HARDWARE UNIT TESTS REPORT - IOT PROJECT SMART GARDEN

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Hardware name** | **Test results** | **Test code** | **Video** |
| 1 | capacitive soil moisture sensor | Measured dry and wet soil. Values were as excepted, dry – ~4000 , humid - 2000-4000, wet - ~1800. | [Our git repo](https://github.com/YaelChubar/W25_Smart_Garden_IOT/tree/main/UnitTests) | Our Drive |
| 2 | RGB LED (Light sensor) | Measured different light intensities.  Values range – 0 (Direct light) to ~1500 (Dark). |
| 3 | DHT11 temperature / humisity sensor | Measured Temperature and himudity. Humidity values range – ~60 (dry) to ~90 (humid). Temprature – 16 to 25. |
| 4 | water level sensor (on/off) with float | **Problem:**  No indication for on/off.  We believe that the HW is faulted. We informed our instructor. |
| 5 |  |  |  |  |