

Graduation Project 2022 (FCI-CU)

Project title: IoT Based Health Monitoring System With Medicine Box

Data Sheet for component of Graduation Project:

Component Name	Component ID	Price Range (No.Peices)
Arduino Uno R3	UNO R3 Board	350 ~ 400 EGP (1)
Battery 6V	N/A	100 ~ 180 EGP (1)
NODE MCU	ESP8266	180 ~ 200 EGP (1)
Servo Motor (DC or AC)	SG-90	180 ~ 200EGP (2)
DC Motor	With Wheel	85 ~ 120 EGP (4)
L293D Motor Driver	L293D	100 ~ 150 EGP (2)
OLED Display	N/A	100 ~ 150 EGP (1)
Color Sensor	TCS230	180 ~ 300 EGP (1)
MAC3010 Power Remain	MAC3010	60 ~ 80 EGP (1)
Pulse Sensor	SpO2	225 EGP (1)
Temperature Sensor	N/A	45 EGP (1)
Breadboard Jumper Cables	Male - Male	35 EGP (2)
Breadboard	N/A	60 EGP (1)

In This Project we will use Blynk IoT platform:

This platform is a new platform in IoT services allows us to quickly build interfaces for controlling and monitoring our hardware project from iOS and Android device.

IoT device cloud read the patient condition parameters and then and continuously monitoring them and updates them to IoT platform to do processing and analysis