



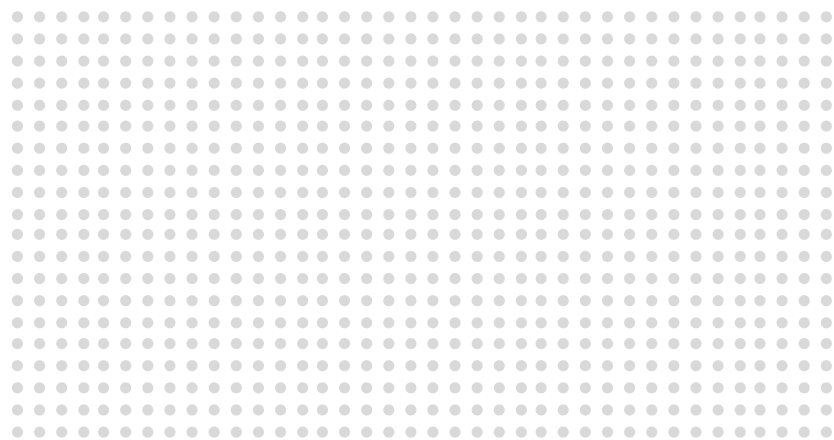
# **SELF WATERING PLANT DEVICE**



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# background

self watering plant device is a device that  
can moisturizing plant automaticly with soil  
moisture sensor



# Tools & Materials

## Tools

- Solder
- Saw
- Glue gun
- laptop

## Materials

- Esp Wemos
- Cable
- Soil moisture sensors
- Tin
- Pump DC
- DC Stepdown
- Battery

# Step by Step Making the Device

**01.**

Prepare Tools &  
Materials

**02.**

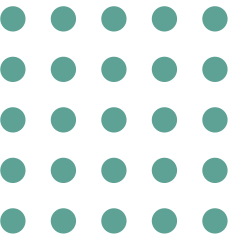
Assemble all the  
Materials/components  
with the tools

**03.**

Coding the Esp  
Wemos with laptop

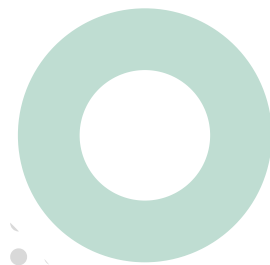
**04.**

Trying the device  
and make sure it  
works



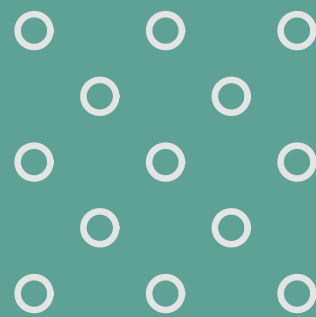
# How It Work

01. Sensors read moisturize level of soil
02. Show the persentase of soil moisture on LCD screen
03. When the soil moisture is detecting the soil is dry then the pump will turn on
04. When the soil moisture is detecting the soil is wet the the pump will turn off





# Device Appearance





# Video Example





**Thank you**