prep for checkin,

research update,

framing/stakeholder analysis,

GSU reply

### Meeting2 (short meeting before Studio A) 21:00-22:00 pm

Agenda

Prep for checkin,

research update,

framing/stakeholder analysis,

GSU reply

### TO DO before next meeting:

* Stakeholders follow up (Piazza + stakeholder questions): Tabitha
* Possible solutions research
  + Drone method Edwin
  + Tracker method? Arielle
  + Scanner/tagging sheep
  + Sheep facial recognition???
* Proposal write-up draft:
  + Opportunity Statement/problem statements(Provide a brief overview of the situation/context and the stakeholders.): Tabitha
  + Outline design requirements Ethan
  + Framing/rescoping (Arielle)
  + Value proposition:
    - Research: UN SDGs/Strategyzer (Emre)
      * Sustainability/green energy/reusability
      * Where do we source the materials from?
    - Research: Design for Durability: Functionally, the solution should last long (maintenance should be easy etc.) (Arielle)
    - Research: Equity:
      * Ease of learning: Edwin
      * Affordability: Tabitha
* Non-functionality research (stakeholder, the country, their culture, how they graze sheep... etc.) (everyone)

### Week 03 Meeting1 (Jan 29 1-3pm)

### Agenda:

Plan update

* Roles assignment
* PM artefect

Opportunity understanding:

Proposal handout go over:

* Three deliverables

Design scoping/requirements:

* Framing
* Requirements
* Stakeholder analysis

Research:

* More research

Stakeholder reaches out:

* How can we send the questions?

Check-In deliverable structure:

If we have time?:

Individual Brainstorm Update

Group Brainstorm

### Next meeting: Friday 19:00-21:00 IF they release the assignment

### TO DO(Before next meeting):

* Read the opportunity/assignment handout
* Opportunity here:

<https://engsci-utoronto.agorize.com/en/challenges/praxis-iii-2022-winter/pages/project-list?lang=en#sheep>

* Non-functionality research
* Individually brainstorm (come with some potential solutions) before next meeting
* Prepare for group diverge/brainstorm next meeting

# Week 03 StudioA

Opportunity the wandering sheep discussion:

[The Wandering Sheep\_Studio (padlet.com)](https://padlet.com/rubainakhan/l82qmcpicx8apct1)

Tracker

* Lagrangian method

Fence (not fenced)

* Eulerian method

Sheep marker

* Why paint are not good

Possible constraints:

* No of sheep we need to track
* Cost
* Scalability
* No collars or tags on sheep

Preventing the sheep from getting lost

Reasons:

Sat Jan 29th 13:00 – 15:00

* Finalized role assignments
* Started framing the opportunity
* Next meeting: Tues Feb 1st 20:00 – 21:00

Friday February 4th 12:00 – 13:00

First meeting with GSU

More research on local culture for money that earning

Working on analysis problem

Analyse stakeholders

Multifunction is another consideration for values

Next meeting: