IOT based Smart Healthcare Wheelchair

for Independent Elderly

*EJECE, European Journal of Electrical Engineering and Computer Science*

Software and Hardware Requirements

Software Requirements are:

* Arduino
* Pc
* Arduino IDE
* MQTT Library
* Max30100 Library

Hardware Requirements are:

* Arduino NANO
* Laptop configuration
* Node MCU
* SpO2 sensor
* PPG sensor
* 4.7 K ohm resistance
* SSD 1306 OLED display

This work intends to make a reasonable brilliant wheelchair by joining a wellbeing observing gadget based on a microcontroller into a standard wheelchair, utilizing pulse to recognize any cardio vascular anomaly. Cautions by sending the alarm signal across the remote organization to determine cell phones/email-id of clients

The focused-on sensors are beats where the armrests are the focused on interface structures. The objective was to make a moderate and simple to-utilize wheelchair wellbeing global positioning framework that causes patients with incapacities to be in contact with the individual required through SMS warnings.