

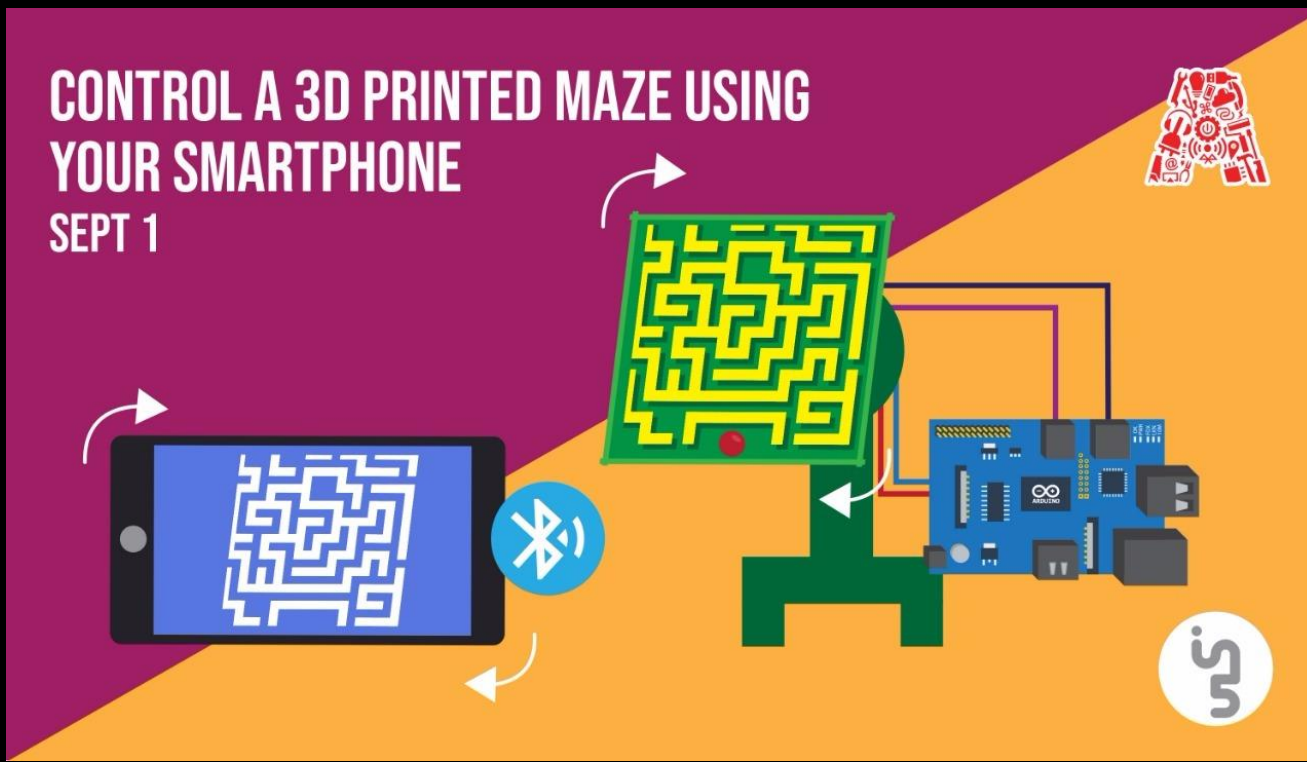


# CONTROL A 3D PRINTED MAZE USING YOUR SMARTPHONE

SEPT 1



COMMUNITY  
INNOVATION  
WORKSPACE



Presented By:

