



University of Cebu
College of Computer Studies
Cebu City

Customer Validation Board



Ardu-Illuminate: The Arduino Answer to an Efficient Lighting Management System among households and Industries.

Jeremy Andy F. Ampatin

Track Pivots	Start	1st Pivot	2nd Pivot	3rd Pivot	4th Pivot
Customer Hypothesis	Chicken Incubation Farmers	Energy-conscious Individuals			
Problem Hypothesis	High Energy Consumption on the incubator bulbs used	Inefficient use of Light Bulbs resulting to high electricity bill			
Solution Hypothesis		Propose an arduino system and app that can remotely control the light bulbs and monitor the consumption			

Design Experiment

Individual who forgot to turn off their lights

High Energy consumption on commercial bulbs

Energy ignorant individuals

Indolent Individuals

Riskiest Assumption

Indolent Individuals

Method

Survey

Minimum Success Criterion

70% passing rate of the survey questionnaire

Results

Invalidated		Validated	
1	2	1	2
		Indolent Individuals	Energy Ignorant Individuals
3	4	3	4
		High Energy Consumption on commercial bulbs	Individual who forgot to turn off their lights
5	6	5	6

