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PROGRESS REPORT

PROJECT SUMMARY

REPORT DATE	PROJECT NAME	PREPARED BY
1/8/2018	Is it Moist	Vivek Socrates

STATUS SUMMARY

"Is It Moist" sensor is currently in prototype form. Sensor is assembled, operational. Moisture is detected, and user is notified. Currently needs further testing.

PROJECT OVERVIEW

TASK	PROGRESS	NOTES
Acquiring Components	100%	All essential items received.
Component Testing	100%	All required materials tested and functioning correctly.
Assembly	100%	Product assembled and build video documented.
Function Testing	90%	Product tested and functioning.
Prototyping	100%	Prototype created and functioning.
Case Testing	50%	Testing various use cases for product and collecting data.
Finalizing	75%	Applying minor adjustments to hardware and software.
Documentation	85%	Awaiting finalization to complete and publish documentation.

BUDGET OVERVIEW

CATEGORY	SPENT	BUDGET	NOTES
Base Components	$ 119.23	79.49 %	All items received on schedule.

CHALLENGES

ISSUE	PLAN / SOLUTION
Calibrating Analog to Digital Sensor Signal	Potentiometer of Analog-Digital sensor needs further calibration to trigger at desired moisture level.
Products Software Status Response Time	Software currently checking for sensor status change too frequently. Measurement time needs to be configured for increased precision.

CONCLUSIONS / SUBSEQUENT PLANS

"Is it Moist" prototype is currently operational and is in testing to calibrate hardware and software for increased precision. Plans subsequent of finalizing project "Is it Moist" involve integration with project "RaspiGuard" which is targeted toward home/commercial security.