Project Title

HEART RATE MONITORING SYSTEM BASED ON IOT, ARDUINO UNO AND ESP8266 SENSOR.

Group Members

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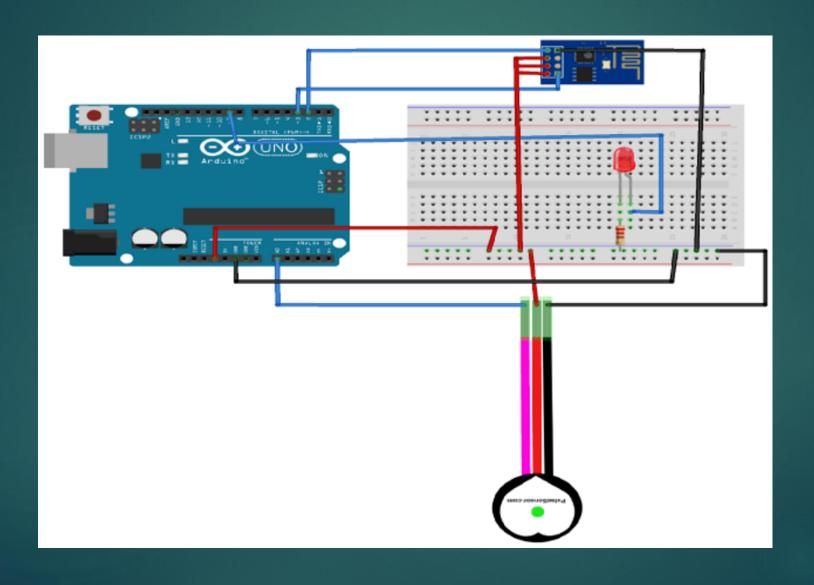
Introduction

- ► Abstract
- State of the Art
- **▶** Motivation
- Organization of the Chapters

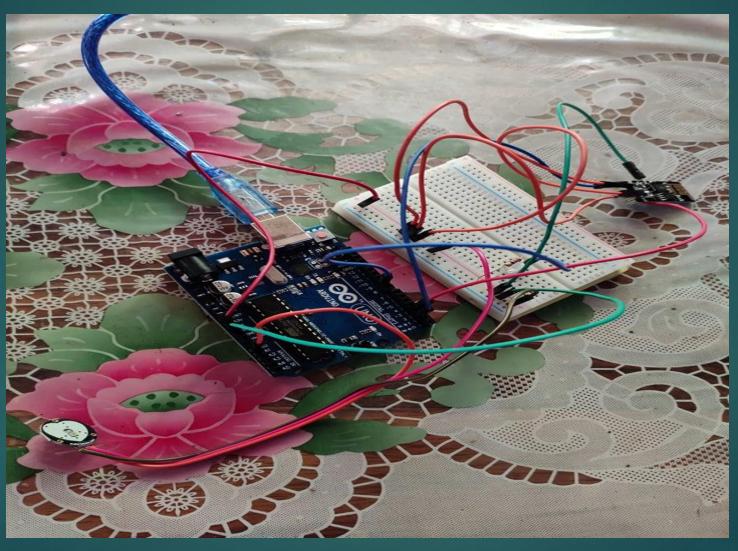
Cost Estimation

Components Required	Cost
Pulse sensor	200tk
ESP8266 Wi-Fi module	400tk
Arduino Uno	500tk
Bread Board	60tk
220-ohm resistors	5tk
LED	5tk
Connecting wires	30tk
Total Cost	1200tk