The Assembly Team

Wifi:- In5-Tech

Pass:- WelcomeToIn5

تركيب

THEASSEMBLY

MAKE | SMART | THINGS

@ MakeSmartThings THEASSEMBLY.AE



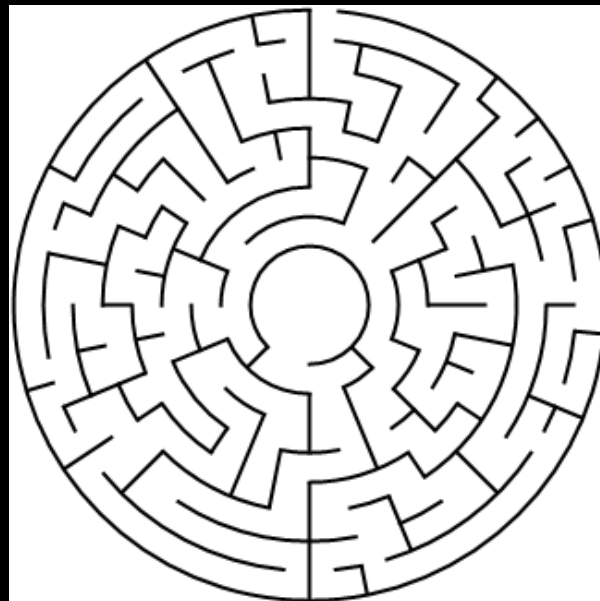
# Demo



تركيب

THEASSEMBLY

MAKE | SMART | THINGS



تركيب

THEASSEMBLY

MAKE | SMART | THINGS



# Objective

- Learn how to Use an Arduino
- Learn how to Interface bluetooth module with Arduino
- Learn how to make an app that includes motion control

