

TEAM I

IOT WORKOUT

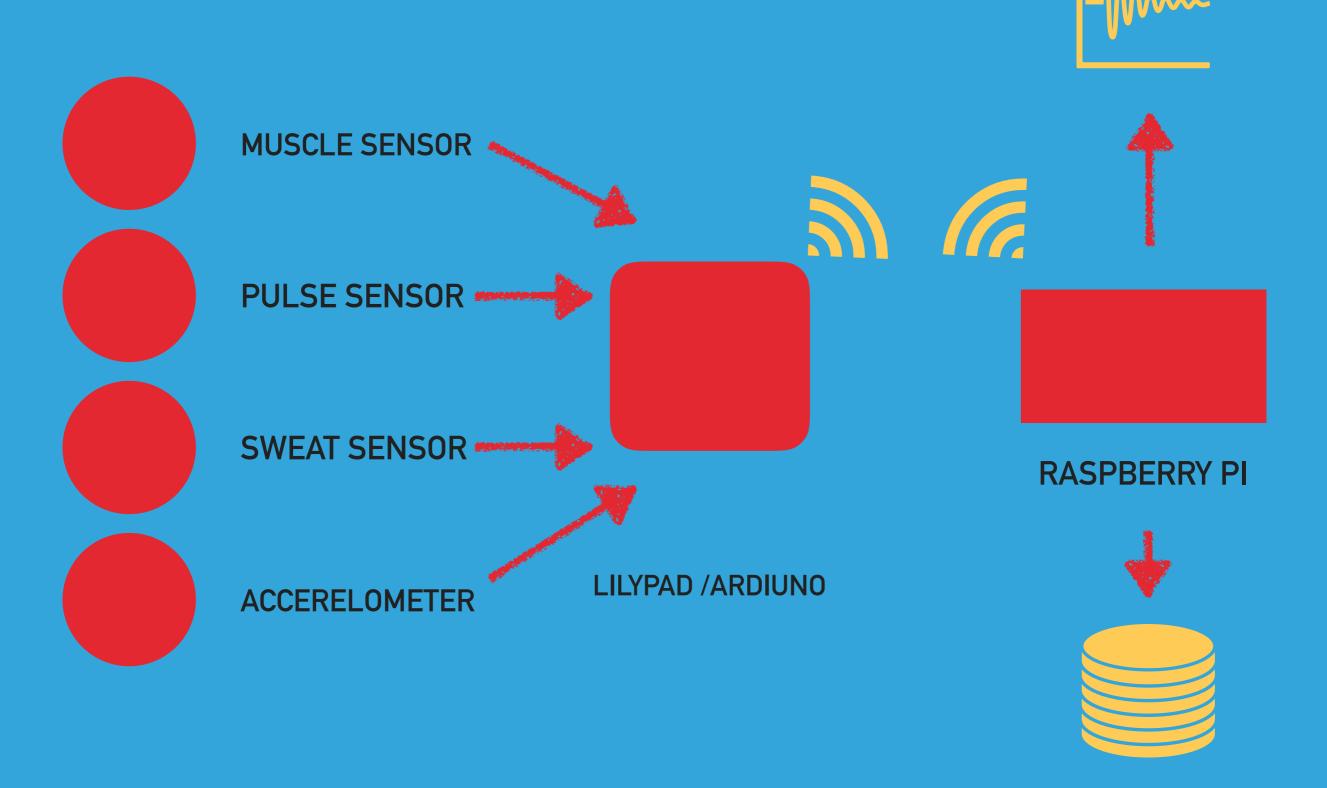
NEED

- Guided Workout
- Feedback Makes a Virtual Trainer
- Monitor Everything Without Gym Equipment
- Health Benefits For Citizens And Employees
- Insurance And Medical Data Revenue
- Can Also Diagnose Health Problems With Data

SENSORS

- Brainwave Sensor
- Myo(Muscle) Sensors
- Pulse Sensor
- Sweat Sensor
- Accelerometer AND Gyroscope
- spO2 Pulse Oxymeter
- Breath Analyser

