

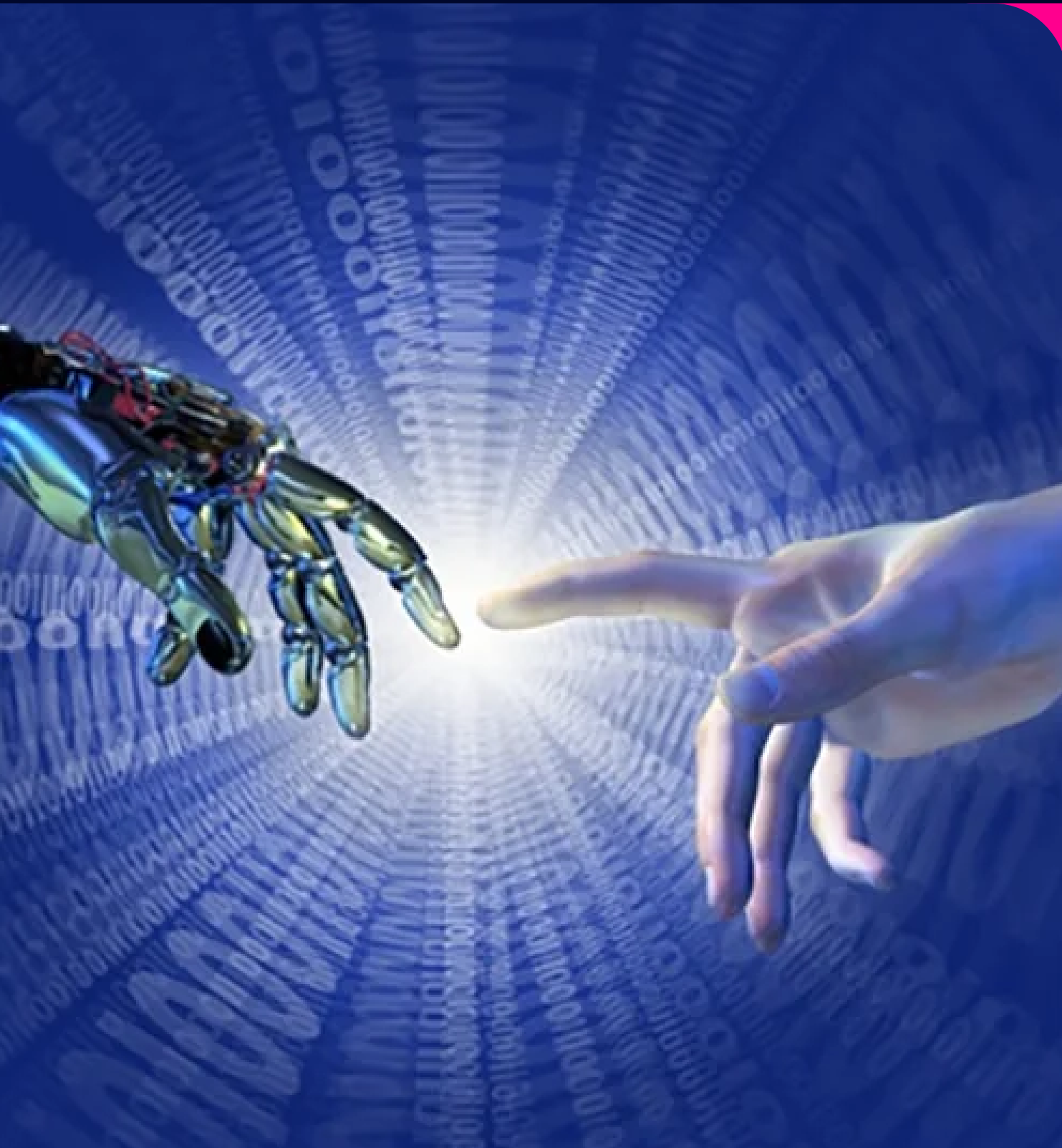
HAND GESTURE CONTROLLED ROBOTIC ARM

Creative and Innovative

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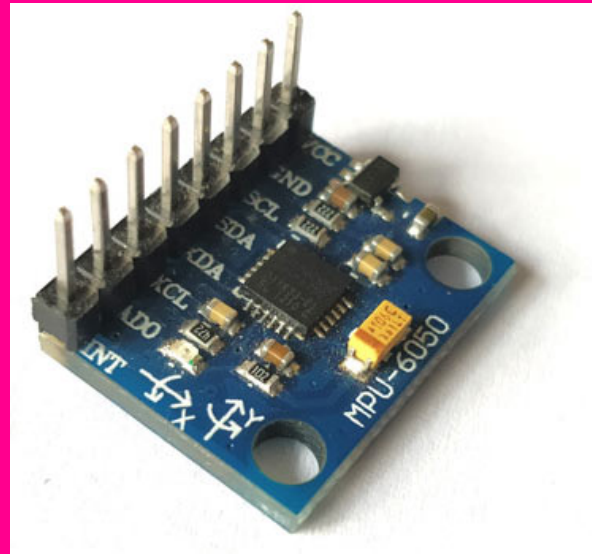


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MAIN IDEA

