
ENGINEER 1P13

MEETING WITH TEAM 20 -Monday, Feb 10, 2025

ATTENDANCE

Role	Name	Mac ID	Attendance (Yes/No)
Manager	Sanawar	javais7	Yes
Administrator	Chloe	junc1	Yes
Coordinator	Nehan	mohamn87	Yes
Subject Matter Expert	Kartik	peddadak	Yes
Subject Matter Expert	Elyssa	tamlie	Yes

AGENDA ITEMS

- Finish Team charter (Milestone 0)
 - Start with everyone showing which roles everyone has had in the past projects
 - Everyone state which role they will be taking for this project
- Team Manager has to make a Preliminary Gantt Chart (Milestone 0)
- Everyone has to state any previous project experience they have (Milestone 0)
- Create initial problem statement (Milestone 1.2)
- List Objectives with their rationale (Milestone 1.3)
 - List Unit/metric for each objective
 - List testing methods for each objective
- Create a refined problem statement (Milestone 1.4)
- Discuss which topic each member will cover in their research summary (Milestone 1.5)

MEETING MINUTES

- We all decided on roles for the project
- Everyone was coordinator at one point in the project
- Discussed meeting notes about Kimberly and potential ideas and ideas to look into
- Brainstormed a couple of design objectives, functions, and constraints for problem statement
- Discussed previous project experiences and how they can help in P3
- decided not to make a software based project due to lack of skills

POST-MEETING ACTION ITEMS

1. *Everyone do their own research assignments*
2. *Everyone during reading week should try to look into ideas for the project that can be made in a couple of weeks*

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MEETING WITH TEAM 20 -Monday, Feb 24, 2025

ATTENDANCE

Role	Name	Mac ID	Attendance (Yes/No)
Manager	Sanawar	javais7	Yes
Administrator	Chloe	junc1	Yes
Coordinator	Nehan	mohamn87	Yes
Subject Matter Expert	Kartik	peddadak	Yes
Subject Matter Expert	Elyssa	tamlie	Yes

AGENDA ITEMS

- Highlight any changes made from milestone 1 (Milestone 2.2)
 - change in objective, constraints, problem statements
 - Have at least one constraint
 - Justify changes
 - Add updated refined problem statement
- Create a morph chart for functions (Milestone 2.2)
- Review design with TA and take notes (Milestone 2.4)
- Each team member has to list all personal contributions to the project for that week (Milestone 2.6)

MEETING MINUTES

- Nehan discussed his research material about patents
- Kartik discussed his research current solutions
- Sanawar discussed his research on Materials we can use
- Elyssa discussed her research on Testing plan
- Chloe presented her sketches about a scale
- Nehan looking into what sensor to get for scale

POST-MEETING ACTION ITEMS

- 1 . Everyone should focus on refining their initial sketches for prototype
2. Everyone should look into refining the prototype from the TA feedback

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MEETING WITH TEAM 20 -Friday, Feb 28, 2025

ATTENDANCE

Role	Name	Mac ID	Attendance (Yes/No)
Manager	Sanawar	javais7	Yes
Administrator	Chloe	junc1	Yes
Coordinator	Nehan	mohamn87	Yes
Subject Matter Expert	Kartik	peddadak	Yes
Subject Matter Expert	Elyssa	tamlie	Yes

AGENDA ITEMS

- Work period for Milestone 2
 - Complete as much of Milestone 2 as we can

MEETING MINUTES

- Nehan struggling with a bug in the code not allowing the buttons to work
- Elyssa and Chloe working on CAD model
- Kartik looking into load cell on amazon and which to buy

POST-MEETING ACTION ITEMS

1. Chloe - Work on base
2. Elyssa work on cad platform
3. Nehan - work on testing buttons to see if they work
4. Kartik look into easier ways to place cup
5. Sanawar look into code for buttons and learn arduino ide

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MEETING WITH TEAM 20 -Monday, March. 3, 2025

