# Week-6 Diary

## Student Details

**Name:** Amartya Pandey

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**PS Instructor:** Prof. P. Srinivasan, Prof. Arun Kumar Jalan, Prof. Jabez Christopher

Week: 6th (21st June-24th June,2020)

Plan for the Week: (what was your plan for this week in terms of learning and project objectives)

1. Assembling all the parts which I bought for the project.
2. Learning how to solder.
3. Testing the device.
4. Preparing and submitting Final Seminar and Project Report.

## Learning Outcomes of the Week

### About the PS 1 Station

1. Powerplant of Adani Power in collaboration with UPCL Udupi is the first independent power project which uses 100% of imported coal as fuel in the country.
2. It has been awarded with many prestigious awards due to its new innovations.
3. Our Project mentor Dr. Rajeevkumar Mistry is the HOD of APTRI Udupi branch and Mr. Aravind Kamath and Mr. Pradeep Kumar work under him.

### About the Project Domain

1. This project can be considered as a sub-part of IoT sector and can be dealt with that approach in an efficient manner.
2. Addition of new sensor and incorporation of communication modules will make this device more efficient and faster.
3. Studying the domain of “Embedded systems and Hardware” will also help in developing this project even further.

## Skills Gained (Technical as well as soft skills)

1. Soldering small parts together.
2. Assembling Electronic parts and making circuits.
3. Presentation skills and Report Writing Skill
4. Critical Thinking skills and Concept Application skills.

## Major Learning & Project Milestones

1. I came to know how to debug complex codes in a programming language.
2. I came to know about various challenges a person faces while they are preparing something for the first time on their own.
3. I got to work with Arduino Serial Monitors and preparing a database from the monitor.
4. Main Milestone: Completed the project assigned successfully in the electronics domain.

## Major Challenges

1. Preparing the whole project (Hardware and Software) and writing the report and giving presentation in 6 weeks was a huge challenge which we were able to overcome with the help of our Mentors and Instructors.
2. Coordinating with Mentors and my Project partner virtually over the phone and video conferencing was also a challenge.
3. Working in the Electronics domain without any prior knowledge also proved to be challenge.

## Work Plan for Next Week

1. Although, the PS-I is ending this week, I plan to continue this project which I undertook.
2. I would try to develop it even further as I believe that the project will prove to be a major aid in overcoming the global pandemic such as COVID-19.
3. I also plan on taking some MOOCs which will help me even further on this journey.

**THANK YOU**