

**Pseudo Code Assignment**  
**Third Year Student: Duc Nguyen – N01156279**  
**First Year Student: Manpreet Parmar – N01302460**

**I. Pseudo Code – by Manpreet**

Setup

```
    Identify address of sensor
    Verify address of sensor

    If verify has an error
        Print to lcd (error)
    End if

    Log into database
    If login is invalid
        Prompt user to re-enter
    End if
```

End setup

Loop

```
    Get Temperature and save it in Temperature
    Get Humidity and save it in Humidity
    Send to Pi (Temperature, Humidity)

    If ( 0 < Temperature <= 80 || 0 < Humidity <=80%)
        Print to lcd (Temperature°C , Humidity %)
        Get current time and save it in cTime
        Save in data log (Temperature, Humidity, cTime)
        Send log to android app (Temperature, Humidity, cTime)
        Print log on android app (Temperature, Humidity,
```

cTime)

```
    End if
```

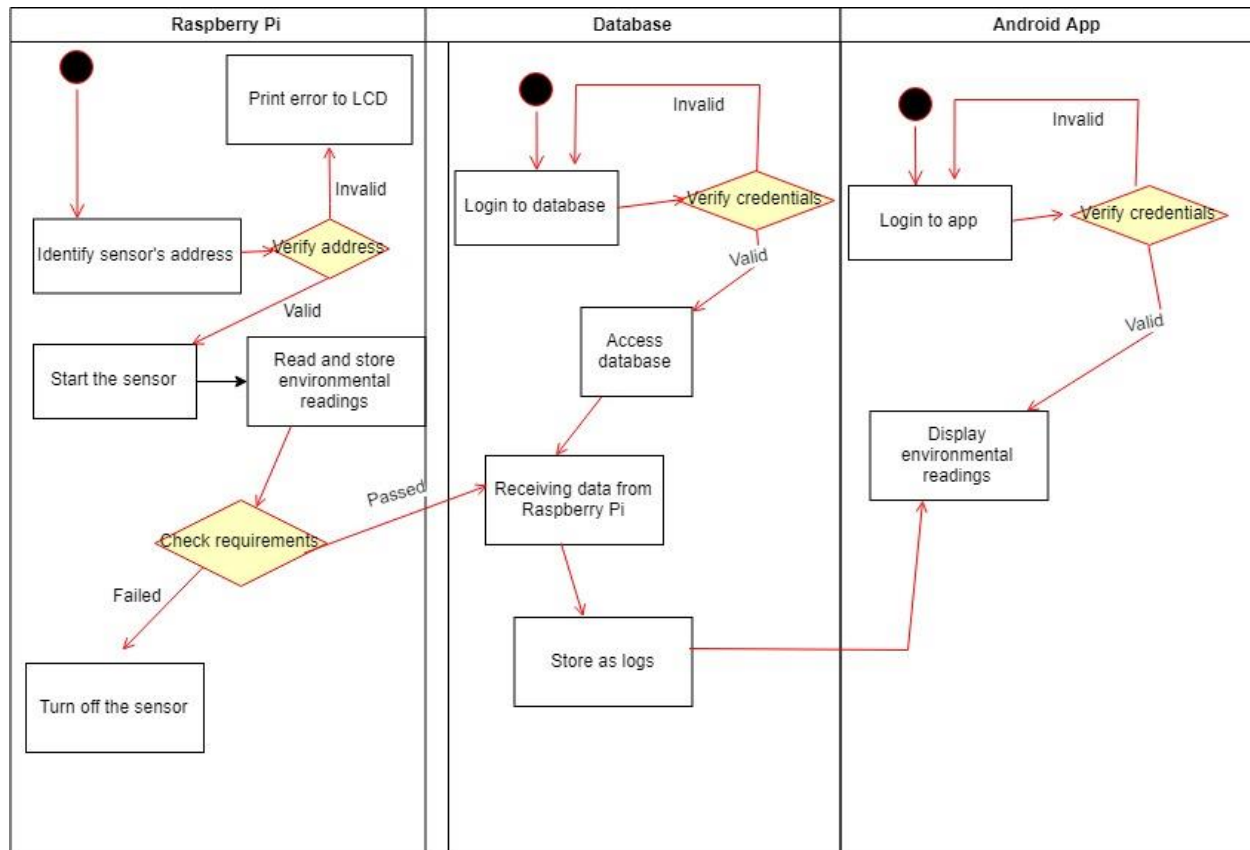
```
    Else if
```

```
        Turn the sensor off
        Give user warnings
```

```
    End else if
```

End loop

## II.UML Diagram – by Duc



## III.Evaluation

Manpreet's performance was better than I expected. He replied all emails instantly, came to every meeting on time and was very communicative overall. He was eager to start the project, and delivered the product on schedule. During the discussion of the code, Manpreet demonstrated his understanding and suggestion in a very straightforward and constructive manner. He showed how critical he can think, and how potential he can be in this field, both in ethics and this particular field.

Pseudo Code grade: 4.5/5

Overall grade: 5/5