

# Project Proposal

**Date:** 1/2/2024

**Project Name:** Development of Plant Monitoring (Smart Grow Controller)

**Estimated Delivery:** 12 Days or less.

Task Name		Estimated Time (Days)	Price
1	<b>Initial Task</b> <ul style="list-style-type: none"><li>▪ Circuit analysis</li><li>▪ Components selection</li><li>▪ System block diagram</li><li>▪ Circuit connection diagram</li></ul>	2 Days	\$50
2	<b>System Setup and Installation</b> <ul style="list-style-type: none"><li>▪ Raspberry Pi setup</li><li>▪ Home Assistant installation</li><li>▪ Dashboard design</li><li>▪ Backend development</li></ul>	1 Day	\$50
3	<b>Sensors Integration and Programming</b> <ul style="list-style-type: none"><li>▪ Air pressure</li><li>▪ Humidity</li><li>▪ Air temperature</li><li>▪ CO<sub>2</sub></li><li>▪ Soil moisture</li><li>▪ Soil temperature</li><li>▪ BOD pH Wert</li></ul>	4 Days	\$200
4	<b>IO Integration</b> <ul style="list-style-type: none"><li>▪ Display device number</li><li>▪ Electricity meter</li><li>▪ Rotary control</li><li>▪ ON/OFF switch</li><li>▪ Lighting systems</li><li>▪ Contact switch</li><li>▪ Rotary motor</li><li>▪ Electricity control switch and meter</li></ul>	3 Days	\$150
5	Camera module installation, interfacing and programming	1 Day	\$100
6	Project finalization, test and delivery	1 Day	No extra charge
7	<b>Project Revision (If required)</b> <ul style="list-style-type: none"><li>▪ Debugging</li><li>▪ Optimization and others</li></ul>	-	No extra charge
		Sub-total cost	\$550
		Extra charge	\$0
		<b>Total</b>	<b>\$550 (USD)</b>

## Proposed By

Zahid Hasan

Automationtutor (Fiverr)

*[codewithzahid.github.io](https://github.com/codewithzahid)*