

Droneceuticals

Assignment 3

Team: Kingslayer

Project Manager: David Garcia

Team Members: Gardner Reid, Taylor Rembos, Jessica Smith

Due Date: November 16, 2016

Project Resource Table

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Team Member Name	Organization	Task(s) Assigned To	Assignment Rationale
Jordan Kempler	DroneTech	3.2.1 (Employee responsibility)	Kempler, as CEO, is responsible in leading all of his employees and instilling a good work effort. Therefore he should be assigned to ensuring that employees have a sense of responsibility towards their work so that each employee can effectively monitor for quality.
Project Manager	DroneTech	1.3.1.5 (Pharmacy education), 2.1 (Establish a signed contract), 2.1.1.1 (Resolve PM issues), 2.1.1.1.1 (refine cost), 2.1.1.1.2 (refine staffing), 2.1.1.1.3 (refine quality), 2.1.1.1.4 (refine schedule) 2.1.1.1.5 (WBS Development), 2.2 (Risk Management), 3.2 (Developer) 3.2.1 (Employee Responsibility), 3.2.1.2 (groups and team meeting scheduling), 3.2.1.2.1 (Progress report sharing), 3.2.1.2.2 (progress report guidelines), 3.4 (Risk Management)	The Project Manager is involved in all of these roles due to the fact that the project manager should monitor his/her employees and ensure that the work is being done on time and under budget, so that DroneTech will have a successful company and a repeating customer.
Stephanie Williams	DroneTech	2.1.1 (Budget), 2.1.2 (Project Start), 2.1.3 (Delivery Flight), 2.2.1 (Risk Handling), 2.1.1.1 (PM meetings), 2.1.1.1.1 (Refine Cost), 2.1.1.1.2 (Refine Staffing), 2.1.1.1.3 (Refine Quality), 2.1.1.1.4 (Refine Schedule)	Williams, as the Senior Business Analyst, has her hand in many of the tasks that accompany the Project Manager's main responsibilities. These two need to work closely in order to fulfil the requirements specified in the contract agreed upon by Wilmont and DroneTech. This should include meetings and refinement of specifications carried out by the PM.
Gerald Hasper	DroneTech	1.2 (Drone Flight), 1.4.1 (Risk Handling), 3.1.1 (User Training), 3.3.3 (Information Safety), 3.4.1 (Risk Handling), 3.2.1.2 (Team Meetings / Training), 3.2.1.2.2 (Progress Reports)	Hasper, as the Flight Operations Manager, deals with much of the drone building and specifications as well as the training and quality control for the flight of the drones. Since he is a lead of this, he will help with risk management for the drone being built. Because of this, he will also have his hand in the progress reports to make sure the training will go as planned.
Eileen Seymour	DroneTech	1.3.1.4 (Integrity of Security), 3.1 (User), 3.3 (Integrity of Security), 3.1.1 (Training), 3.2.1.2 (Team Meetings and Training), 3.3.3 (Safety of Information), 3.2.1.2.2 (Progress Report)	Seymour, the Project Lead for IT Systems, will be heavily involved in maintaining the security and safety of information as well as training users.
Katie O'Ryan	DroneTech	2.1 (Establish signed contract), 2.1.1 (Project under \$750,000) 2.1.2 (Project start), 2.1.3 (Delivery Flight)	O'Ryan is the attorney and therefore will work on the contract, ensuring the wording and the content is legally sound.
Rohan Shah	DroneTech	1.2.1 (Bagging and cushioning system), 1.3.1 (Enhanced Online Order Process), 3.3.1 (Security of Business Info), 3.3.2 (Customer Privacy), 3.3.3 (Safety of Proprietary info), 1.3.1.1 (Customer's Willingness For Drone Delivery), 1.3.1.2 (Customer Approvals), 1.3.1.3 (Communications About Deliveries Electronically Interfaced), 1.3.1.5.1 (How To Use and Package), 1.3.1.5.2 (How to Troubleshoot), 1.3.1.5.3 (Training and Quality Control Guidelines), 3.2.1.1.2 (Tests, QC and Progress reports)	As the Programmer, Shah is responsible for participation in all tasks that require some sort of programming. He will work closely with Sinha on programming issues and resolutions, therefore they share several task responsibilities together. He is also responsible for educating people on how to use the software he is creating alongside Sinha.
Shravani Sinha	DroneTech	3.3.1 (Security of business info), 3.3.2 (Customer Privacy) 3.3.3 (Safety of Proprietary info), 3.4.1 (Risk Handling), 3.2.1.1 (Approval Checkpoints), 1.3.1.5.1 (Use and Packaging), 1.3.1.5.2 (troubleshooting), 1.3.1.5.3 (Training and Quality Control Guidelines), 3.2.1.1.1 (Testing and Quality Control Guidelines)	As the senior programmer, Sinha is responsible for all tasks that fall under the realm of programming, from customer safety, to customer privacy. She is also responsible for training the respective people on how to use the drone technology, as well as testing, because she is the one who designed the software and user interface

