

P8001 Scheduling Plan

Team Member	Week 1 (Phase 3)	Week 2 (Phase 4)	Week 3 (Phase 4)
Jennifer Zelasko (ISE)	Ensure team is on schedule. Obtain assembly materials. Help with assembly where needed.	Ensure team is on schedule. Help with assembly where needed. Start recording maintenance procedures.	Ensure team is on schedule. Help with assembly where needed. Continue recording maintenance procedures.
Jonathan Bawas (EE)	Evaluate design, and resolve any remaining feedback subsystem issues. Begin Testing parts/ components ordered, verifying operation and cheking against manufacturer specs. Modify Pspice model to reflect any changes in component test results. Order remaining parts.	Continue testing parts. Construct comparator stage, verify operation. Find appropriate potentiometers to adjust voltage ranges. Test output devices (buzzers and LED's) Determine any additional circuitry needed (MOSFET for audio, current limiting resistors for LED's, etc.) Update PSPice model.	Continue Testing parts. Begin Audio logic constructor: verify operation and apply test to ensure logic is correct. Find 9V power supply and test with voltage regulator, ensure performance. Begin to combine circuitry. Update Pspice Model.
James Nardo (ME1)	Obtain assembly materials.	Cut all parts for bike frame.	Cut parts for bike frame.
Jeff Tempest (ME2)	Obtain assembly materials.	Begin initial assembly of Base Plate.	Finish base plate assembly.
Carl Mangelsdorf (ME3)	Obtain assembly materials.	Begin assembly of pulley system.	Continue assembly of pulley system.

Week 4 (Phase 4)	Week 5 (Phase 4)	Week 6 (Phase 4)	Week 7 (Phase 4)
Ensure team is on schedule. Help with assembly where needed. Continue recording maintenance procedures. Begin poster design.	Write up maintenance owner's manual. Continue poaster design.	Finish poster (version #1). Place sensor on bike and test feasible tilt ranges. Test to see if bike functions to specifications. Continue recording maintenance procedures. Finalize and calibrate tilt angles to be used for physical therapy patients. Finish write up of owner's manual. Begin tech paper.	Continue testing and debugging. Write up tech paper and 2 page summary. Send bike to get painted.
Complete Construction of whole system. Debug any issues. Test overall performance for all tilt ranges. Update Pspice Model.	Complete Construction of whole system. Debug any issues. Test overall performance for all tilt ranges. Update Pspice Model.	Design Verification. Does it match specs? Function and Performance Characterization. Find appropriate enclosure. Plan to mount on Bike. (sensor location and display location) Debug circuit. Update Pspice Model. Begin poster design.	Mount on bike frame. Assist in determining appropriate tilt ranges. Test response, and adjust tilt range if needed. Address additional issues. Test accuracy of system. Debug circuit. Update Pspice Model. Write up tech paper and 2 page summary.
Place upright locked position pin on bike.	Weld all parts for bike frame. Finish frame assembly. Test welds to ensure they meet bike capacity.	Assemble bike frame with pulley assembly, and base plate. Complete assembly of all components. Place sensor on bike and test feasible tilt ranges. Test to see if bike functions to specifications.	Continue testing and debugging. Finalize and calibrate tilt angles to be used for physical therapy patients. Write up tech paper and 2 page summary. Send bike to get painted.
Begin spring cartridge assembly.	Finish spring cartridge assembly. Test welds to ensure they meet bike capacity. Assemble bike frame with pulley assembly, and base plate. Complete assembly of all components. Send bike to get painted. Continue testing and debugging.	Place sensor on bike and test feasible tilt ranges. Complete assembly of all components. Test to see if bike functions to specifications.	Continue testing and debugging. Finalize and calibrate tilt angles to be used for physical therapy patients. Write up tech paper and 2 page summary. Send bike to get painted.
Begin spring cartridge assembly.	Finish pulley system assembly. Finish Spring cartridge assembly. Test welds to ensure spring cartiridges meet bike capacity. Assemble bike frame with pulley assembly, and base plate. Complete assembly of all components. Continue testing and debugging.	Place sensor on bike and test feasible tilt ranges. Complete assembly of all components. Test to see if bike functions to specifications. Continue testing and debugging.	Continue testing and debugging. Finalize and calibrate tilt angles to be used for physical therapy patients. Write up tech paper and 2 page summary. Send bike to get painted.

Week 8 (Phase 4)	Week 9 (Phase 4)	Week 10 (Phase 4)	Week 11 (Phase 4)
Take final bike to test at the clinic with actual patients. Teach customer how to operate bike. Final debugging.	Finish any debugging left.	Deliver bike to customer.Final project review. Complete design documentation.	Design History File. Update all info on EDGE. Ensure all deliverables are complete.
Resolve remaining issues. Finalize subsystem. Characterize performance. Begin work on poster, tech-paper, and manual. Customer demo, testing at PT clinic? Teach customer how to operate bike.	Design Verification Testing. Prep for Project Review. Documentation: Tech paper, manual, poster, etc.Finish any debugging left.	Project Review. - Project Status. Documentation: Tech paper, manual, poster, etc. Deliver bike to customer.Final project review. Complete design documentation.	Design History File. Update all info on EDGE. Ensure all deliverables are complete.
Take final bike to test at the clinic with actual patients. Final debugging. Teach customer how to operate bike.	Finish any debugging left.	Deliver bike to customer.Final project review. Complete design documentation.	Design History File. Update all info on EDGE. Ensure all deliverables are complete.
Take final bike to test at the clinic with actual patients.Final debugging. Teach customer how to operate bike.	Finish any debugging left.	Deliver bike to customer.Final project review. Complete design documentation.	Design History File. Update all info on EDGE. Ensure all deliverables are complete.
Take final bike to test at the clinic with actual patients.Final debugging. Teach customer how to operate bike.	Finish any debugging left.	Deliver bike to customer.Final project review. Complete design documentation.	Design History File. Update all info on EDGE. Ensure all deliverables are complete.