

# Diary

## Student Details

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PS Instructor: NOEL PRASHANT RATCHAGAR

Week: 1/06/20 to 07/06/2020

### Plan for the Week:

1. Prepare a presentation on wireless video data transmission.
2. Researching on various technologies used today for wireless video transmission, may it be through Internet or may it be over LAN.
3. Find different technologies and compare them.

## Learning Outcomes of the Week

### About the PS 1 Station

1. Eclipse's Research Team is very hardworking and is focused on innovating better and safe technologies. It motivated me a lot to learn new things.
2. They use optical zoom camera in Operation Theatre Lights and they are trying to reduce its bandwidth.
3. They are moving from wired transmission to wireless transmission of video data used in camera of Operation Theatre Lights.

### About the Project Domain

1. Different technologies used in wireless video data transmission.
2. Learned a lot about OFDM Technology and Video Over WiFi or Links.
3. Sort out the different devices according to our need (based on latency, range, cost, reliability, ease of use , etc).

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

1. How to read a research paper and extract valuable and desired information.
2. Ability to extract relevant information from vast information available online as well as material given by mentor .
3. Microsoft Powerpoint-How to make flowcharts and figures.

### Major Learning & Project Milestones

1. Corporate presentations are highly content and data driven, much more than the ones we make as course requirements in our college.
2. Understood what a good presentation is and discovered new techniques to make flowcharts and diagrams.
3. Learnt about the wired and wireless transmission of data.

### Major Challenges

1. Learnt to read a research paper about wireless video transmission .
2. Doing project with virtual interaction with mentors and teammates was a bit challenging.
3. Getting a Feedback from mentor was a challenging task.

### Work Plan for Next Week

Find and analyzing the modifications of the devices of wireless video data transmission to the Operation Theatre Camera system used in the company.