ATTENDANCE

Role	Name	Mac ID	Attendance (Yes/No)
Manager	Sanawar	javais7	Yes
Administrator	Chloe	junc1	Yes
Coordinator	Nehan	mohamn87	Yes
Subject Matter Expert	Kartik	peddadak	Yes
Subject Matter Expert	Elyssa	tamlie	Yes

AGENDA ITEMS

- Create Decision Matrix (Milestone 3.2)
- Narrow down the top 2 concepts (Milestone 3.2)
- Justify the reason behind choosing each concept in the top 2 (Milestone 3.2)
- Create a refined project timeline (Milestone 3.3)
- Record each members personal contributions (Milestone 3.4)

MEETING MINUTES

- Sanawar talked about creating a spout for the cup
 - Kartik talked about adding a slider for the cup so easy attachment
1. . TA- Are we modifying a new scale?
Yes, we are creating a new scale that is tailored toward kimberly using arduino and HX11 load cell sensor
 2. .TA Are there CAD models?
 - a. Yes each of us have created a design for our prototype
 3. TA- Can she use different bowls? or only one that you make
 - a. She can use different bowl however the setting that we have for the scale is strictly for our bowl
 4. That wouldn't be beneficial for Kimberly to do math when weighing something. Try to make sure that it zeroes out when you place an empty bowl so any bowl can be used to measure .

POST-MEETING ACTION ITEMS

1. Chloe and Elyssa- From TA feedback make changes where necessary
2. Nehan look into audio and the ways to use it with arduino
3. Sanawar and Kartik - look into making buttons larger and platform

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MEETING WITH TEAM 20 -Monday, March. 10, 2025

ATTENDANCE

Role	Name	Mac ID	Attendance (Yes/No)
Manager	Sanawar	javais7	Yes
Administrator	Chloe	junc1	Yes
Coordinator	Nehan	mohamn87	Yes
Subject Matter Expert	Kartik	peddadak	Yes
Subject Matter Expert	Elyssa	tamlie	Yes

AGENDA ITEMS

- Write a short description of the refined prototype (Milestone 4.1)
- Indicate which type of prototype it is (Milestone 4.1)
 - place marker on graph
 - Physical or Analytical
 - Focused or Comprehensive
- Create list of objectives and metrics for the prototype (Milestone 4.1)
 - Include constraints as well
- Take pictures of refined prototype (Milestone 4.1)
 - Physical (3D printed container) and Analytical (CAD models)
 - Everything put together
- Include feedback on how the prototype was refined (Milestone 4.1)
- Create a present and future testing plan (Milestone 4.2)
 - max 500 words
- Include feedback from TA's and science students (Milestone 4.3)
 - Also include feedback from TA/IAI/ or faculty member
- List personal contributions for that week towards the project (Milestone 4.4)

MEETING MINUTES

- Reviewed all changes to code, CAD that the group worked on on tuesday
- Looking into having a meeting on thursday to discuss milestone 4
- Kartik load cell has arrived and will be picked up this weekend
- Nehan is looking into start code for this

POST-MEETING ACTION ITEMS

- Nehan - Begin researching effective testing plans and work on code

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- Chloe and elyssa try to integrate cad with testing plan
 - Kartik, sanawar - look into different designs for platform and start looking at metrics

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MEETING WITH TEAM 20 -Monday, March. 17, 2025

ATTENDANCE

Role	Name	Mac ID	Attendance (Yes/No)
Manager	Sanawar	javais7	Yes
Administrator	Chloe	junc1	Yes
Coordinator	Nehan	mohamn87	Yes
Subject Matter Expert	Kartik	peddadak	Yes
Subject Matter Expert	Elyssa	tamlie	Yes

AGENDA ITEMS

- State quantitative objectives, qualitative objectives and constraints with their metrics (Milestone 5.1)
- Restate present testing plan for all objectives and constraints (Milestone 5.1)
 - State and justify any changes made from the previous week
- Conduct testing plan for all objectives and constraints (Milestone 5.2)
 - Discuss results
- As a team, discuss the overall results of the testing plan (Milestone 5.2)
 - for each test (each objective and constraint)
- List personal contributions for that week towards the project (Milestone 5.3)

