Challenge Competition Scoresheet

Judge Name:_		[Date:	
Team:				
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A team's score will be totaled for the BEST <u>COMBINED</u> 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	Yes	No		6 Launch		Yes		No	
Successfully Left Dock Untethered	5 pt	ts	0 pts		Object Deployed		15 pts	0 p	ts
Successfully Entered Gate			0 pts	Object launched a	pproximately greater than 10' from target		10 pts	0 p	
				Object iduntried a	pproximatery greater triali 10 from target	_	το ρις	lu p	LS
Successfully Exited Gate	5 pt	ts	0 pts					$oxed{oxed}$	
					Object Reached Target		10 pts	0 p	ts
Contact with buoy(s	# X	X (-)	2 pts		Object Landed in Center Section		10 pts	0 p	
Somuce with buoy(s		17				_			
					Object Landed on Rim		10 pts	0 p	
	Yes	No		Obje	ect remainded on target following landing	L	10 pts	0 p	ts
Task completed Autonomously		nts	0 pts						
				- 	+	1.,	-		\dashv
GPS Agnostic			0 pts	_		Yes		No	L
IR/Radar Guidance	5 pt	ts	0 pts						
Autonomous Navigation between Challenges			0 pts		Task completed Autonomously		10 pts	0 p	its
Autonomous wavigation between chancinges	101	513	o pts	-		_			
					GPS Agnostic		5 pts	0 p	ts
2 Dodge	Yes	No			IR/Radar Guidance		5 pts	0 p	ts
			0 pts	Auto	onomous Navigation between Challenges		10 pts	0 p	
Correct Buoy Navigation (right or left)				Auto	onomous Navigation between Challenges		10 pts	Up	ts
	2 10 p	pts	0 pts						
	3 10 p	nts	0 pts	7 Recover		Yes		No	
				, necover	01:	103		-	
	4 10 p	pts	0 pts		Object Identified & Contacted		10 pts	0 p	
					Object Tethered to LPV		10 pts	0 p	ts
Contact with buoy(s	# x	x (-1	2 pts		Object Removed from Water		25 pts	0 p	
Contact with buoy(s	-"X	(-).	- pto			+			
					Object delivered to Dock		20 pts	0 p	ts
Time Bonus									
						Va-	$\overline{}$	No	\dashv
Gate A-E						Yes		No	
Time					Task completed Autonomously		10 pts	0 p	ts
Record Start Time "Entry"					GPS Agnostic		5 pts	0 p	
	,					+			
Exit Time	Yes	No		_	IR/Radar Guidance		5 pts	0 p	
Fastest Time	15 p	pts	0 pts	Auto	onomous Navigation between Challenges		10 pts	0 p	ts
- I I I I I I I I I I I I I I I I I I I						_		H-1-P	
				<u> </u>		-	\leftarrow		—
	Yes	No		8 Receive		Yes		No	
Task completed Autonomously		pts	0 pts		Sensor Communicates with Base		20 pts	0 p	its
				-		+			
GPS Agnostic			0 pts		Data Provided to Judges		10 pts	0 p	ts
IR/Radar Guidance	5 pt	ts	0 pts						J
Autonomous Navigation between Challenges	10 p	nts	0 pts	8 Return	i i	Yes		No	
	1101		- 600		100/	103			+-
					LPV returned to base		10 pts	0 p	LS
3 Evade	Yes	No							
LiDAr Sensor Evaded			0 pts	Total Time Bonu	us.	Yes			
LIDAI SCIISOI EVAUEC				- Iotal Illie Bullo		163			
	2 15 p	ρts	0 pts		Complete a minimum of 4 challenges		4		
Time Bonus					Total Scoring Run Time				
					Total Scoring Kun Time				
Gate C-D									
Time					Number of Challenges Completed		0/		
					Number of Challenges Completed		/0		
Record Start Time "Entry"									
Exit Time	Yes	No					أوري		
				_			_		
Fastest Time	15 p	pts	0 pts						
					Average Per-Task Time				
	Ve-	NI.			stage i et itask fillie				
	Yes	No							
Task completed Autonomously	10 p	pts	0 pts						
GPS Agnostic			0 pts		Fastest Time		Yes		
					rastest time		162	1	
IR/Radar Guidance	5 pt	ts	0 pts					60 pts	
Autonomous Navigation between Challenges	10 p	pts	0 pts						
	1201				Francis	Time	No		
					Fastest	ııme	No		
4 Identify	Correc	<u>ct</u>							
Color Specified		No							
· · · · · · · · · · · · · · · · · · ·			Onto		5			Dar	
Purple			0 pts		Fastest Time	x 60		Bonus	
Orange	15 p	pts	0 pts		Your Time '	. 50			
Yellow			0 pts						
				_			الورية		
Blue	15 p	ρts	0 pts			x 60	=		
						. 50	التاريخ		
Random Selection Bonus	. V.	20							
kandom Selection Bonus				_			البريد		
	Successful	25 pts							
 	+					1			
	Yes	No			Ta	sk 6-9	& Time	Bonus Tot	tal
Task completed Autonomously	10 p	pts	0 pts				7	Task 1-5 Tot	tal
							— ·	= 5 .00	
GPS Agnostic			0 pts			\perp			
IR/Radar Guidance	5 pt	ts	0 pts		Human Remote Intervention #	#	Х	(-)	5 pts
						_			
Autonomous Navigation between Challenges	10 p	ρις	0 pts						
								Tot	tal
5 Denloy	Yes	No							
5 Deploy		No							
Sensor Successfully Deployed	10 p	pts	0 pts						
, , , , ,									
H		-							
	Yes	No							
Task completed Autonomously	10 p	pts	0 pts						
GPS Agnostic	5 pt		0 pts						
IR/Radar Guidance	5 pt	ts	0 pts						
Autonomous Navigation between Challenges	10 p	μιs	0 pts						
		\neg							
			Total						