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William Holt	DroneTech	1.1 (Drone Design), 1.4 (Risk Management), 1.2.1 (Bagging System), 3.2.1.1 (Approval checkpoints and meeting note sharing), 3.2.1.1.1 (Testing)	Holt is the Drone Systems Engineer. Therefore all tasks that require engineering or creative services will go through Mr. Holt. Training and Testing should also be run by Mr. Holt, because he will be responsible for engineering new ways to overcome negative test results.
Ashish Nehra	DroneTech	1.1.1 (Customer Preception), 3.4.1 (Risk Handling), 1.1.1.1 (Drone design), 1.1.1.2 (product knowledge), 1.1.1.3 (Customize App), 3.2.1.1.2 (Test and Quality Control)	Nehra is the Drone Systems Technician, and as the technician must understand exactly how the drones function in order to provide proper technical service. Her technical abilities must also play a role in the risk management aspects of the design. Her design of the drone must allow customers to view the companies as one joint company. When it comes to testing, she is responsible for testing and feedback as the technician
George Cranston	Wilmont	3.2.1 (Employee responsibility)	Cranston, the Operations VP, is in a high up position who would work with Jordan Kempler to instill a sense of responsibility in his employees.
James Connor	Wilmont	1.3.1.4 (Integrity of Security), 3.1 (User), 3.3 (Integrity of Security), 3.1.1 (Training), 3.2.1.2 (Team Meetings and Training), 3.3.3 (Safety of Information), 3.2.1.2.2 (Progress Report)	Connor, the CIO, would need to be involved in all IT and security aspects of the project as they would be in charge of information technology and computer systems.
Mary Pearson	Wilmont	1.3.1.4 (Integrity of Security), 3.1 (User), 3.3 (Integrity of Security), 3.1.1 (Training), 3.2.1.2 (Team Meetings and Training), 3.3.3 (Safety of Information), 3.2.1.2.2 (Progress Report)	Pearson, the Project lead for IT systems, would work in a similar role to Seymour on the DroneTech Staff. She would will be heavily involved in maintaining the security and safety of information as well as training users.
William Scott	Wilmont	1.3.1.4 (Integrity of Security), 3.1 (User), 3.3 (Integrity of Security), 3.1.1 (Training), 3.2.1.2 (Team Meetings and Training), 3.3.3 (Safety of Information), 3.2.1.2.2 (Progress Report)	Scott, the Project Lead for Security Systems, would work with IT systems to ensure safety and security of all information and systems involved with the drones. Scott would also need to be involved in the training to ensure this safety is consistent for employees and for users.
Julie Green	Wilmont	1.3.1.5.1 (How to properly package), 1.3.1.5.2 (troubleshoot), 1.3.1.5.3 (training and quality control)	As the pharmacy manager, Green should ensure that all of her employees are adequately trained and are confident in the procedure. As well as to continue checking their employee success throughout the implementation of the drone flight.
Steve Haskell	Wilmont	1.3.1.5.1 (How to properly package), 1.3.1.5.2 (troubleshoot), 1.3.1.5.3 (training and quality control)	As the pharmacy manager, Haskell should ensure that all of his employees are adequately trained and are confident in the procedure. As well as to continue checking their employee success throughout the implementation of the drone flight.
James O'Donnell	Wilmont	1.3.1.5.1 (How to properly package), 1.3.1.5.2 (troubleshoot), 1.3.1.5.3 (training and quality control)	As the pharmacy manager, O'Donnell should ensure that all of his employees are adequately trained and are confident in the procedure. As well as to continue checking their employee success throughout the implementation of the drone flight.
Wilma Marcy	Wilmont	1.3.1.5.1 (How to properly package), 1.3.1.5.2 (troubleshoot), 1.3.1.5.3 (training and quality control)	As the pharmacy manager, Marcy should ensure that all of her employees are adequately trained and are confident in the procedure. As well as to continue checking their employee success throughout the implementation of the drone flight.
Phillip Greenberg	Wilmont	"1.3.1.5 (Pharmacy education), 2.1 (Establish a signed contract), 2.1.1.1 (Resolve PM issues), 2.1.1.1.1 (refine cost), 2.1.1.1.2 (refine staffing), 2.1.1.1.3 (refine quality), 2.1.1.1.4 (refine schedule) 2.1.1.1.5 (WBS Development), 2.2 (Risk Management), 3.2 (Developer) 3.2.1 (Employee Responsibility), 3.2.1.2 (groups and team meeting scheduling), 3.2.1.2.1 (Progress report sharing), 3.2.1.2.2 (progress report guidelines), 3.4 (Risk Management) "	Greenberg, the Project Manager on the Business Operations side, would work closely with the Project Manager on the DroneTech team. The Project Manager is involved in all of these roles due to the fact that the project manager should monitor his/her employees and ensure that the work is being done on time and under budget, so that DroneTech will have a successful company and a repeating customer.
Jonathan Perry	Wilmont	1.3.1 (Online Order Process), 1.3.1.5 (Pharmacy Education)	Perry, the Retail Operations Assistant, would work with Thornton to take care of the online orders. She would also work with pharmacy education to train but also be educated on how the pharmacies interact with their products.
Linda Thornton	Wilmont	1.1.1 (Customer Perception), 1.1.1.3 (App), 1.3.1 (Online Order Entry), 1.3.1.1 (Customer Delivery Registrations), 1.3.1.2 (Customer Approvals), 1.3.1.3 (Electronic Communications)	Thornton, the Online Customer Process Analyst, would work with the customer order side and all online order entries.
Gerald Peritoni	Wilmont	3.2.1.1.1 (Testing and Quality Control Guidelines), 3.2.1.1.2 (Tests Quality Control, and progress reports)	As the Testing Specialist for Wilmont, Peritoni will oversee the tests run by DroneTech, as well as working with Walton in generating their own tests to ensure the functionality of their product.
Elizabeth Walton	Wilmont	3.2.1.1.1 (Testing and Quality Control Guidelines), 3.2.1.1.2 (Tests Quality Control, and progress reports)	As the Senior Testing Specialist, Walton is responsible for attending the testing analyses run by DroneTech, as well as working with her team to ensure that their product is functional.
Shirley Johnson	Wilmont	3.1.1 (User training), 1.3.1.5 (Pharmacy training)	As change management coordinator, Johnson will assist in the representation of Wilmont to DroneTech in regards to coordinating training sessions and to ensure that everything is successful
Alan Swanson	Wilmont	2.1 (Establish signed contract), 2.1.1 (Project under \$750,000) 2.1.2 (Project start), 2.1.3 (Delivery Flight)	As the attorney, Swanson should ensure that the contract benefits Wilmont and that both parties can come to an agreement

