Cave Climate Monitor
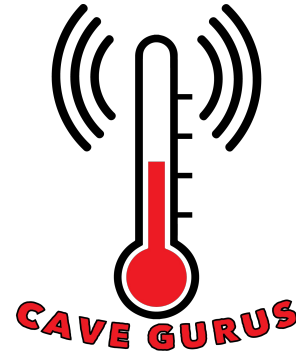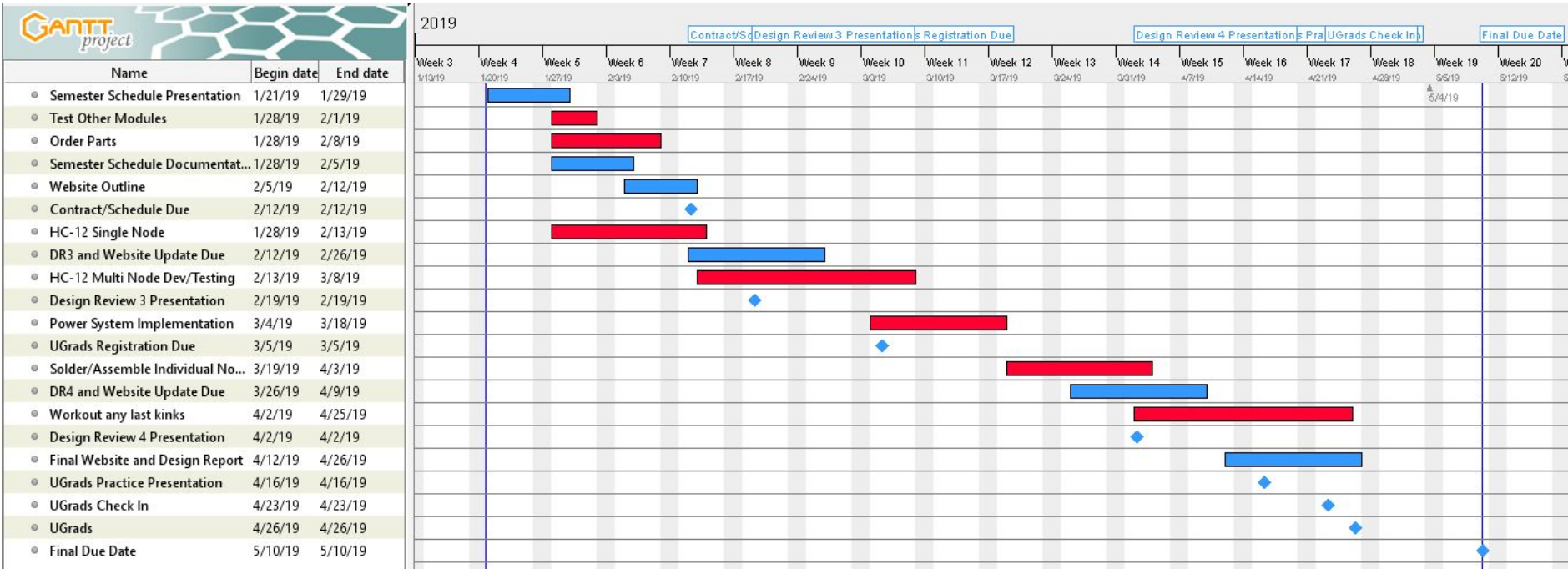
Schedule of Semester Plan

Cave Gurus: Taylor J. Begay
                 Yang Du
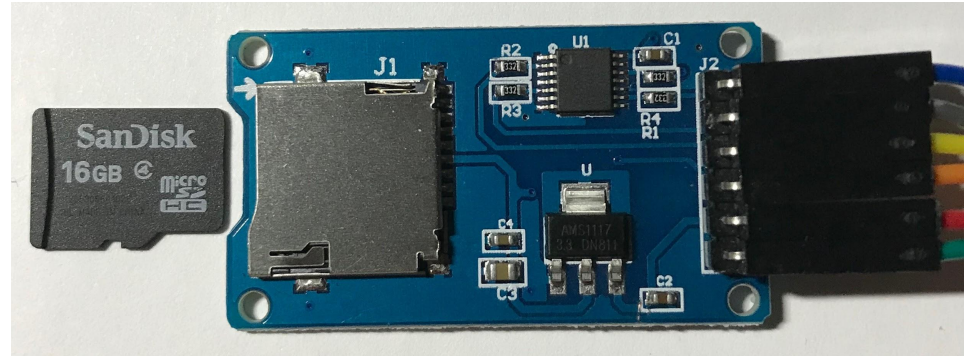   Jason Damp
                 Cheng Wang

CAVE GURUS

Yang Du

Overview

Jason Damp

Subsystem 1 – Sensor

- BME/BMP280 Sensor

- Humidity, Pressure, Temperature

- Objective of Project

Taylor Begay

Subsystem 2 – Data Storage

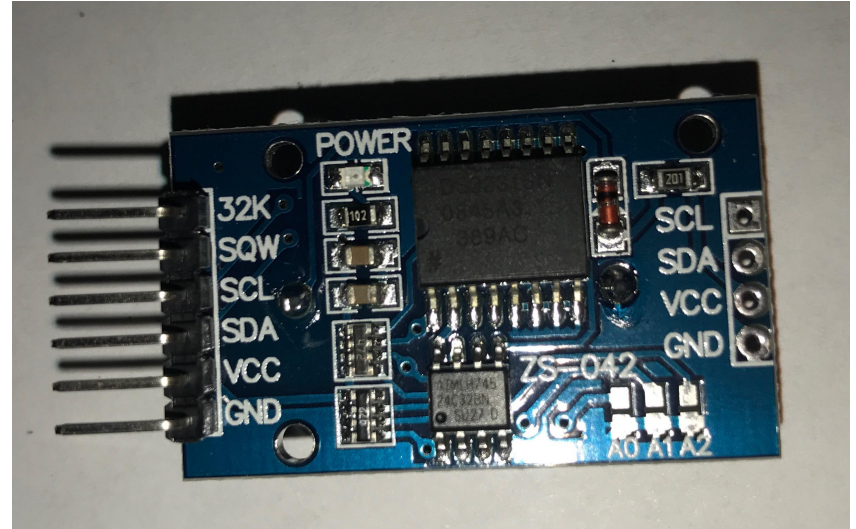- MicroSD Card Reader Adapter

- Store Sensor Data to MicroSD

Taylor Begay

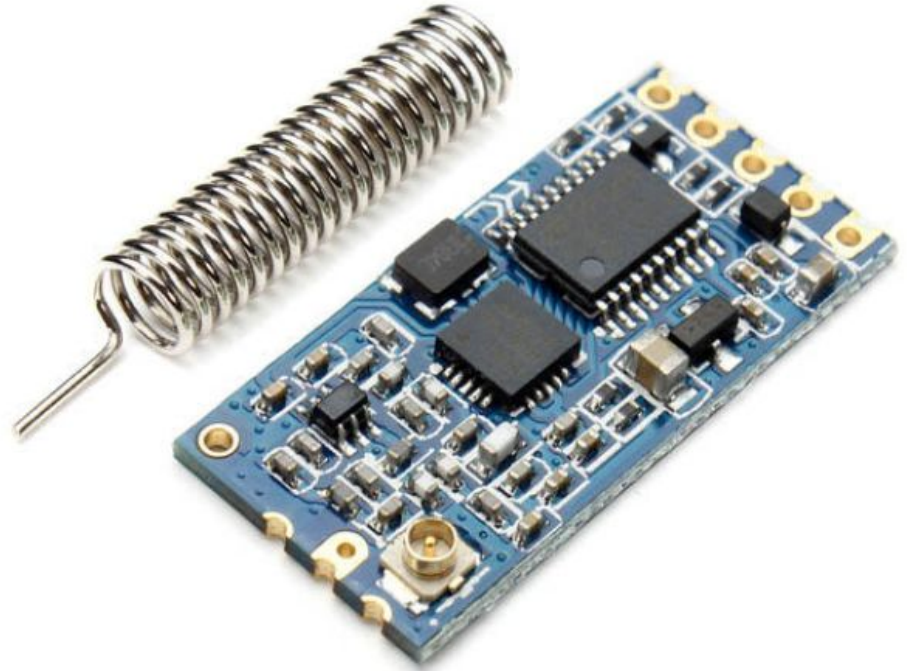# Subsystem 3 - Real Time Clock

- DS3231 Real-Time Clock Module

- Record data regularly

- Control power mode of microcontroller-low consumption

Yang Du

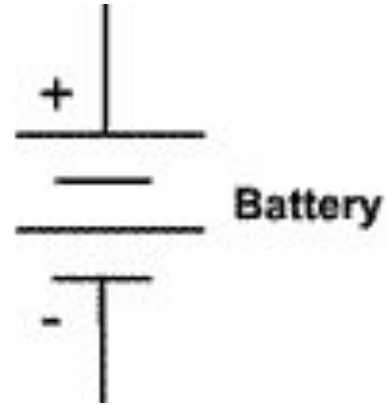# Subsystem 4-HC-12 Transceivers

- Wireless communication module

- Send/pass data from node to node

- Integration with other modules by I2C bus

Cheng Wang

Subsystem 5 – Battery

- Best efficiency for whole system

- Match requirement

Cheng Wang

Closing

- Progress has been Strong and Steady
- We hope we can follow the Gantt chart outlined at the beginning of the slides
- We look forward to updating everyone on our progress in a few weeks!

Jason Damp