



uOttawa

# Measuring Specific Gravity

## GNG1103: Engineering Design

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# Project Summary

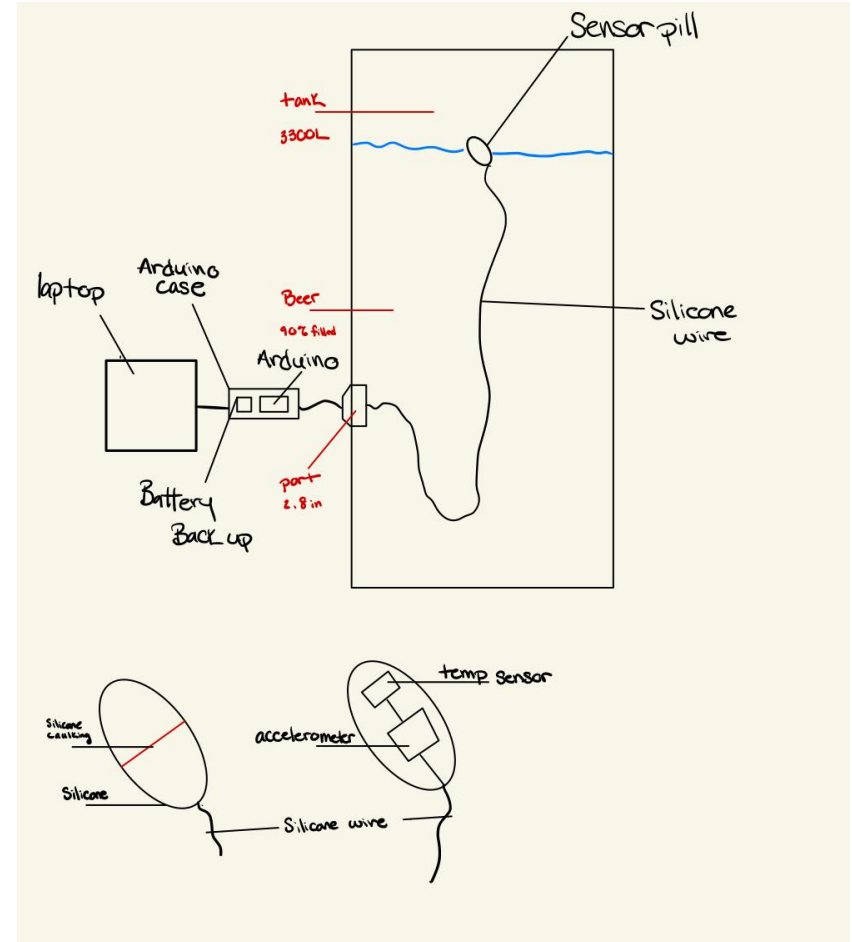
- Fermentation stages of beer
- Specific gravity measurement
- Identification of our client's needs

Our goal: Create an easy to use and clean non-free floating device that can remotely and accurately measure specific gravity.



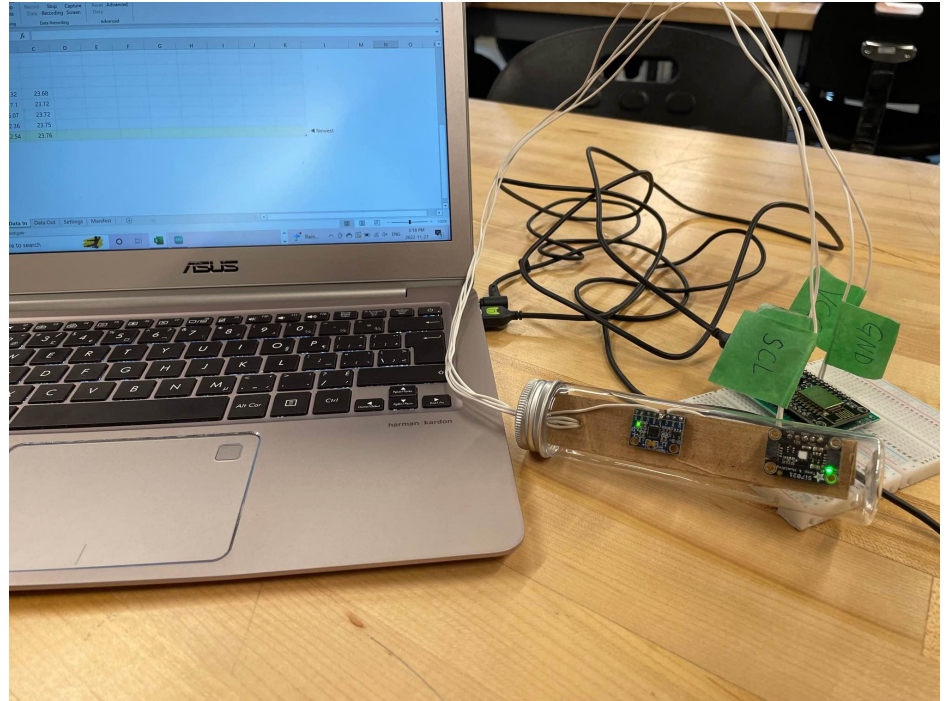
# Our Solution

- Measures Specific Gravity Using:
  - Accelerometer/Gyroscope Sensor
  - Temperature Sensor
- Non Free Floating
- NodeMCU
- Calculations
- Sending Data (Serial or WiFi)
- Port Connector
- NodeMCU Housing



# Future Work

- Better materials
- Better accuracy
- Wi-Fi option for data transfer



Thank you!