MILESTONE 2 (STAGE 1) – SENSOR RESEARCH (COMPUTATION SUB-TEAM)

Team Number:	Tues-26

Complete this worksheet individually before coming to Design Studio 14.

- Each team member is expected to research 3 types of sensors for characterizing bins
 - → Refer to Table 3 of the Computation Sub-Team Objectives document
- 2. For each sensor:
 - → Briefly describe how the sensor works
 - → Indicate the attribute you would measure to characterize each bin (refer to Table 4 of the Computation Sub-Team Objectives document)
- 1. Complete your sensor research on the following page
 - → Be sure to clearly write your Team Number, Name and MacID

At the beginning of Design Studio, we will be asking that you copy-and-paste the tables into the **Milestone Two Team Worksheets**. It does seem redundant, but there are valid reasons for this:

- Each team member needs to submit their sensor research with the Milestone Two Individual Worksheets document so that it can be graded
- Compiling your individual work into this Milestone Two Team Worksheets
 document allows you to readily access your team member's work
 - This will be especially helpful when completing Stage 3 of the milestone

	Team Numb	per: Tues-26
Name:	MacID:	
Sensor Type	Description	Attribute(s)

Sensor Type	Description	Attribute(s)

MILESTONE 2 (STAGE 2) – CONCEPT SKETCHES (MODELLING SUB-TEAM)

Team Number:

Tues-26

Complete this worksheet individually before coming to Design Studio 14.

- 1. Complete your sketch on a separate sheet of paper
 - → Be sure to clearly write your Team Number, Name and MacID
- 2. Take a photo of your sketch
- 3. Insert your photo as a Picture (Insert > Picture > This Device)

At the beginning of Design Studio, we will be asking that you copy-and-paste the same photos into **Milestone Two Team Worksheets**. It does seem redundant, but there are valid reasons for this:

- Each team member needs to submit their concept sketches with the Milestone
 Two Individual Worksheets document so that it can be graded
- Compiling your individual work into this Milestone Two Team Worksheets document allows you to readily access your team member's work
 - O This will be especially helpful when completing Stage 4 of the milestone

Team Number:

Tues-26

Name: Sana Khan MacID: khans288 Insert screenshot(s) of your refined sketch below Sketch With Rotary Actuator Slightly deep circular slots to had continers more sately dliving transfer but still depositable 0 0 Attached to the Big red males the hopper up and down sliding panel on the hopper 0 Slides to pull panel up and dawn to deposit containers Carved out 0 curves for better rotation avaut 0 0 0 0 00 Alternate view of part of the mechanism Rotary direction of rotation of the randle, the randle rad moves up a a bar linkage attached to allow it to and down flears attached to actuator to proper rotate rotation sana khan chansa88 01/20/21 TUES-26

^{*}For multiple sketches, please copy and paste the above on a new page

Team Number:

Tues-26

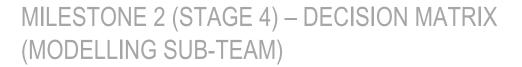
Name: Sana Khan MacID: khans288 Insert screenshot(s) of your refined sketch below Sketch with Linear Actuator Rails and bars
added to prevent
containers from
falling out during
transfer 00000 Nertical roditates and an become flat to allow povement of larger red to base plate (both sides) 000 Rounded carve under hopper to allow movement rungs. 0 0000 00000 0 0 View of Menanism When Actuator is NOT Extended Horizontal | extendable rod rotates and moves back and furth three bar linkage on both sides 3 bar linkude flattened to let the hopper come down Sana khan Khansa88 01/19/21 TUES-26

^{*}For multiple sketches, please copy and paste the above on a new page

MILESTONE 2 (STAGE 3) – SENSOR CHARACTERIZATION (COMPUTATION SUB-TEAM)

Team Number: Tues-26

Please complete this worksheet in your corresponding team document.



Please complete this worksheet in your corresponding team document.