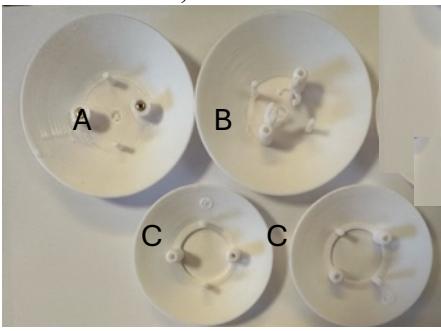
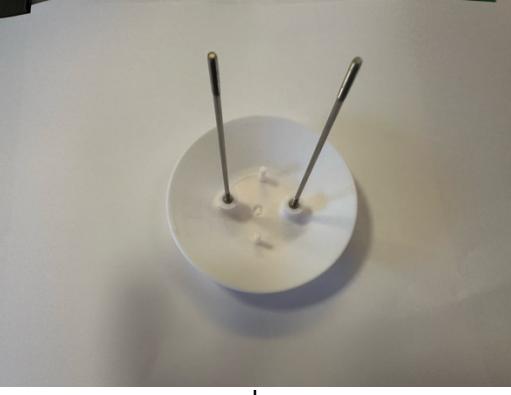
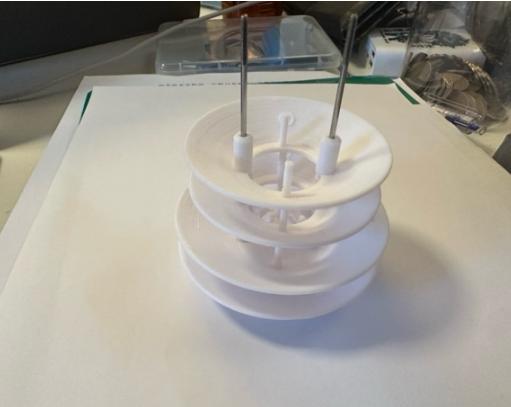


Section 2

Step	Part	Procedure
1	<p>Part A, B and C x 2</p>  <p>Threaded rod (thin one) x 2</p> 	<p>Fastening M2 rods (small one) into Part "A"</p>  <p>↓</p> <p>Slide Part "B" (the one center without hole) in</p>  <p>↓</p> <p>Slide two Part "C" in and set it aside</p> 

2

Part "F"



SHT40



Part "4"



Part "D"

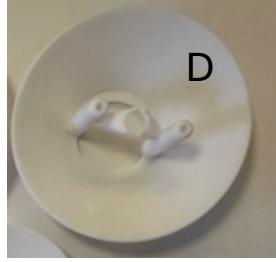
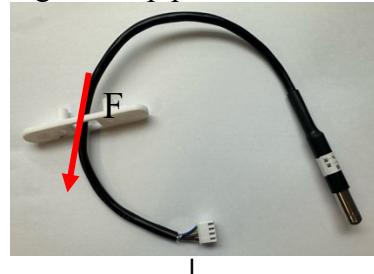


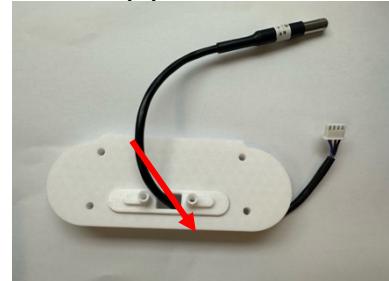
Plate nut x 2



Slide the white heat [4 pins] of SHT40 through the top part of the Part "F"



Slide the white heat of SHT40 through the top part of Part "4"

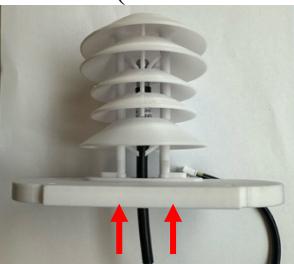
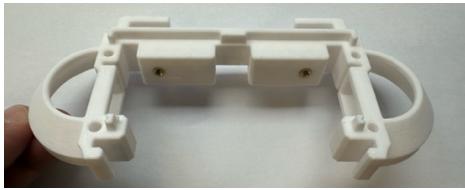
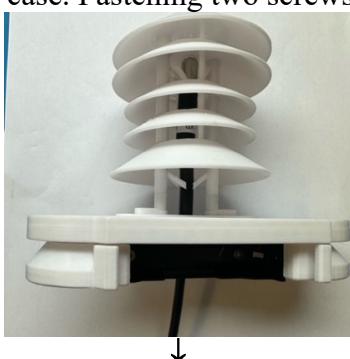