Robotic arms are one of the exciting engineering creations, as human workers in manufacturing and industry in general have been largely replaced by robots and automated machines in recent decades, but there are still many tasks where human thinking is needed.



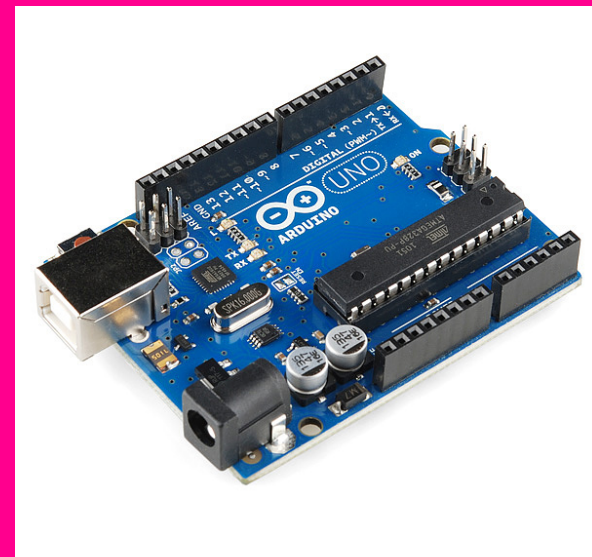
**MPU6050 Gyroscopic
& Accelerometer
Sensor**



