

Health Measurement Station

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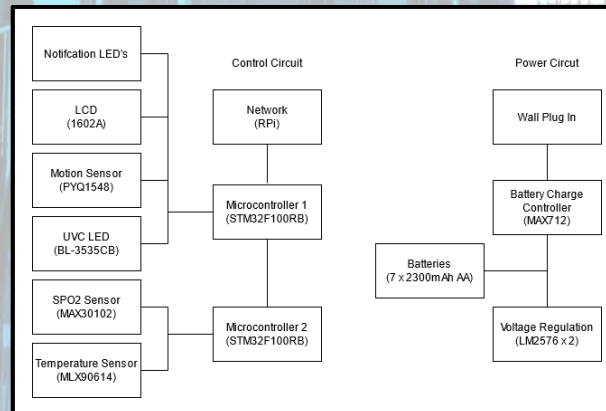
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Project Objective:

- Design a system capable of screening users for potential COVID-19 Symptoms

Specifications:

- Measure blood oxygen level
- Measure body temperature
- Display results to user
- Sanitize sensor between users via UVC light
- Record user statistics over a network connection
- Deployable via wall plug or battery backup
- Enter sleep mode when not in use



Results:

- Average scan time: 7s
- Sanitize time: 10s
- User detection range up to 2m
- Battery life up to 7.5 hours
- Charge time less than 3 hours
- Data stored in CSV file
- Dimensions:
 - Width: 200mm
 - Height: 140mm
 - Depth: 161mm

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