

EECS 1011

Minor Project Report

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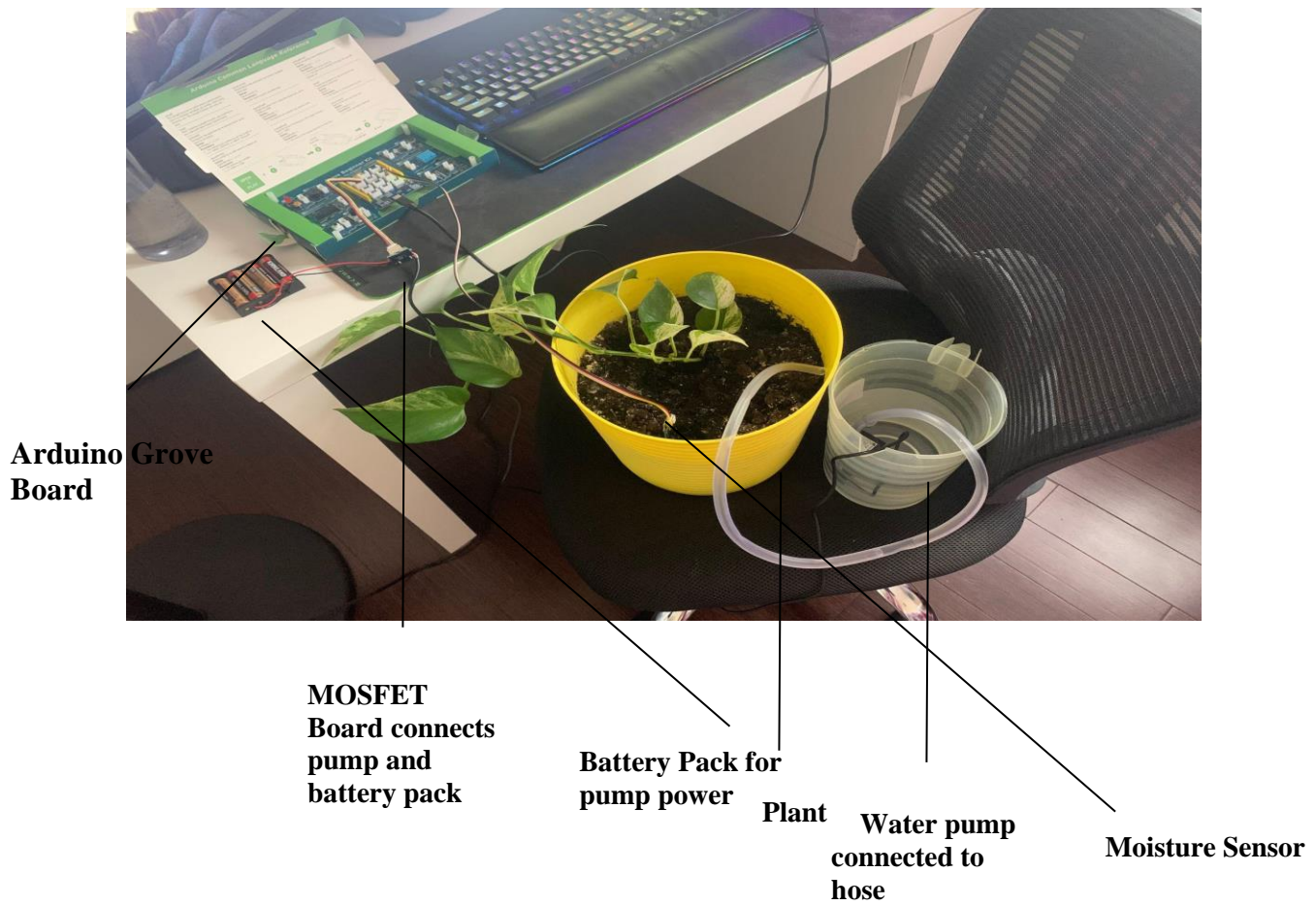
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Abstract:

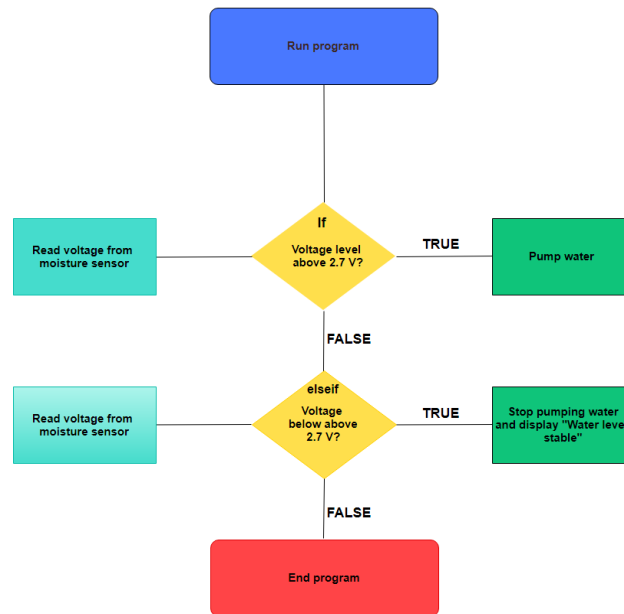
INTRODUCTION: This is the Minor Project of EECS 1011, which involves the usage of MATLAB and Arduino hardware to water a plant. **OBJECTIVES:** There are three components to be connected including moisture sensor, water pump and arduino grove board, these three components will work together and communicate with each other when the plant receives enough moisture. **SOLUTION:** All components were connected and individually tested to ensure the final product is functional. **RESULTS:** After connecting the components, the plant was successfully watered and water level was stopped when there was enough moisture.

Labelled setup



Plant and hardware setup shows all the components connected together to make the Minor Project function according to the guidelines.

Flow chart:



Annotated graph of soil moisture: wet and dry conditions