CIRCUIT FLOW



ANALYTICS

WORKOUT WITH SENSORS

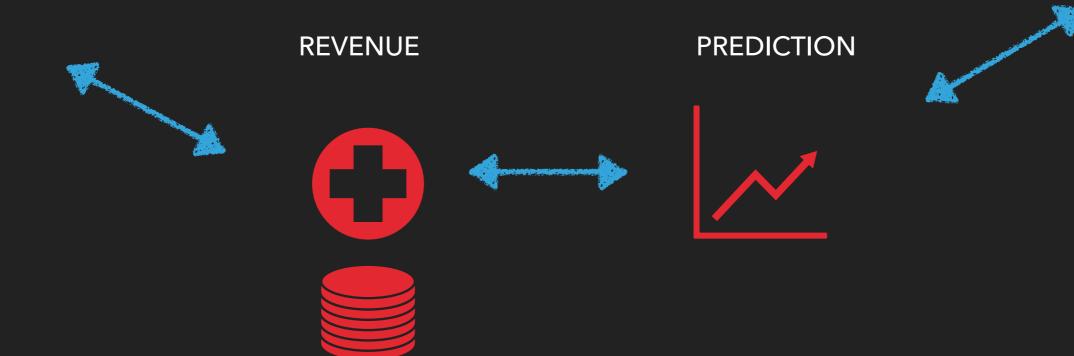
- Guided Meditation and Yoga Using Brainwave
- Analysing data from Pulse Rate and spO2 levels during cardio
- Analysing Muscle Sensor Data and Sweat Sensor during weight training to build exercise and training suggestive systems
- Better Workout using Feedback from previous data





ANALYTICS





USES IN DIAGNOSIS

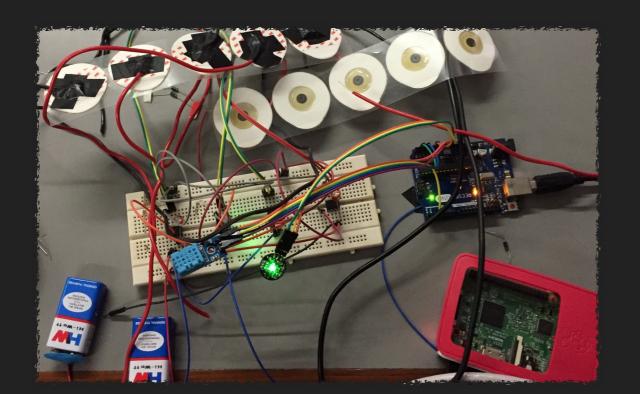
- HRV(Heart Rate Variance) to measure stress levels using combination of Brainwave Sensor and Pulse Sensor
- Using spO2 data and breathing rate to detect cholesterol levels

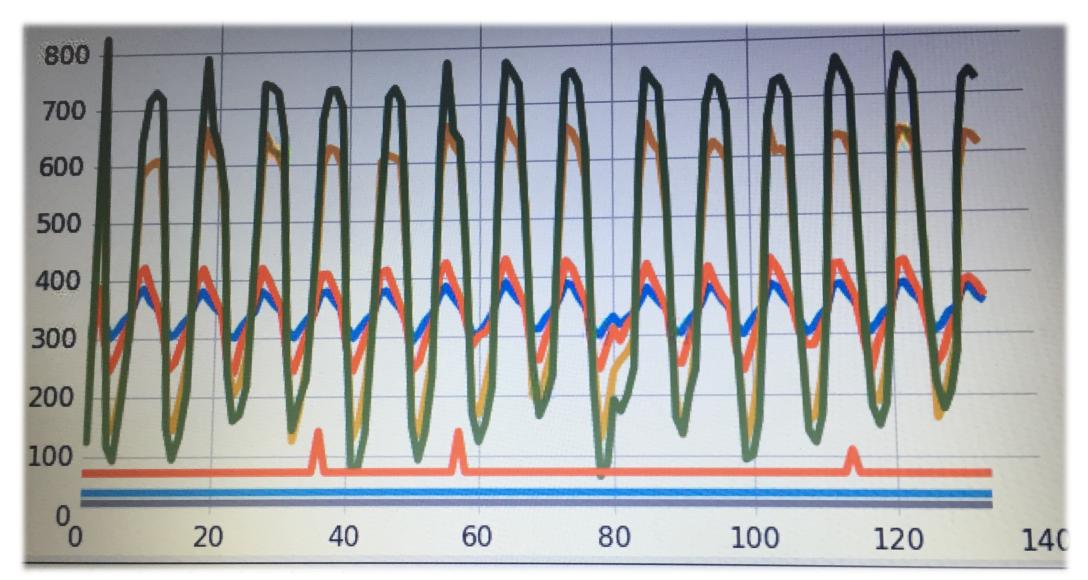
USES IN INSURANCE

 Using Predictive Analysis on Health Data for Insurance Applications

WHAT DID WE HAVE ACHIEVED TILL NOW?

- Assembled Low-Cost Components to reduce the costs in comparison to commercially available data
- Gathered, Stored and Plotted Data from all sensors





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('median:', 468.0)
('mean:', 23.230089)
('variance:', 0.40724149)
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THANK YOU

— Team - I