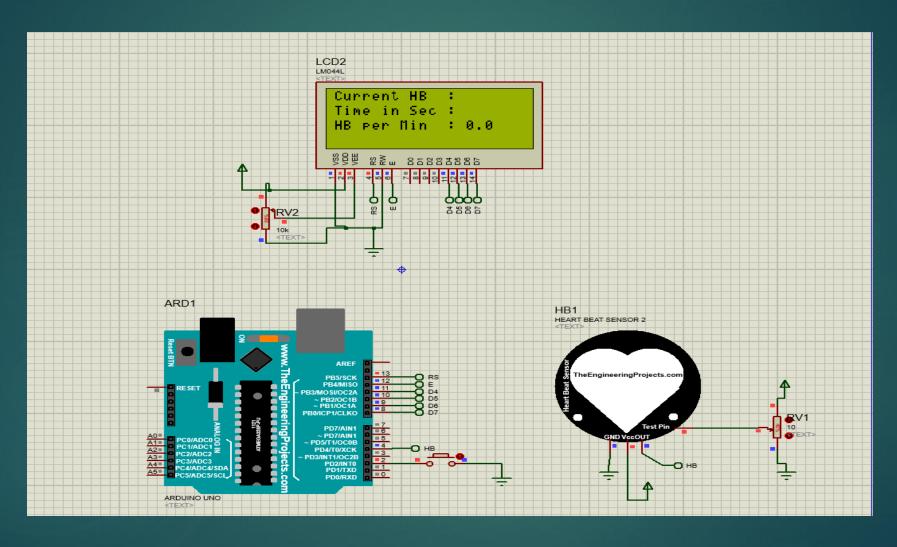
Circuit Diagram



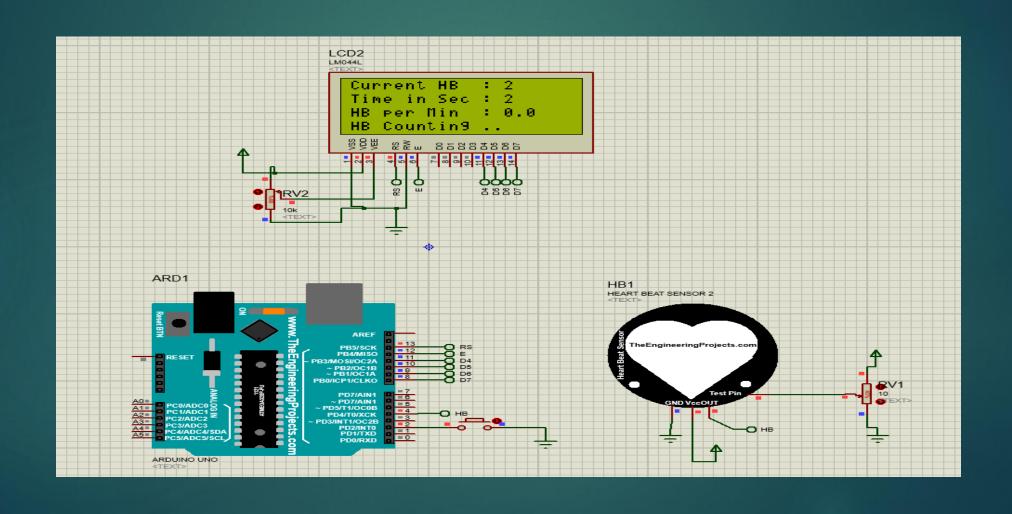
Project Picture



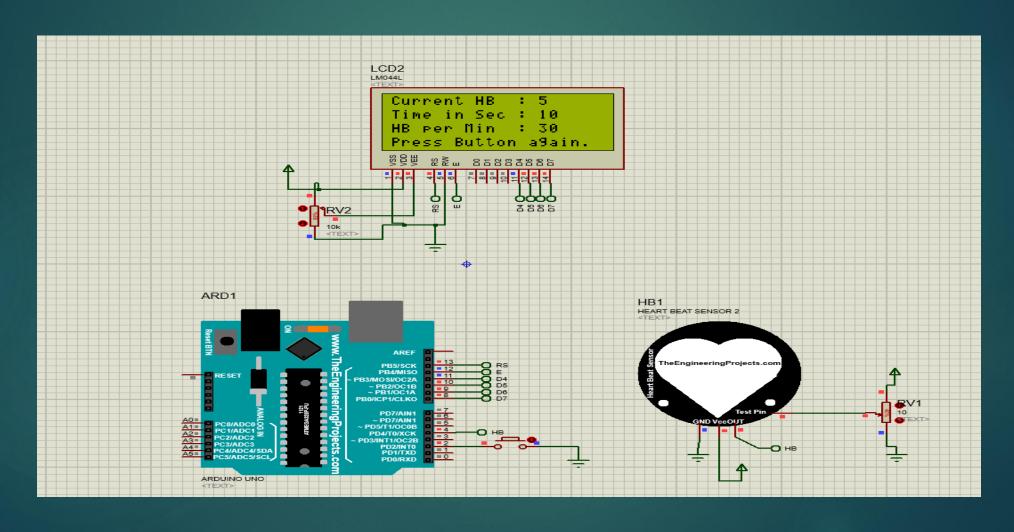
Simulation and Result



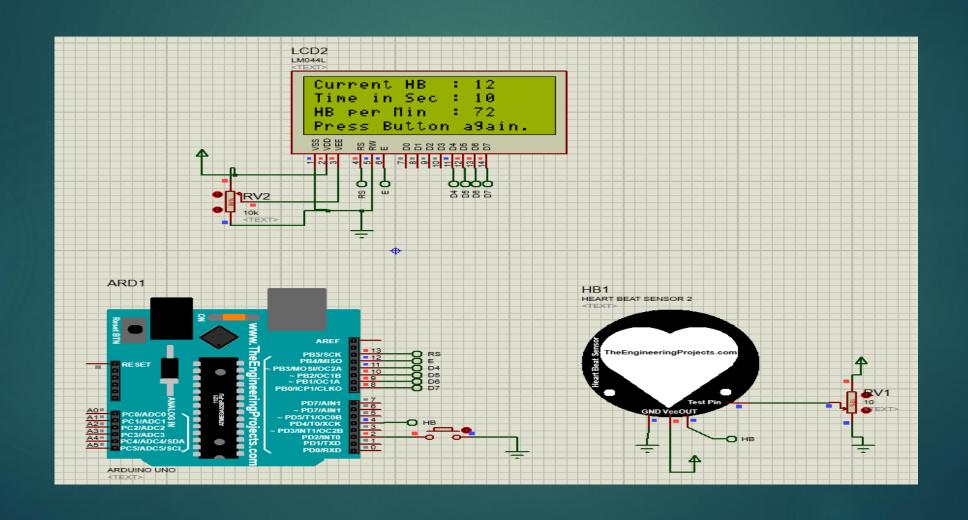
Button clicked & Heart Beat counting



Device Counted Heart Beat for one minute and stopped



Device Counted HB per minute has increased



Social Impact

- **▶** Cost Effective
- **▶** Reduce time
- Saves Money
- ▶ Saves Life
- ▶ More accurate
- Easy to collect data

Future Application

- expanding the potential of telemedicine
- Easy to monitoring
- Easy to examine
- ▶ Guideline from doctors

Limitation

- Shortage of time
- ► Equipment's are not available
- ▶ Wi-Fi Modules is not available in proteus
- ▶ All members are not able to work together

Conclusion

- ► The design of a heart rate monitor utilizes IOT (Internet of Things) to make it easier to see the human heartbeat clearly in the Thing-speak application.
- Devices that are made can work as tools when connected to the internet using a cellular hotspot.
- ▶ A heart rate monitoring tool that works well can be proven by testing and the results that appear in the application.

Reference

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Thank You