Total Labor and Expense Budget

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Direct Costs							
Labor	Hrs	Salary rate/hr (\$)	Salary Cost (Raw Labor) (\$)	Fringe Benefits (45% of salaries) (\$)	Total Direct Cost Labor (\$)	Billing Rate	Total at Billing
TASKS AND THOSE RESPONSIBLE							
Jordan Kempler 3.2.1 (Employee responsibility) - 80	80	\$100.00	\$8,000.00	\$3,600.00	\$11,600.00	\$250.00	\$20,000.00
Project Manager 1.3.1.5 (Employee responsibility) - 40 1.3.1.5 (Pharmacy education) - 30 2.1 (Establish a signed contract) - 20 2.1.1.1 (Resolve PM issues) - 20 2.1.1.1.1 (refine cost) - 20 2.1.1.1.2 (refine staffing) - 10 2.1.1.1.3 (refine quality) - 30 2.1.1.1.4 (refine schedule) - 10 2.1.1.1.5 (WBS Development) - 20 2.2 (Risk Management) - 60 3.2 (Developer) - 40 3.2.1 (Employee Responsibility) - 40 3.2.1.2 (groups and team meeting scheduling) - 20 3.2.1.2.1 (Progress report sharing) - 60 3.2.1.2.2 (progress report guidelines) - 20 3.4 (Risk Management) - 60	500	\$40.00	\$20,000.00	\$9,000.00	\$29,000.00	\$145.00	\$72,500.00
Stephanie Williams 2.1.1 (Budget) - 10 2.1.2 (Project Start) - 10 2.1.3 (Delivery Flight) - 10 2.2.1 (Risk Handling) - 10 2.1.1.1 (PM meetings) - 12 2.1.1.1.1 (Refine Cost) - 6 2.1.1.1.2 (Refine Staffing) - 6 2.1.1.1.3 (Refine Quality) - 10 2.1.1.1.4 (Refine Schedule) - 4	78	\$33.00	\$2,574.00	\$1,168.30	\$3,732.30	\$100.00	\$7,800.00
Gerald Hasper 1.2 (Drone Flight) - 65 1.4.1 (Risk Handling) - 20 3.1.1 (User Training) - 15 3.3.3 (Information Safety) - 27 3.4.1 (Risk Handling) - 10 2.1.2 (Team Meetings / Training) - 25 3.2.1.2.2 (Progress Reports) - 10	172	\$25.00	\$4,300.00	\$1,935.00	\$6,235.00	\$78.00	\$13,416.00
Eileen Seymour 1.3.1.4 (Integrity of Security) - 40 3.1 (User) - 60 3.3 (Integrity of Security) - 60 3.1.1 (Training) - 100 3.2.1.2 (Team Meetings and Training) - 100 3.3.3 (Safety of Information) - 82 3.2.1.2.2 (Progress Report) - 100	542	\$35.00	\$18,970.00	\$8,536.50	\$27,506.50	\$105.00	\$56,910.00
Katie O'Ryan 2.1 (Establish signed contract) - 10 2.1.1 (Project under \$750,000) - 10 2.1.2 (Project start) - 10 2.1.3 (Delivery Flight) - 10	40	\$70.00	\$2,800.00	\$1,260.00	\$4,060.00	\$300.00	\$12,000.00
