

# INTERNSHIP WEEKLY REPORT

## WEEK FIVE

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### Introduction

Device Discovery was the main task this week. I had tried it in the previous week but I was not able to complete it. Hence this week I tried to complete it. The logic is to maintain topics which give the current status of the device whether it is connected or not. I was able to do it. But the work is crude.

### TASKS

- In device discovery the basic aim is to know the status of other devices before sending data over. [\[Github\]](#)
- If we don't know the status and send data, it will be lost in between.
- To do this the basic logic is to have topics where everyone publishes their status and subscribe to it.
- So on connecting every device must publish their status of connected to respective topic.
- And before sending data one must subscribe to that topic to get the receiver's status.
- Also just before disconnecting everyone must change their status to disconnected.

### Problems

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- Due to a family emergency I was on leave for some days. Since I was finding it hard to solve this task I tried it in [python](#).