## Introduction:

Now that you have completed going through the first module of the course, it's time to test what you have learned, with an assignment, and what could be better than to use your knowledge to make someone's (more specifically a plant's) life a little better.

Since you have only been through the first module, this assignment will be quite easy. Do note that the future project will be progressively more difficult.

## Real-World Scenario:

If you remember from our discussion earlier, Mr. Nigel is an avid gardener, and he loves his plants. While Mr. Nigel always had an interest in gardening, he was not always very good at it. In fact, there was a time when the plants that he raised used to wither away within a few weeks of being potted.

With the help of the Bolt IoT module and a little handy work, he was able to set up a light monitoring system to find out whether his plants were getting enough sunlight or not, and figure out how to best place his plants so that they receive the best levels of sunlight. He even thought some of his friends how to use the system that he made.

## Objectives:

These are the objectives of the assignment.

1. Set up a light monitoring system using the Bolt, and place it near a plant.
2. Ensure that the Bolt WiFi module is powered up, and has a wifi connection. You might want to use a power bank or a power supply extension along with an Android charger.
3. Have the system log data points for about 1 day, and check when the plant get the maximum and minimum amount of light.
4. Download the data, from the device view page, and plot the graph for this data in an excel sheet.
5. Have your gardener, grandmother, parents, friends or anyone who is into gardening to create an account on Bolt Cloud.
6. Share your Bolt device with them via the Bolt Cloud, and have them view the light intensity data.

## Submitting the Assignment:

This assignment is meant for self-study, and you do **NOT** need to submit anything as a part of this assignment.