**Social Engineering and Prototype Awareness Enhancing During International Coronavirus Outbreak**

**Aim:**

The main of this project is ADXL335 based awareness approaching system from covid19 virus for people.

**Abstract:**

Coronavirus is the new virus that has not been identified in humans before which it causes the coronavirus disease called COVID-19. This disease was firstly discovered in Wuhan, China, on December 2019 and spread to the world until now. The virus can easily pass from person to person which make it spread rapidly. One of the common symptoms of COVID-19 that can be easily identified fever. This paper proposes self health report monitoring system prevent from covid19 virus. This system was created by humans to automatically improve their self-hygiene. In this pandemic situation humans use their hands in unclean places. These people use their hands in places like unclean buses and trains. This system warns them when carrying dirty hands near the face by using ADXL335. SPO2 sensor is used to monitor the BP and oxygen level. Sensor values are will send to cloud via ESP8266.

**Existing system:**

In this existing system is Increasing student awareness of their habituated face-touching behavior and improving their understanding in self inoculation was successfully achieved. Students’ pre-existingknowledge and pre-existing projects were efficiently re-used within the context of coronavirus and new knowledge was screated. This allowed us to create an environment for behavioral monitoring and study of “societal engineering”. The “smart stick” as a radar for face-touching can also be seen as an example of a mix-reality, human experiment (where, to some extent,coronavirus can be seen). Here an arrangement of contaminated scenes was created within experimental “scenarios”, while outside the experimental area, coronavirus epidemic took unprecedented consequences and many lives.

**Proposed system:**

In this proposed system is used to monitor the health report and also improve the self hygen in the pandemic situation. Using SPO2 sensor for collecting BP and oxygen level in blood. ADXL335 used to monitor the hand position. This system is cost vice low and efficient. In this system, doctors will monitor the people health condition via cloud and also easy to track covid symptomatic people.

**Block diagram:**

**Module 1:**

Arduino nano

SPO2 sensor

Vibrator motor

Adxl 335 sensor

ESP8266

Firebase cloud

Mobile app

Battery 9v

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Above the block diagram is contained the arduino nano, ESPP8266, ADXL335, SPO2 sensor and battery. ADXL335 is connected to GPIO pin of arduino nano. SPO2 sensor is used to find health report of the people and its connected to arduino nano via I2C protocol. ESP8266 is connected to controller via UART port. ESP8266 is used to send the data to the cloud.

**Module2:**

Arduino nano

ADXL335

Battery 9v

Vibrator motor

Abovethe diagram similar to the module one.

**Requirements:**

**Hardware Requirements:**

* Arduino nano –2
* Vibrator motor-2
* ESP8266
* SPO2
* ADXL335
* Battery-2

**Software Requirements:**

* **Compiler: arduino IDE**
* **Language: c++**