

Arduino Robo-Car : Circuit Connections

Table 1: Connection with L298N motor driver and Motor A and Motor B:

L298N Motor Driver	Motors
OUT1	Motor A
OUT2	Motor A
OUT3	Motor B
OUT4	Motor B

Table 2: Connection Table for Arduino and L298N motor driver:

Arduino Uno	L298N Motor driver
D10	ENA
D9	IN1
D8	IN2
D7	IN3
D6	IN4
D7	ENB

Table 4.3.3: Connection Table for Arduino and HC-05 Bluetooth Module:

Arduino	HC-05
D2	TX
D3	RX
5V	VCC
GND	GND

Table 4.3.4: Connection Table for Arduino and Left IR and Right IR sensor:

Arduino	Left IR	Right IR
5V	VCC	VCC
GND	GND	GND
A4	OUT	
A5		OUT

Table 4.3.5: Connection Table for Arduino and Ultrasonic sensor:

Arduino	SC-SR04 sensor
A2	ECHO
A3	TRIG
5V	VCC
GND	GND

Table 4.3.6: Connection Table for Arduino and IR Tracker Sensor:

Arduino	Tracker sensor
A0	OUT2
A1	OUT4
5V	VCC
GND	GND

Table 4.3.5: Connection Table for Arduino and ESP32-CAM:

Arduino	ESP32-CAM
5V	5V
GND	GND

Table 4.3.5: Connection Table for Arduino, L298Motor driver and Battery:

Arduino	L298N	Battery
V _{in}	12V	+ve
GND	GND	(-) ve