

**Team:** P16201 Tigerbot      **Engineer:** Kate Schuttenberg

**Entering Phase:** II: Subsystem Build and Test

### **Phase II: Subsystem Build and Test Review**

1. Review and order PCB designs
  - a. Requires finished design, review with Rinchen, Slack, Ben
    - i. Deadline: by Phase II Review
    - ii. Duration: 2 days
2. Create wires for motors
  - a. Requires finalized knowledge of PCB hookups, possibly order headers
    - i. Deadline: by Phase II Review
    - ii. Duration: 2 day
3. Assist Leslie with development and test of motor driving.
  - i. Deadline: Ongoing
  - ii. Duration: Entirety of Phase
4. Assist ME team with testing
  - i. Deadline: Ongoing
  - ii. Duration: Entirety of Phase
5. Test electrical components
  - i. Deadline: Ongoing
  - ii. Duration: Entirety of Phase

### **Phase III: Integrated System Build and Test Review**

1. Finalize hookup of motors within system
  - a. Requires completion and ordering of PCBs, wires, etc.
    - i. Deadline: by mid-Phase III
    - ii. Duration: 1 Week
2. Test electrical components
  - i. Deadline: by Phase III Review
  - ii. Duration: Entirety of Phase
3. Assist Leslie with development and test of walk code
  - i. Deadline: Ongoing
  - ii. Duration: Entirety of Phase

### **Phase IV: Integrated System Build and Test with Customer Demo Review**

1. Assist Leslie with development and test of walk code
  - i. Deadline: by Phase IV Review
  - ii. Duration: Entirety of phase
2. Begin upper body sensor design
  - i. Deadline: Ongoing

- ii. Duration: Spans multiple phases
- 3. Begin electrical documentation clean up
  - i. Deadline: Ongoing
  - ii. Duration: Spans multiple phases
- 4. Provide electrical maintenance to system with on going testing
  - i. Deadline: Ongoing
  - ii. Duration: Spans multiple phases

### **Phase V: Customer Handoff and Final Project Documentation**

- 1. Assist Leslie with final debug of walk code
  - i. Deadline: by Phase V Review
  - ii. Duration: Entirety of phase
- 2. Finalize upper body design
  - i. Deadline: by Phase V Review
  - ii. Duration: Entirety of phase
- 3. Finalize electrical documentation clean up
  - i. Deadline: by Phase V Review
  - ii. Duration: Entirety of Phase
- 4. Finalize electrical portion of paper and poster
  - i. Deadline: by Phase V Review
  - ii. Duration: Entirety of Phase