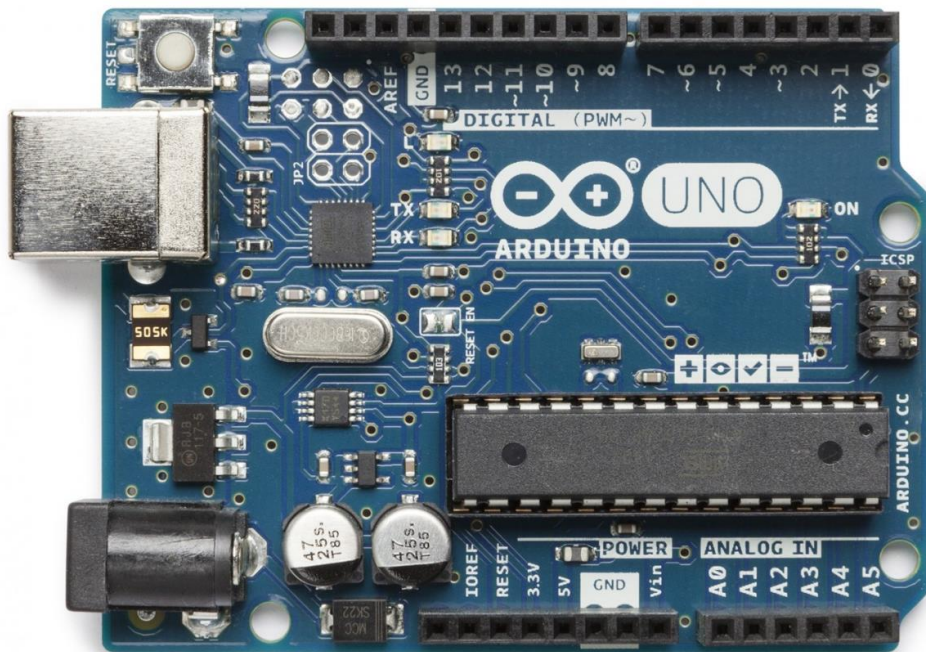


# Introduction to Components

تركيب

**THEASSEMBLY**

MAKE | SMART | THINGS



تركيب

THEASSEMBLY

MAKE | SMART | THINGS



تركيب

THEASSEMBLY

MAKE | SMART | THINGS



تركيب

THEASSEMBLY

MAKE | SMART | THINGS





COMMUNITY  
INNOVATION  
WORKSPACE

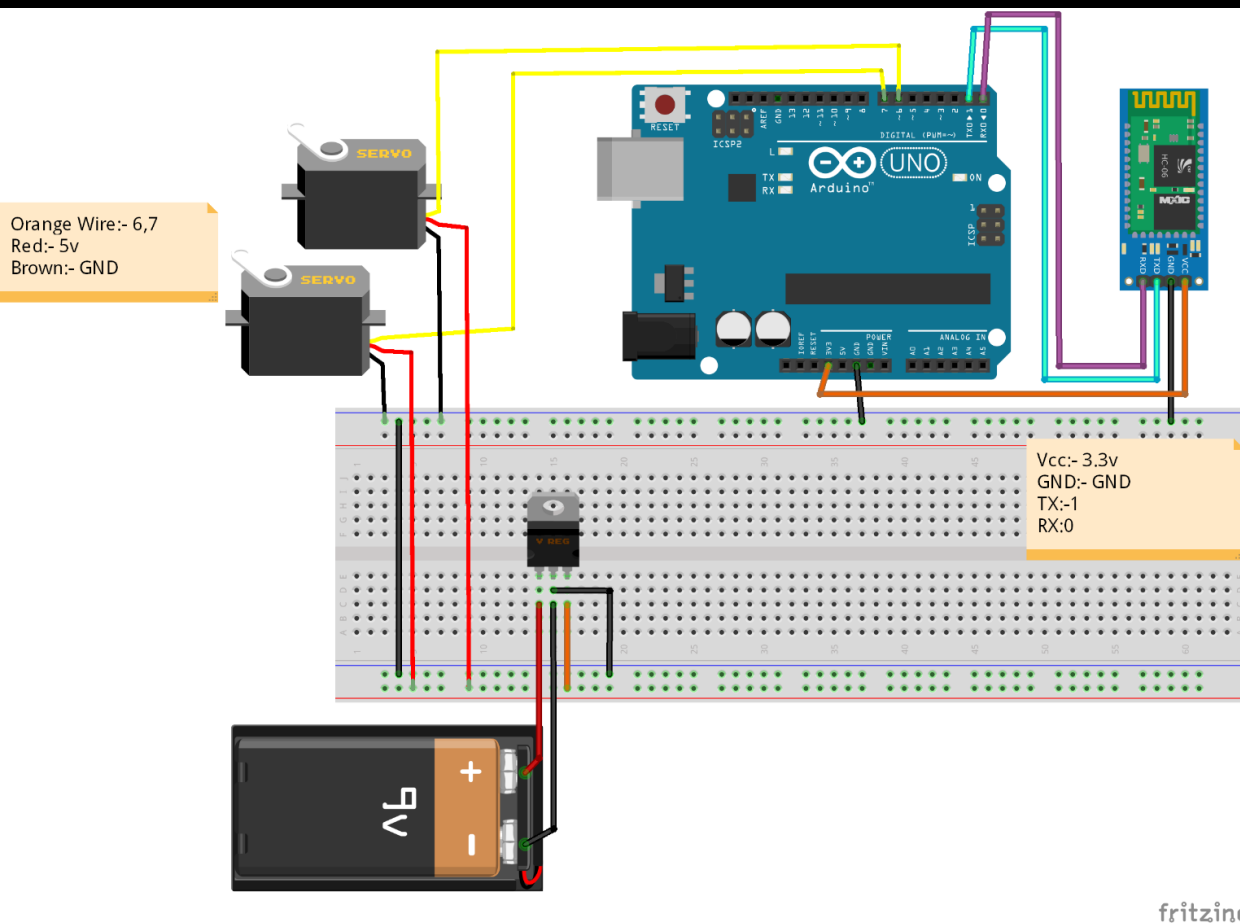
# Let's Get Started!!!!

تركيب

**THEASSEMBLY**

MAKE | SMART | THINGS

@ MakeSmartThings **THEASSEMBLY.AE**





COMMUNITY  
INNOVATION  
WORKSPACE

# Coding

تركيب

THEASSEMBLY

MAKE | SMART | THINGS

@ MakeSmartThings THEASSEMBLY.AE



- Visit (<https://github.com/The-Assembly/Control-a-3D-Printed-Maze-using-your-Android-Device>) and download the folder.
- Download the VarSpeedServo library from Include the library in the Arduino/libraries folder
- Upload the maze.ino file to Arduino
- Download MIT AI2 companion app from play store
- Visit (<http://appinventor.mit.edu/explore/index-2.html>), sign up and import the maze.aia project
- Build the project and scan the QR code through the MIT AI2 app.



Connect to the bluetooth module  
and control the maze via your phone !!

تركيب

THEASSEMBLY

MAKE | SMART | THINGS



# THANK YOU

COMMUNITY  
INNOVATION  
WORKSPACE

**TAG US ON OUR SOCIAL MEDIA**



**The Assembly**



**@MakeSmartThings**



**MakeSmartThings**



**The Assembly**

ترکیب

**THEASSEMBLY**

MAKE | SMART | THINGS