AIMM ICC ★ EST. 2023 ★ ARTIFICIAL INTELLIGENCE MARITIME MANEUVER INDIANA COLLEGIATE CHALLENGE

Challenge Competition Scoresheet

Judge Name:_____Date:_____

Team:_____

Water Line Validation: Is water line within "Orange Band" No____ (-30 pts)

Competition Scoring Sheet will be completed for the BEST COMBINED SCORE for all challenges within the allotted time.

For Example:

- LPV successfully completes Challenge #1
- LPV returns to dock (autonomously or with intervention)
- LPV has team intervention (CODE update?)
- LPV is deployed to complete Challenge #3
- LPV returns to dock (autonomously or with intervention)
- Each return to dock will NOT count for Autonomous Navigation pts.
- All Challenge will be combined for total score.

Any remote-control intervention to complete challenge tasks will result in a deduction of points.

1 Gate Navigation		Yes		No		
Successfully Left Dock Untethered			5 pts		0 pts	
Successfully Entered Gate			5 pts		0 pts	
Successfully Exited Gate			5 pts		0 pts	
Contact with buoy(s)	#		X		(-)2 pts	
		Yes		No		
Autonomous Navigation between Challenges			10 pts		0 pts	
2 Slalom Run		Yes		No		
Correct Buoy Navigation	1		10 pts		0 pts	
	2		10 pts		0 pts	
	3		10 pts		0 pts	
	4		10 pts		0 pts	
	5		10 pts		0 pts	
Contact with buoy(s)	#		X		(-)2 pts	
Time Bonus						
Gate A-B Time						
		Yes		No		
Fastest Time			15 pts		0 pts	
		Yes		No		
Autonomous Navigation between Challenges			10 pts		0 pts	
3 Game of Rings		Yes		No		
Ring Collected Correctly	1		15 pts		5 pts	
	2		15 pts		5 pts	
	3		15 pts		5 pts	
	4		15 pts		5 pts	
	5		15 pts		5 pts	
Contact with buoy(s)	#					
Time Bonus						
Gate C-D Time						
		Yes		No		
Fastest Time			15 pts		0 pts	
		Yes		No		
Autonomous Navigation between Challenges			10 pts		0 pts	
4 Pick a Color		Correct				
Color Specified	X	Yes		No		
Black			15 pts		0 pts	
White			15 pts		0 pts	
Purple			15 pts		0 pts	
Orange			15 pts		0 pts	
Yellow			15 pts		0 pts	
Blue			15 pts		0 pts	
Dice Roll Bonus			Yes			
		Successful		25 pts		
					Task 1-4 Total	

		Yes		No		
Autonomous Navigation between Challenges			10 pts		0 pts	
5 Sensor Deployment		Yes		No		
Sensor Successfully Deployed			10 pts		0 pts	
		Yes		No		
Autonomous Navigation between Challenges			10 pts		0 pts	
6 Shore Deployment		Yes		No		
Object Deployed			15 pts		0 pts	
Object Reached Shore			10 pts		0 pts	
Object Fully out of water			10 pts		0 pts	
Object remained on shore			10 pts		0 pts	
		Yes		No		
Autonomous Navigation between Challenges			10 pts		0 pts	
7 Search & Rescue ("Bob for Apples")		Yes		No		
Object Identified & Contacted			10 pts		0 pts	
Object Tethered to LPV			10 pts		0 pts	
Object Removed from Water			25 pts		0 pts	
Object delivered to Dock			20 pts		0 pts	
		Yes		No		
Autonomous Navigation between Challenges			10 pts		0 pts	
8 Sensor Communication		Yes		No		
Sensor Communicates with Base			20 pts		0 pts	
Data Provided to Judges			10 pts		0 pts	
Total Time Bonus		Yes				
Complete a minimum of 4 challenges						
Total Scoring Run Time						
Number of Challenges Completed		%				
Average Per-Task Time						
Fastest Time		Yes				
			60 pts			
Fastest Time		No				
Fastest Time / Your Time	x	60	=		Bonus	
	x	60	=			
					Task 5-8 & Time Bonus Total	
Human Remote Intervention	#		X		(-)5 pts	
					Total	