

Project Proposal

Course: CSE 323

Faculty: Saeed Mahmud Ullah (SMU1)

Section: 11

Group Name: The Binary Bombers

Group:

- Md. Masudur Rahman (1631189042)
- Saraf Sumaita Hasan (1631258042)
- Samina Kamal Upama()

Proposed project idea: Heart-pulse monitoring system with real-time visualizations with Raspberry Pi 3

We want to make simple heart-pulse monitoring system with the help of pulse sensors and combining raspberry pi with it. Then we have a plan to upload visually represent the data in real-time using a WEB (Initial State) platform, although the outcome may vary slightly from this.

Equipment:

- **Hardware:**
 1. Raspberry Pi 3
 2. Pulse Sensor
 3. Jumper Wires
 4. Ethernet Cable (for initial setup)
 5. Analog to Digital converter

- **Software Apps and Online Services:**
 1. Raspbian OS
 2. Disk Imager
 3. Pycharm
 4. Initial State's API