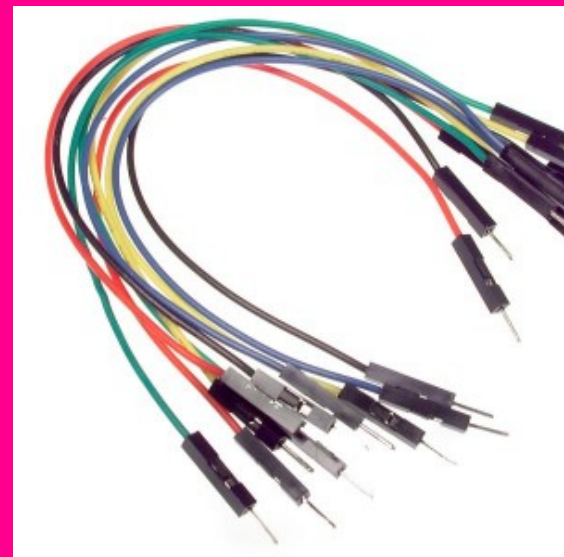
Connecting Wires



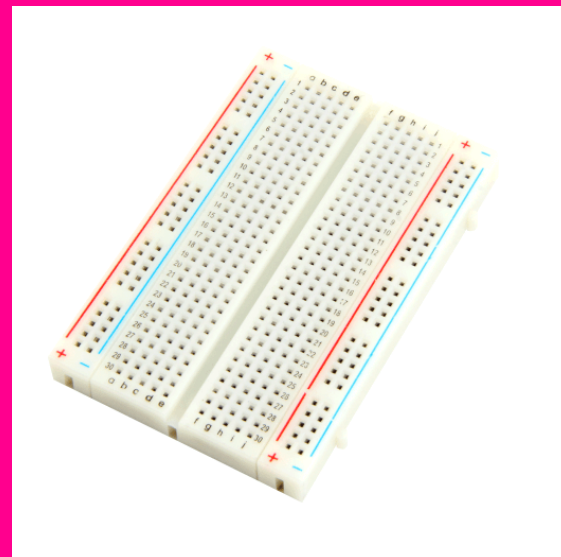
**3D printed Robotic
ARM**



Arduino UNO



Connecting Wires



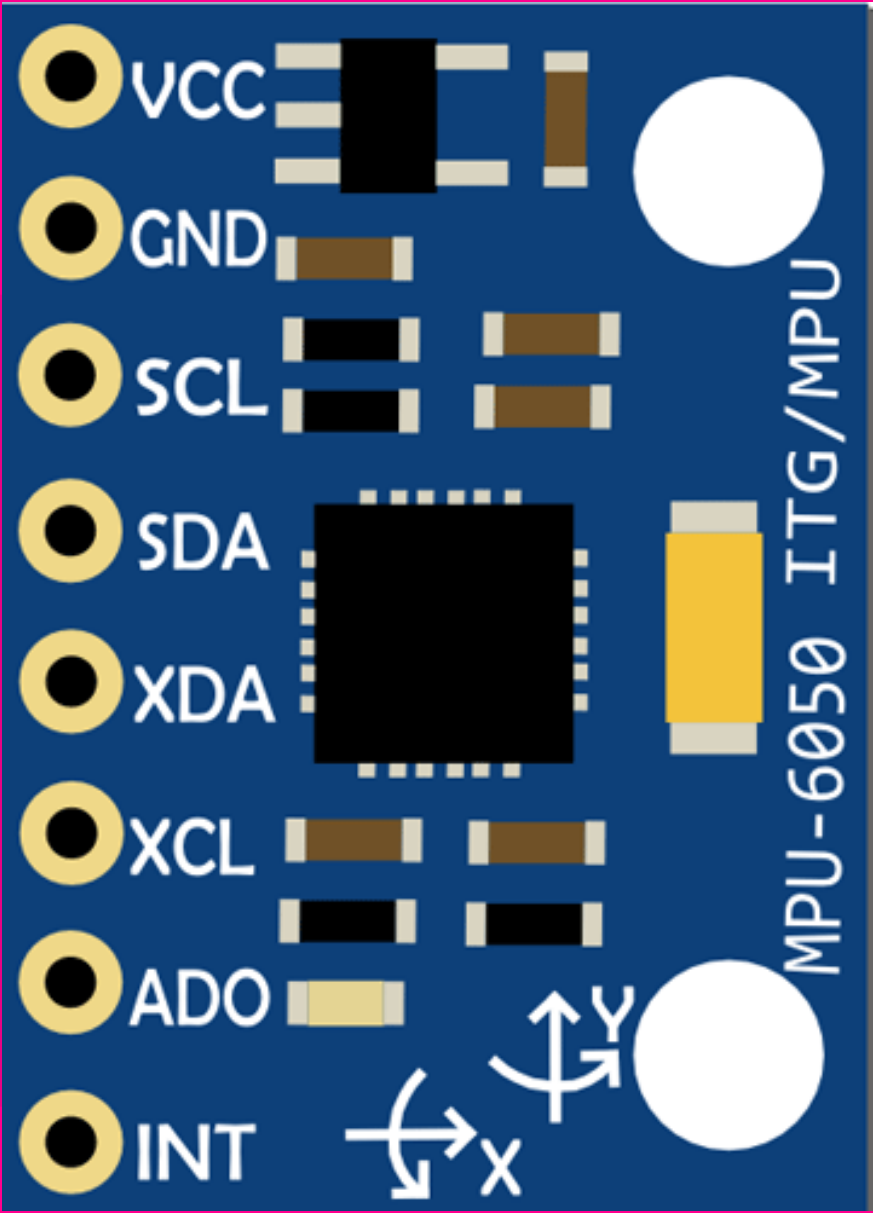
Breadboard

COMPONENTS REQUIRED:

- Arduino UNO
- Flex Sensor
- 10k Resistor
- MPU6050
- Hand Gloves
- Connecting Wires
- Breadboard

CIRCUIT CONNECTION
BETWEEN MPU6050 &
ARDUINO UNO:

D2	Servo 1 Orange (PWM Pin)	-
D3	Servo 2 Orange (PWM Pin)	-
D4	Servo 3 Orange (PWM Pin)	-
D5	Servo 4 Orange (PWM Pin)	-
GND	Servo 1,2,3,4 Brown (GND Pin)	GND
-	Servo 1,2,3,4 Red (+5V Pin)	+5V



THANK YOU

