Challenge Competition Scoresheet

udge Name:	Date:
Геат:	

A team's score will be totaled for the BEST COMBINED SCORE for all challenges completed within the allotted time.

For Example:

- LPV successfully leaves dock and completes Challenge #1
- LPV returns to dock (autonomously or with intervention)
- LPV has team intervention at the dock to modify code or equipment.
- LPV is deployed to complete another challenge of their choosing (Challenge #3)
- LPV completed a challenge (Challenge #3)
- LPV returns to dock (autonomously or with intervention)
- All Challenges successfully completed will be combined for total score.

1 hour will be provided to each team to attempt to complete as many challenges as possible. Teams will not be penalized for prior team's delaying the beginning of their time slot. Judges will have the final determination on "stopping the clock" during a run to make any modifications to the course that will not penalize a team.

Teams are permitted to return to the dock to modify their device or code during the competition run for no penalty.

Completion of Challenge #1 is required to record a score to competition.

If 20 minutes is attempted to complete a Challenge #1 without success, teams are permitted to continue to other tasks for an exhibition run. This exhibition run will not result in a competition score but allow teams to attempt the other challenges.

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

Water Line Validation: Is water line within or above the "Orange Band" on the LPV prior to competition run

No____(-30 pts)



ARTIFICIAL INTELLIGENCE MARITIME MANEUVER INDIANA COLLEGIATE CHALLENGE

1 Gate	Voc	No	6 Launch	Yes	No	
	Yes	No	U Lauriur	162	INO	,
Successfully Left Dock Untethered	1					
Successfully Entered Gate			Object Deployed			
		1 + + - +		+	-	+
Successfully Exited Gate			Object launched approximately greater than 10' from target	\perp		L
Contact with buoy(s	#		Object Peached Target	\Box		
Contact with buoy(s	17	4	Object Reached Target	\vdash		
			Object Landed in Center Section			
	Voc	No				
	Yes	NO	Object Landed on Rim	\perp		
Task completed Autonomously	/		Object remainded on target following landing			
		1	,	-		_
GPS Agnosti		+-+		\perp		\rightarrow
IR/Radar Guidance	: 	1		Yes	No)
Autonomous Navigation between Challenge		1				
Autonomous ivavigation between challenge				\vdash		_
			Task completed Autonomously	1 1		1 1
2 Dodge	Yes	No				
		NO	GPS Agnostic	\vdash		
Correct Buoy Navigation (right or left)	1		IR/Radar Guidance	LI		
	2		Autonomous Navigation between Challenges			
		+ + + + +	Autonomous wavigation between challenges	\vdash		+
	3					
	4		7 Recover	Yes	No	,
	+1			163	140	
			Object Identified & Contacted			
Contact with buoy(s	#		Object Tethered to LPV			7 1
Contact with buoy(s	+*-	-		\vdash		+
			Object Removed from Water		L	
Time Bonus			Object delivered to Dock			
			Object denvered to bock	-	-	
Gate A-I						
Time				Yes	No	,
				163	140	
Record Start Time "Entry"			Task completed Autonomously	┖	l	
Exit Time	Yes	No	GPS Agnostic			
		1 - 100		\vdash		+
Fastest Time			IR/Radar Guidance	\perp	L	
			Autonomous Navigation between Challenges			
		1 1	a.coous Havigation between challenges	\vdash		+
	Yes	No				
Task completed Autonomously	,		8 Receive	Yes	No	,
	_	+ + + + +		103	140	+
GPS Agnosti	1		Sensor Communicates with Base	\perp		
IR/Radar Guidance			Data Provided to Judges			
		+	Data i Tovidea to Judges	\vdash		
Autonomous Navigation between Challenge	· L	J				
			9 Return	Yes	No	,
Ne d-	 	 			- 140	
Evade	Yes	No	LPV returned to base	\Box		
LiDAr Sensor Evaded	1 1					
LIDI II DELIDOT EVUCCO	1	 	T. C. I.T F			
	2		Total Time Bonus	Yes		
			Complete a minimum of 4 challenges			
<u> </u>			Complete a minimum of 4 challenges	ш		
Time Bonus						
Gate C-I			Total Scoring Run Time			
			Total Scoring Kull Tillle			
Time						
			Number of Challenges Consulated		9/	
Record Start Time "Entry"			Number of Challenges Completed		70	
Exit Time	Yes	No				
Fastest Time						
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	V	- N.	A	Г		
	Yes	No	Average Per-Task Time			
Task completed Autonomously	/					
		 		L		_
GPS Agnosti	_					
IR/Radar Guidance			Fastest Time		Yes	
		1 + -	Tustest fille			
Autonomous Navigation between Challenge	. I				163	
		JJ			163	
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I I de marite.				Tim: 1		_
	Co	orrect	Fastes	Time		_
	Co		Fastes	Time		
Color Specified	<u>Cc</u> X Yes	orrect No	Fastes	Time		
Color Specified	Co I X Yes				No	
Color Specified	Co I X Yes				No	
Color Specified Purple Orange	Cc Yes				No	
Color Specified Purple Orange Yellov	Cc X Yes		Fastes Fastest Time Your Time		No	us
Color Specified Purple Orange	Cc X Yes				No	us
Color Specified Purple Orange Yellov	Cc X Yes				No	us
Color Specified Purple Orange Yellov Blue	Cc Yes	No	Fastest Time Your Time		No	us
Color Specified Purple Orange Yellov	Cc Yes		Fastest Time Your Time	× 60	No Bont	us
Color Specified Purple Orange Yellov Blue	X Yes	Yes	Fastest Time Your Time	× 60	No Bont	us
Color Specified Purple Orange Yellov Blue	Cc Yes	Yes	Fastest Time Your Time	× 60	No Bont	us
Color Specified Purple Orange Yellov Blue	X Yes	Yes	Fastest Time Your Time	× 60	No Bont	us
Color Specified Purple Orange Yellov Blue	X Yes	Yes	Fastest Time Your Time	× 60	No Bont	us
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Color Specified Purple Orange Yellov Blue Random Selection Bonu	Successful	Yes	Fastest Time Your Time	x 60 x 60	No Bont	
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