

Team: P16201 Tigerbot **Engineer:** Rinchen Dorjee

Entering Phase: II: Subsystem Build and Test

Phase II: Subsystem Build and Test Review

1. Review and Finalize PCB Design for FSR Board
 - a. Requires final interconnections as well as review with Ben Haag, Slack and EE team members
 - i. Deadline: 2/15/2016 (before Phase III)
 - i. Progress : All the components are modeled, only the wiring diagram is left
2. Aid in creating wires for motors and sensor boards
 - a. Requires finalized knowledge of PCB hookups, possibly order headers
 - i. Deadline: by Phase II Review
 - ii. Duration: 2 day
3. Start looking at DC/DC +5 to -5 Converter for supply to FSR
 - 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

(subject to change or update)**

1. Finalize ALL PCB designs and order
 - a. Requires completion and ordering of PCBs, wires, etc.
 - i. Deadline: by mid-Phase III
 - ii. Duration: 1 Week
2. Test FSR board with ADC board to check compatibility
 - 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

(subject to change or update)**

1. Continued assist with Leslie in development of walking code
 - i. Deadline: by Phase IV Review
 - ii. Duration: Entirety of phase
2. Begin upper body DESIGN and more relevant research
 - i. Deadline: Ongoing
 - ii. Duration: Spans multiple phases
3. Begin electrical documentation cleanup and organization
 - 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
5. Start writing the paper for project
 - i. Deadline: Ongoing
 - ii. Duration: Spans multiple phases

Phase V: Customer Handoff and Final Project Documentation

(subject to change or update)**

1. Assist team in final system design and debugging
 - 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 technical paper and poster
 - i. Deadline: by Phase V Review
 - ii. Duration: Entirety of phase