MEETING MINUTES

- Chloe and Elyssa discussed area on the 3d cup and bowl on changes
- Talking about maybe a handle for easier way to add and change materials
- As a group we talked about making the base and looking ahead into testing
- Nehan mentioned about changing the audio to have files with DF player mini instead of yes or no sounds
- Sanawar is looking into having larger buttons for kimberly to press and start cladding
- Kartik is looking to make changes to the sliding mechanism

POST-MEETING ACTION ITEMS

- Nehan - Begin researching effective testing plans and work on code
- Chloe and elyssa try to integrate cad with testing plan

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- Kartik, sanawar - look into different designs for platform and start looking at metrics

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MEETING WITH TEAM 20 -, Wednesday March. 19, 2025

ATTENDANCE

Role	Name	Mac ID	Attendance (Yes/No)
Manager	Sanawar	javais7	Yes
Administrator	Chloe	junc1	Yes
Coordinator	Nehan	mohamn87	Yes
Subject Matter Expert	Kartik	peddadak	Yes
<i>Subject Matter Expert</i>	Elyssa	tamlie	Yes

AGENDA ITEMS

- Work period for Milestone 5
 - Complete as much of Milestone 5 as we can

MEETING MINUTES

- Chloe and Elyssa discussed area on the 3d cup and bowl on changes
- Talking about maybe a handle for easier way to add and change materials
- As a group we talked about making the base and looking ahead into testing
- Nehan mentioned about changing the audio to have files with DF player mini instead of yes or no sounds
- Sanawar is looking into having larger buttons for kimberly to press and start cladding
- Kartik is looking to make changes to the sliding mechanism

POST-MEETING ACTION ITEMS

- Sanawar create cad buttons
- Nehan try to work on code
- Elyssa and chloe look into improving platform
- Kartik look at sliding mechanism again

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MEETING WITH TEAM 20 -, Friday March. 21, 2025

ATTENDANCE

Role	Name	Mac ID	Attendance (Yes/No)
Manager	Sanawar	javais7	Yes
Administrator	Chloe	junc1	Yes
Coordinator	Nehan	mohamn87	Yes
Subject Matter Expert	Kartik	peddadak	Yes
Subject Matter Expert	Elyssa	tamlie	Yes

AGENDA ITEMS

- Work period for Milestone 5
 - Complete as much of Milestone 5 as we can
- Start making presentation/script as well as design report
 - split up who is doing what

MEETING MINUTES

- Group is looking to assemble everything together to take pictures for report
- Breadboard is taking too much space, changes need to be made
- Acrylic platform is working really good
- Nehan said he will make changes to code for more accurate measurement
- sanawar said he will make changes to the button to make larger and more rigid
- Handle needs to be attached soon will be done by chloe and elyssa

POST-MEETING ACTION ITEMS

- Nehan do the measurement test at home
- Sanawar do cost efficiency test at home
- Kartik do simple design test
- Elyssa do durability test
- Chloe to easy to clean test

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MEETING WITH TEAM 20 -Monday, March. 24, 2025

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Manager	Sanawar	javais7	Yes
Administrator	Chloe	junc1	Yes
Coordinator	Nehan	mohamn87	Yes
Subject Matter Expert	Kartik	peddadak	Yes
Subject Matter Expert	Elyssa	tamlie	Yes

AGENDA ITEMS

- Work period for Milestone 5
 - Complete as much of Milestone 5 as we can
- Start making presentation/script as well as design report
 - split up who is doing what

MEETING MINUTES

- Nehan talked about doing a stress analysis test on autodesk inventor for durability
- Sanawar wanted to do a Cost analysis graph and look at cheaper models online
- Nehan wanted to compare our measurements with scale with a real scale
 - Try to be analytical if possible for accurate measurement
- Chloe will get cleaning agents and test both on cardboard and acrylic for easy to clean test
- Elyssa will conduct surveys with people at home
- Kartik will conduct surveys with people at home

POST-MEETING ACTION ITEMS

- Everyone as a group do presentation and project report