

Complete this worksheet as a group to plan and begin building your Project 3 design.

Submit your completed worksheets and memo electronically as requested by your instructor.

1. Plan and assign the tasks for building and testing your design using the Task Tracker worksheet (available at http://users.pfw.edu/barnesj/128Studio/Studio_ENGR128_TaskTracker.xlsx).

The completed Task Tracker worksheet will be evaluated against the following criteria:

- The primary person responsibilities for tasks have been divided fairly among the team
- The timeline for building, testing, and documenting the design is defined

2. Develop the *conditioning function* based on the design purpose and requirements decided last week. Use the Program Development worksheet from ENGR 128 Lab to plan and track the task (available at <http://www.etcspfw.edu/~moor/128/ResourceFiles/ProgramDevelopmentWorksheet.docx>).

The completed Program Development worksheet will be evaluated against the following criteria:

- The conditioning function is properly defined (problem statement, inputs, and outputs)
- The conditioning function is completed and validated

3. Develop the *analysis function* based on the design purpose and requirements decided last week. Again, use the Program Development worksheet from ENGR 128 Lab to plan and track the task.

The completed Program Development worksheet will be evaluated against the following criteria:

- The analysis function is properly defined (problem statement, inputs, and outputs)
- The analysis function is completed and validated

4. Write a memo documenting the plans for testing the desired operation of the application.

The memo will be evaluated against the following review criteria:

- The test plan will check that the application meets the design requirements
- The desired performance is documented in the test plan
- The collection of sensor data necessary to run the test plan is defined