Rohan Shah 1.2.1 (Bagging and cushioning system) - 50 1.3.1 (Enhanced Online Order Process) - 88 3.3.1 (Security of Business Info) - 80 3.3.2 (Customer Privacy) - 80 3.3.3 (Safety of Proprietary info) - 105 1.3.1.1 (Customer's Willingness For Drone Delivery) - 88 1.3.1.2 (Customer Approvals) - 80 1.3.1.3 (Communications About Deliveries Electronically Interfaced) - 89 1.3.1.5.1 (How To Use and Package) - 80 1.3.1.5.2 (How to Troubleshoot) - 38 1.3.1.5.3 (Training and Quality Control Guidelines) - 60 3.2.1.1.2 (Tests, QC and Progress reports) - 30	868	\$18.00	\$15,624.00	\$7,030.80	\$22,654.80	\$60.00	\$52,080.00
Shravani Sinha 3.3.1 (Security of business info) - 100 3.3.2 (Customer Privacy) - 110 3.3.3 (Safety of Proprietary info) - 80 3.4.1 (Risk Handling) - 50 3.2.1.1 (Approval Checkpoints) - 50 1.3.1.5.1 (Use and Packaging) - 70 1.3.1.5.2 (troubleshooting) - 60 1.3.1.5.3 (Training and Quality Control Guidelines) - 112 3.2.1.1.1 (Testing and Quality Control Guidelines) - 120	752	\$22.00	\$16,544.00	\$7,444.80	\$23,988.80	\$75.00	\$56,400.00
William Holt 1.1 (Drone Design) - 200 1.4 (Risk Management) - 100 1.2.1 (Bagging System) - 52 3.2.1.1 (Approval checkpoints and meeting note sharing) - 40 3.2.1.1.1 (Testing) - 80	472	\$18.00	\$8,496.00	\$3,823.20	\$12,319.20	\$65.00	\$30,680.00
Ashish Nehra 1.1.1 (Customer Preception) - 50 3.4.1 (Risk Handling) - 30 1.1.1.1 (Drone design) - 40 1.1.1.2 (product knowledge) - 40 1.1.1.3 (Customize App) - 80 3.2.1.1.2 (Test and Quality Control) - 124	364	\$14.00	\$5,096.00	\$2,293.20	\$7,389.20	\$50.00	\$18,200.00
Jessica Smith 1.3.1.5 (Employee responsibility) - 40 1.3.1.5 (Pharmacy education) - 30 2.1.1.1 (Resolve PM issues) - 20 2.1.1.1.5 (WBS Development) - 20 3.2.1 (Employee Responsibility) - 40 3.2.1.2.1 (Progress report sharing) - 60 3.2.1.2.2 (Progress report guidelines) - 20	250	\$27.00	\$6,750.00	\$3,037.50	\$9,787.50	\$90.00	\$22,500.00
Taylor Rembos 1.3.1.5 (Employee responsibility) - 40 1.3.1.5 (Pharmacy education) - 30 2.1.1.1 (Resolve PM issues) - 20 2.1.1.1.5 (WBS Development) - 20 3.2.1 (Employee Responsibility) - 40 3.2.1.2.1 (Progress report sharing) - 60 3.2.1.2.2 (Progress report guidelines) - 20	250	\$27.00	\$6,750.00	\$3,037.50	\$9,787.50	\$90.00	\$22,500.00
Gardner Reid 1.3.1.5 (Employee responsibility) - 40 1.3.1.5 (Pharmacy education) - 30 2.1.1.1 (Resolve PM issues) - 20 2.1.1.1.5 (WBS Development) - 20 3.2.1 (Employee Responsibility) - 40 3.2.1.2.1 (Progress report sharing) - 60 3.2.1.2.2 (Progress report guidelines) - 20	250	\$27.00	\$6,750.00	\$3,037.50	\$9,787.50	\$90.00	\$22,500.00

