

Project Planning

Design Organization: Mech 202 Winning Team

Date: 2/15/2020

Product Name: Competition Prototype

Task 1 Snapshots	Name of Task: Project II Concept Generation & Evaluation	
	Objective: To analyze multiple prototype concepts to begin the first prototype development	
	Deliverables: 3+ design concepts, evaluation of all concepts, drawings of all prototypes	
	Decisions/Milestones with Dates: 1. Assembled deliverables due on Canvas by 3/10/2020	
	Personnel Needed: Title: Team effort Hours: 20 Percent full time: 20%	
	Time: Estimated Total Hours: 15 Actual Total Hours: TBD	
	Sequence: Predecessors: None Successors: Tasks 2-6 Planned Start Date: 3/3/2020 Planned Finish Date: 3/9/2020 Actual Start Date: TBD Actual Finish Date: TBD	
	Costs: Capital Equipment: Computer Disposables: None	
	Task 2 Snapshots	Name of Task: Project II Working Prototype
Objective: Create a working prototype		
Deliverables: Prototype, reverse engineering process, DSM, annotated exploded assembly		
Decisions/Milestones with Dates: 1. Assembled deliverables due on Canvas by 4/7/2020		
Personnel Needed: Title: Team effort Hours: 25 Percent full time: 30%		
Time: Estimated Total Hours: 25 Actual Total Hours: TBD		
Sequence: Predecessors: Task 1 Successors: Tasks 3-6 Planned Start Date: 3/10/2020 Planned Finish Date: 4/6/2020 Actual Start Date: TBD Actual Finish Date: TBD		
Costs: Capital Equipment Disposables: None		
Team member: Nolan		Team member: Flynn
Team member: Trevor		Prepared by: Noah
Team member: Noah		Checked by: Trevor
Team member: Ryan		Approved by: Ryan
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Task 3 Snapshots	Name of Task: Project II Testing Analysis	
	Objective: Complete testing on prototype to ensure it meets specifications established	
	Deliverables: Testing analysis report	
	Decisions/Milestones with Dates: 1. Report due on Canvas by 4/21/2020	
	Personnel Needed: Title: Team effort Hours: 25 Percent full time: 30%	
	Time: Estimated Total Hours: 25 Actual Total Hours: TBD	
	Sequence: Predecessors: Task 2 Successors: Task 5,6 Planned Start Date: 4/8/2020 Planned Finish Date: 4/20/2020 Actual Start Date: TBD Actual Finish Date: TBD	
	Costs: Capital Equipment: Prototype, computer Disposables: None	
	Task 4 Snapshots	Name of Task: Project II FMEA & FTA Analysis
Objective: To analyze potential failures of prototype and variability in performance		
Deliverables: FMEA & FTA tables, safety analysis, and a service & support plan		
Decisions/Milestones with Dates: 1. All required materials due on Canvas by 4/23/2020		
Personnel Needed: Title: Team effort Hours: 15 Percent full time: 25%		
Time: Estimated Total Hours: 15 Actual Total Hours: TBD		
Sequence: Predecessors: Task 2 Successors: Task 5,6 Planned Start Date: 4/8/2020 Planned Finish Date: 4/22/2020 Actual Start Date: TBD Actual Finish Date: TBD		
Costs: Capital Equipment: Prototype, computer Disposables: None		
Team member: Nolan		Team member: Flynn
Team member: Trevor		Prepared by: Noah
Team member: Noah		Checked by: Trevor
Team member: Ryan		Approved by: Ryan
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Task 5 Snapshots	Name of Task: Project II Presentation	
	Objective: To create an 8-10 minute presentation on the design details and supporting analysis	
	Deliverables: Presentation slides	
	Decisions/Milestones with Dates: 1. Presentation slides due on Canvas by 4/27/2020	
	Personnel Needed: Title: Team effort Hours: 5 Percent full time: 10%	
	Time: Estimated Total Hours: 5 Actual Total Hours: TBD	
	Sequence: Predecessors: Tasks 1-5 Successors: Task 6 Planned Start Date: 4/23/2020 Planned Finish Date: 4/26/2020 Actual Start Date: TBD Actual Finish Date: TBD	
	Costs: Capital Equipment: Computer, Prototype Disposables: None	
	Task 6 Snapshots	Name of Task: Project II Report
Objective: To compile all work from Project II into a detailed and organized report		
Deliverables: Assembled final report		
Decisions/Milestones with Dates: 1. Report to be turned into Canvas by 5/7/2020		
Personnel Needed: Title: Team effort Hours: 15 Percent full time: 25%		
Time: Estimated Total Hours: 15 Actual Total Hours: TBD		
Sequence: Predecessors: Tasks 1-6 Successors: None Planned Start Date: 4/27/2020 Planned Finish Date: 5/6/2020 Actual Start Date: TBD Actual Finish Date: TBD		
Costs: Capital Equipment: Computer, Final prototype Disposables: None		
Team member: Nolan		Team member: Flynn
Team member: Trevor		Prepared by: Noah
Team member: Noah		Checked by: Trevor
Team member: Ryan		Approved by: Ryan
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