

Design Decision Table

Choice of Microcontroller	Arduino Uno	Widely Used Board that can support all sensors and outputs for this project
Sensors	DTH11	Selected for measuring environmental conditions around the plant. Needs to monitor the temperature every few minutes.
	3.3V 5V Soil Humidity Hygrometer Sensor Module Moisture Detect Cable for Arduino	
	Photoresistor (Photocell)	Measure light intensity
Input	????	
Output	RGB LED	Provides a quick, color-coded indicator of plant status
Power	9V Battery	
Size	No bigger than a phone	

## Block Diagram:

