

Senior Design Meeting Agenda — Microgrid Team

10:00AM Thursday, April 8th, 2021

205 Stinson Remick

Meeting Leader: Dan

Secretary: *Maia*

1. PCB Being Printed

2. UART Communications

- Inconsistent clock
 - Tested w/multiple boards, computers, PICkits, codes
 - Working on changing clock divide
 - Changing PLLDIV or REFODIV doesn't fix the error

3. Analog Voltage for Power Monitoring

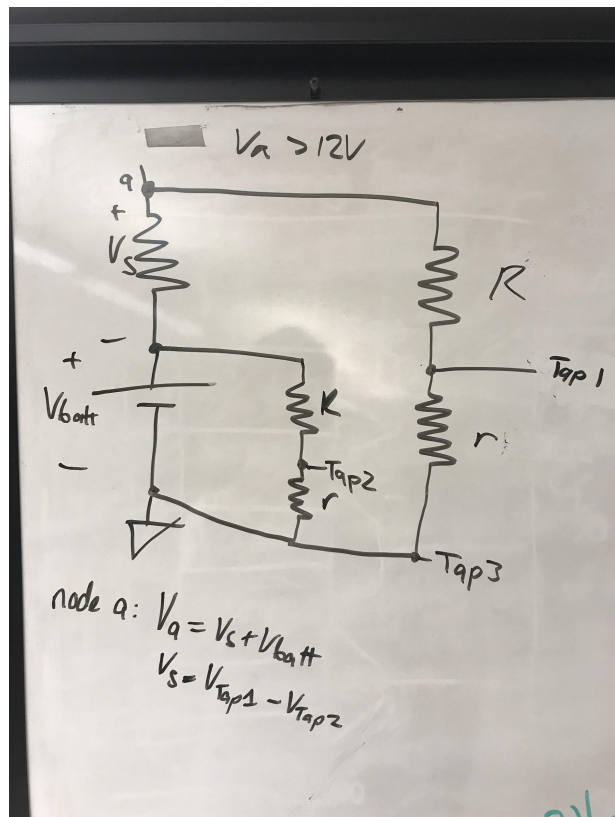
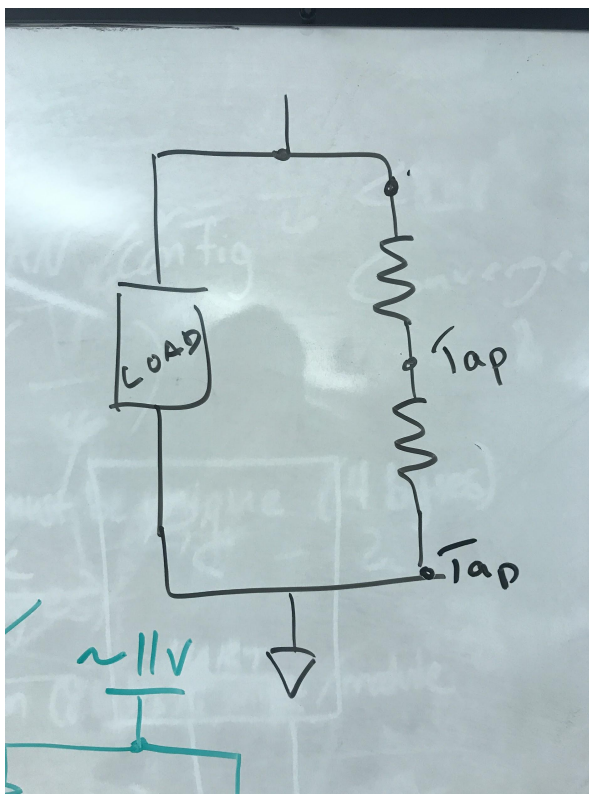


Figure: Load Power Monitoring (left), and Battery/Storage Monitoring (right)

- Using 3 analog inputs for battery and generation monitoring
- Using 2 analog inputs for load monitoring
- Configured PIC32's analog-digital converter
 - Max input impedance of 2.5 kOhm