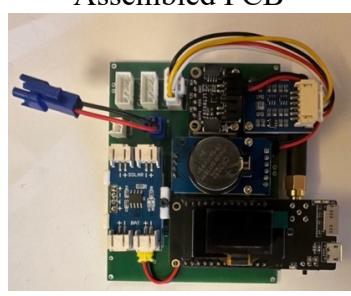
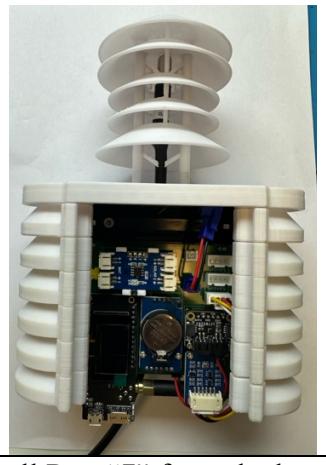
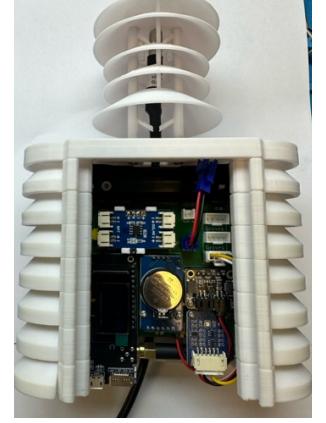
Slide the sensor head of SHT40 into Part "D"

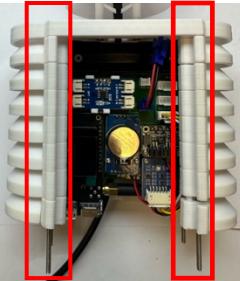
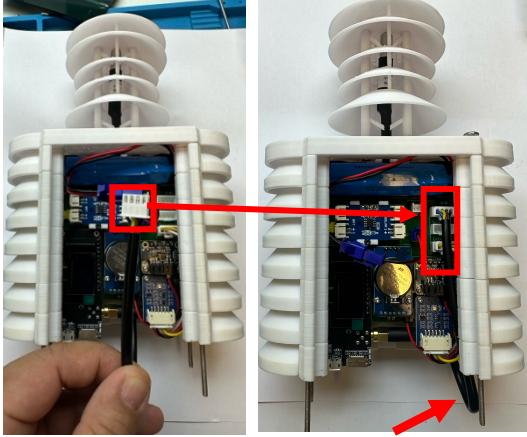


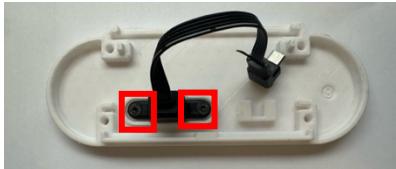
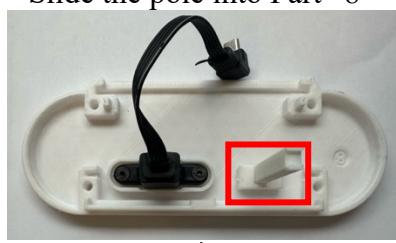
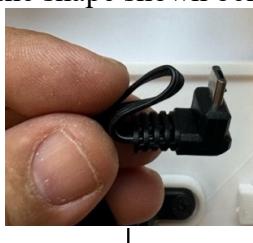
Push the thin part of SHT40 to the center of Part "D"



3		<p>Put both parts from step 1 and 2 together</p>  <p>↓</p> <p>Fastening the plate nuts from the bottom of Part "4" (See the arrows)</p> 
4	<p>Part "5" x 1</p>  <p>Hex screw x 2</p>  <p>Battery case</p> 	<p>Install Part "5" from the bottom</p>  <p>↓</p> <p>Make sure the SHT40 cable is under the battery case. Fastening two screws.</p> 

	<p>Part “6” x 5</p>  <p>Assembled PCB</p> 	<p>Install 5 pieces of Part “6” from the bottom</p>  <p>Slide the PCB in</p> 
5	<p>Part “7” x 1</p> 	<p>Install Part “7” from the bottom</p> 

6	<p>Threaded rods (thicker one) x 4</p>  <p>M3 Plate nuts x 4</p> 	<p>Screw the plate nuts to the threaded rods</p>  <p style="text-align: center;">↓</p> <p>Slide the rods from the top of the sensor box (all 4 rods)</p> 
7	<p>Obtain battery from table instructor</p> 	<p>Plug the battery into blue connector in the PCB and place it inside of the battery case</p>  <p style="text-align: center;">↓</p> <p>Plug in the white head [4pin] of SHT40 to the top right side plug [4pin]. Shift the cables to the right.</p> 

	<p>SD card</p> 	<p>Install SD card into Arduino (smaller side point upward)</p>  
8	<p>Part “8” x 1</p>  <p>USB cable</p>  <p>Hex screws x 2 (black)</p>  <p>Pole</p> 	<p>Place the USB cable according to the direction shown in the picture, and fasten the screws</p>  <p style="text-align: center;">↓</p> <p>Slide the pole into Part “8”</p>  <p style="text-align: center;">↓</p> <p>Squeeze the cable according to the shape shown below</p>  <p style="text-align: center;">↓</p> <p>Plug in the USB cable into Arduino</p>  

9

Door



Blind nut x 4



Slide the door from the bottom



Turn the bottom plate around and close the bottom



Fastening the blind nuts



Open the side lid and switch Arduino on with a hex key



The screen should be on



Congratulation! You have completed assembling the sensor box.