

**Team 1817: Weekly Journal 1: 8/28- 9/10**

The Fall 2017 semester began on 8/28 and the senior design class met on both Monday 8/28 and Wednesday 8/30. Project preferences were submitted by the end of the week (9/1). Projects were assigned on Wednesday (9/6). The team met later that day, and contacted Necmi Biyikli who is our faculty advisor. Professor Biyikli provided the team with the contact information for our company contact, John Brower.

**Team 1817: Weekly Journal 2: 9/11-9/17**

The team met with Necmi Biyikli on Monday 9/11 and contacted John Brower at Hubbell. Necmi Biyikli provided his expectations of the team as a faculty advisor. After email correspondence with John Brower, the basic requirements were provided for the project. The team set up for a phone call with John on the following Monday to further discuss the project as well as give clarification on other points. The team then began researching existing temperature sensing technologies.

**Team 1817: Weekly Journal 3: 9/18-9/24**

The team had the first phone call with the company contact, John Brower. The requirements for the project were discussed as well as the expectations that the company has for the team. The team continued research into different temperature sensing technologies such as IR, RTD, and Semiconductor based devices. The team also began brainstorming ideas as to implement and test these technologies. A progress report was sent John at the end of the week.

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**Team 1817: Weekly Journal 6: 10/9-10/15**

The team continued research into existing temperature sensing technologies with a shift towards available components and the associated circuits necessary to work with them. A progress report was sent to John Brower due to no phone call for scheduling reasons. A call was scheduled for early the next week and the team continued to do research in preparation.

**Team 1817: Weekly Journal 7: 10/16-10/22**

The team had a phone call with our company contact. The team began to compile all of its findings into a comparison chart for better aid in selecting the technologies to continue with. The comparison was provided to the company along with a preliminary parts list. A call was scheduled for early the next week.

**Team 1817: Weekly Journal 8: 10/23-10/29**

The team had a WebEx meeting with the company contact and discussed further steps in the project. The team contacted the ECE department to discuss the process for ordering components. The team continued research into available components and compile that into a more comprehensive parts list for prototyping. The team also had its Design Review Presentation on 10/25 in which the the project was presented to a panel of professors. The project and progress were reviewed by the professors and questions were asked to help guide the team to a solution. A final parts list was sent to John Brower for approval before the team set to order parts.

**Team 1817: Weekly Journal 9: 10/30-11/5**

The Team completed their Project Proposal. We have had our parts list submitted to Hubbell and approved. The prototyping parts have been ordered.

**Team 1817: Weekly Journal 10: 11/6 - 11/10**

The Team is still waiting on parts to come in. We have submitted documents for review before posting them on our website. Edits have been made to accommodate public posting of our documents.

**Team 1817: Weekly Journal 11: 11/13-11/19**

The team began looking into other methods to test and evaluate the sensors ordered. The team also began to familiarize themselves with PCB layout software for future use in the project. The parts were delivered at the end of the week.

**Team 1817: Weekly Journal 12: 11/20-11/26**

This week was Thanksgiving break so no one was on campus. The team began preparing for the final presentations and reports of the course. The code for testing was worked on and components were separated to be built and tested upon return to campus.

**Team 1817: Weekly Journal 13: 11/27-12/3**

The team returned to campus and continued preparations for the presentation on Wednesday 11/29 where the sponsor was in attendance. The continued work on the final report. Testing and debugging of circuits was performed to ensure an accurate testing setup.

**Team 1817: Weekly Journal 14: 12/4-12/10**

The team finalized and submitted their final report to their faculty advisor Necmi Biyikli. The team worked to ensure all parts ordered were working properly and have been looking at possible code modifications for each sensor being used.