George Cranston 3.2.1 (Employee responsibility) - 80	80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
James Connor 1.3.1.4 (Integrity of Security) - 40 3.1 (User) - 40 3.3 (Integrity of Security) - 20 3.1.1 (Training) - 20 3.2.1.2 (Team Meetings and Training) - 80 3.3.3 (Safety of Information) - 60 3.2.1.2.2 (Progress Report) - 40	300	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mary Pearson 1.3.1.4 (Integrity of Security) - 80 3.1 (User) - 100 3.3 (Integrity of Security) - 60 3.1.1 (Training) - 140 3.2.1.2 (Team Meetings and Training) - 120 3.3.3 (Safety of Information) - 60 3.2.1.2.2 (Progress Report) - 40	500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
William Scott 1.3.1.4 (Integrity of Security) - 60 3.1 (User) - 40 3.3 (Integrity of Security) - 100 3.1.1 (Training) - 20 3.2.1.2 (Team Meetings and Training) - 40 3.3.3 (Safety of Information) - 40 3.2.1.2.2 (Progress Report) - 20	320	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Julie Green 1.3.1.5.1 (How to properly package) - 20 1.3.1.5.2 (troubleshoot) - 40 1.3.1.5.3 (training and quality control) - 20	80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Steve Haskell 1.3.1.5.1 (How to properly package) - 20 1.3.1.5.2 (troubleshoot) - 40 1.3.1.5.3 (training and quality control) - 20	80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
James O'Donnell 1.3.1.5.1 (How to properly package) - 20 1.3.1.5.2 (troubleshoot) - 40 1.3.1.5.3 (training and quality control) - 20	80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Wilma Marcy 1.3.1.5.1 (How to properly package) - 20 1.3.1.5.2 (troubleshoot) - 40 1.3.1.5.3 (training and quality control) - 20	80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Phillip Greenberg 1.3.1.5 (Pharmacy education) - 20 2.1 (Establish a signed contract) - 20 2.1.1.1 (Resolve PM issues) - 20 2.1.1.1.1 (refine cost) - 30 2.1.1.1.2 (refine staffing) - 20 2.1.1.1.3 (refine quality) - 30 2.1.1.1.4 (refine schedule) - 30 2.1.1.1.5 (WBS Development) - 40 2.2 (Risk Management) - 40 3.2 (Developer) - 40 3.2.1 (Employee Responsibility) - 40 3.2.1.2 (groups and team meeting scheduling) - 80 3.2.1.2.1 (Progress report sharing) - 40 3.2.1.2.2 (progress report guidelines) - 30 3.4 (Risk Management) - 20	500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Linda Thornton 1.1.1 (Customer Perception) - 20 1.1.1.3 (App) - 20 1.3.1 (Online Order Entry) - 30 1.3.1.1 (Customer Delivery Registrations) - 20 1.3.1.2 (Customer Approvals) - 20 1.3.1.3 (Electronic Communications) - 30	140	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Gerald Peritoni 3.2.1.1.1 (Testing and Quality Control Guidelines) - 80 3.2.1.1.2 (Tests Quality Control, and progress reports) - 40	120	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Elizabeth Walton 3.2.1.1.1 (Testing and Quality Control Guidelines) - 100 3.2.1.1.2 (Tests Quality Control, and progress reports) - 50	150	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Shirley Johnson 3.1.1 (User training) - 40 1.3.1.5 (Pharmacy training) - 20	60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Alan Swanson 2.1 (Establish signed contract) - 10 2.1.1 (Project under \$750,000) - 10 2.1.2 (Project start) - 10 2.1.3 (Delivery Flight) - 10	40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	7228		\$122,654.00	\$55,194.30	\$177,848.30		\$407,486.00
				Total Labor			\$177,848.30

