# EXPERIMENT NUMBER –Practical 9.1

STUDENT’S NAME – STUDENT’S UID – CLASS AND GROUP –

SEMESTER –

TOPIC OF EXPERIMENT –AIM OF THE EXPERIMENT

FLOWCHART/ ALGORITHM

PROGRAM CODE

ERRORS ENCOUNTERED DURING PROGRAM’S EXECUTION

(Kindly jot down the compile time errors encountered)

PROGRAMS’ EXPLANATION (in brief)

OUTPUT

# EXPERIMENT NUMBER –Practical 9.2

STUDENT’S NAME – STUDENT’S UID – CLASS AND GROUP –

SEMESTER –

TOPIC OF EXPERIMENT – AIM OF THE EXPERIMENT

FLOWCHART/ ALGORITHM

Hello Everyone

This is Group 6, Presenting our project: Mr. Wellness-Your Health monitor

The Project is completed by:

Harpreet Kaur

Smita Shinde

Ronak Kumari

and Myself pardarshee Priya

from CSE-

IOT

Our Project is IoT based, which is Health Monitoring System that monitor the health status of the patient on esp32 web server.

The proposed project can collect and send patient’s health data to an IoT cloud server that is UBIdo

where real time health status of the patient can be recorded and monitored in a remote location where a healthcare professional is present.

The circuit consist of Arduino UNO Board, IC at mega 328p, 16by2 LC display which shows the heart rate and body temperature, Wifi module esp8266

and it is used to communicate arduino to the internet. It also consist of temperature sensor LF-25 which is used to measure body temperature,

finger tipped based heartbeat sensor which is used to measure heart rate and Here we are using Ubitdots as a IOT platform. We have created 2 variable

One is temperature and other one is pulse that means heart rate.

In this device, Arduino measures body temperature and heart rates continously and send the data to Ubidots which gets displayed on the screen.

Now, we are starting the circuit.

It shows some initail message that Wifi is connecting to the device, and now it got connected.

When we keep the fingertip on the heartbeat sensor, The arduino count heartbeat for 15 seconds and calculate for a minute also it read the temperture and Diplay on LCD

Same data it sends to ubidots over the internet

PROGRAM CODE

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(Kindly jot down the compile time errors encountered)

PROGRAMS’ EXPLANATION (in brief)

OUTPUT

LEARNING OUTCOMES

|  |
| --- |
| * Identify situations where computational methods would be useful. |
| * Approach the programming tasks using techniques learnt and write pseudo-code. |
| * Choose the right data representation formats based on the requirements of the problem. |
| * Use the comparisons and limitations of the various programming constructs and choose the right one for the task. |

EVALUATION COLUMN (To be filled by concerned faculty only)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Parameters** | **Maximum**  **Marks** | **Marks**  **Obtained** |
| 1. | Worksheet Completion including writing learning objective/ Outcome | 10 |  |
| 2. | Post Lab Quiz Result | 5 |  |
| 3. | Student engagement in Simulation/ Performance/ Pre Lab Questions | 5 |  |
| 4. | Total Marks | 20 |  |