

## **Tweet-Photo-With-Pi (IoT & Social Media)**

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### **Abstract**

“Tweet-Photo-With-Pi” is a project inspired by the concept of photobooth. “Tweet-Photo-With-Pi” provides users with the option to take a picture using a camera connected to the Raspberry Pi (A) with LED lights replicating the photobooth lights to be switched on or off on Raspberry Pi (B).

Feature control will be accessible via LocalHost, enabling users with the option of a button interface to take a picture and control the light to preference. After a photo is taken, the photos will then be straight uploaded to Twitter.

A diagram depicting the flow of integration is attached to Annex 1 in the Appendix.

### **Expected Goal**

- “Tweet-Photo-With-Pi” is able to enable users to interact with both the functionality (1) Taking of an image and (2) Controlling of lights residing on two different Raspberry Pi on a single interface- LocalHost
- “Tweet-Photo-With-Pi” is able to upload images taken to Twitter

### **Working Schedule (Proposed Timetable)**

|         |               |  |
|---------|---------------|--|
| Week 07 | 28/02 - 04/03 | Work on Proposal Project   |
| Week 08 | 07/03 - 11/03 | Project proposal   |
| Week 09 | 14/03 - 18/03 | Work on Project Development (Goal - Final Product)<br>Estimated: 40-60% Working Prototype                      |
| Week 10 | 21/03 - 25/03 | Work on Project Development (Goal - Final Product)<br>Estimated: 60-90% Working Prototype                      |
| Week 11 | 28/03 - 01/04 | Work on Project Development, Touch up (Goal - Final Product)<br>Estimated: 90-100% Working Prototype           |
| Week 12 | 04/04 - 08/04 | Work on network diagram using Cisco Packet Tracer<br>Touch up Project Development<br>Poster and 5-minute video |

### **Work Distribution**

The team has distributed the workload equally, ensuring every individual has touched an equal percentage on each item deliverables.

Project proposal

- One-page project proposal

Final product

- Source code

Poster and 5-minute video

- Network diagram using Cisco Packet Tracer
- Video blog (Optional)

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### Appendix

#### Annex 1

