# **Diary**

## Student Details

Name: Amartya Pandey

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## PS Instructor: Prof. Arun Kumar Jalan, Prof. P. Srinivasan

Week: 4th (8th June-13th June,2020)

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

1. Brushing up my skills to write sketches.
2. Submitting mid-semester report.
3. Writing and submitting a report for Industry mentor
4. Learning how to draw circuit diagrams.

## Learning Outcomes of the Week

### About the PS 1 Station

1. Adani Green recently grabbed a $6 Billion deal for making a solar farm which will provide green energy and jobs to thousands of people.
2. Adani power a subsidiary of Adani group is India’s largest private sector thermal power producer. It has also started a 40 MW solar powerplant in Gujrat to promote sustainability.
3. Adani Power has research and training institutes called APTRI all over India to train students about the industry.

### About the Project Domain

1. Simulation is required before testing a sketch on hardware.
2. This helps in prevention of any physical damage to the board caused by run time errors.
3. Sensors have to be tweaked(adjusted) before using to get desired results.

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

1. Learning how to use GitHub for creating repositories and getting useful codes.
2. Writing a report, format, font, content, etc.
3. Accounting for my errors and being responsible enough to rectify them when pointed out by an expert.

## Major Learning & Project Milestones

1. Understanding and comprehending “Arduino” pin diagrams.
2. Checking compatibility of hardware with each other.
3. Getting the hardware required for the project which works error-free.
4. Preparing an outline of the code required in the project.

## Major Challenges

1. The unavailability of hardware makes it hard to test the programs(code) written.
2. Due to lack of experience, I faced some difficulty writing sketches.
3. Getting a good simulation software which was easy to use and understand was hard to find.

## Work Plan for Next Week

Next week starting 13th June:

1. I must use the simulation software to test the circuits.
2. Getting the hardware for the project is still a challenge in this lockdown. So, We have to try and get it by somewhere.
3. I must also submit a report to the industry mentor for evaluation.
4. So, the next week is basically about simulating the project, writing the new codes and getting the hardware.