JHT Adaptive Rower Gantt Chart										
Date Updated: 10/25/2022										
Task Category	Task Title	Designing		Fabrication/Te		ion/Testing	/Testing		Final Deliverables	
		10/24-10/28		11/7-11/11	11/14-11/18	11/21-11/25	11/28-12/2	12/5-12/9	12/12-12/16	
Stabilization Frame	Create fabrication plan for stabilization mechanism prototype									
	Show and Tell									
	Visit JHT to become familar with materials and fabricate initial prototype									
	Integrate initial stabilization mechanism prototype with limit switch									
	Create testing plan for stabilization frame									
	Conduct testing on stabilization frame									
	Analyze testing results using statistical analysis									
	Make adjustments to stabilization frame based on testing analysis									
Mechanical Components of Pulley Plate, Antler, and Console Design	Model the antler and pulley plate design in SolidWorks, making adjustments as needed									
	3D print the antler and pulley Solidworks Design initially with a lower-cost material and a lower infill due to cost					AK				
	Test functionality of SolidWorks antler and pulley design with the rower (ensuring the 3D printed design will not interfere with console rotation)					BREAK				
	Reprint the antler and arm design out of a more durable material (tough PLA) and at a higher infill after functionality testing									
	Develop press fit design for attaching the console to the stepper motor shaft					THANKSGIVING				
	Design motor and circuitry housing					(5				
	Print housing					)S				
	Create testing plan for pulley plate, antler, and console printed design					¥				
	Carry out tesiting on printed design					4				
	Complete testing analysis and adjust design based on results					Ì				
Electrical Components of Pulley Plate, Antler, and Console Design	Purchase motor, power supplies (9V and 12V), Arduino Uno, and motor controller					F				
	Develop and troubleshoot preliminary Arduino code and circuit									
	Generate fabrication plan									
	Finalize code and circuit									
	Generate testing plan									
	Test circuit and code, make adjustments as necessary									
Team Activities	Show and Tell									
	Integrate circuit and code with antler design and stabilization frame									
	Final Presentation and Report									
	Develop Plan for Future Semesters									