Travel						
	Location	# trips	Cost/trip	Total		
	St. Louis	2	\$2,000.00	\$4,000.00		
				Total Travel		\$4,000.00
Subcontracts						
	Firm	Units	Unit Cost	Total		
	DronePaintInc	4	\$200.00	\$800.00		
				Total Subcontractors		\$800.00
Other Expenses						
	Item	Units	Unit cost	Total Other Expenses		
	Drone	4	\$18,034.00	\$72,136.00		
	Drone Maintenance/Repair Parts	1	\$20,000.00	\$20,000.00		
				Total Other Expenses		\$92,136.00
				Mark-up		40%
				Marked-up Other Expenses (40%)		\$128,990.40
						Wilmont
			Total LOE		7228	2610
			Total Labor		\$177,848.30	
			Total Fringe Benefits		\$110,388.60	
			Total Expenses		\$96,936.00	
				Travel	\$4,000.00	
				Subcontracts	\$800.00	
				Other Expenses	\$92,136.00	
				Mark up (%; indicate where applied)		
			Total Direct Costs		\$274,784.30	
			Total Indirect Costs (115% of Raw Labor)		\$141,052.10	
			Total Fully Burdened Cost		\$415,836.40	
			Gross Revenue (Price)		\$541,276.40	
						% of GR
			Gross Margin		\$211,297.80	39.04%
			Net Margin		\$70,245.70	12.98%

Profitability Analysis

Profitability Analysis				
Gross Revenue (Price)			\$541,276.40	
Total Direct Costs			\$274,784.30	
				% of GR
Gross Margin			\$211,297.80	39.04%
Net Margin			\$70,245.70	12.98%
We might improve profitability by charging Wilmont more for the building of the drones, as well as increase billing rate or the hours that the employees are working.				

Work Breakdown Structure



