## 2023 모의 IMO 총회 지원신청서

## The 2023 Mock IMO Assembly **Application Form**

Team Name				
Presentation Topic	■ Safety	☐ Environment	☐ Regulation	☐ Policy
	☐ Education	☐ Logistics	☐ Etc.(related	I with IMO)
Presentation Title	Drone Search and Rescue System			
Abstract	Each year, man-overboard accidents are ceaselessly taking place all over the world Only immediate response to man-overboard accidents can help to locate person overboard and rescue them. Therefore our team came to devise a way to immediatel recognize the falling accidents by MOB alert system and recover them after a quic search by SAR drones.  Man-overboard alert system consists of three types of sensors as follows. Infrare camera which detects body heat, Motion recognizer that distinguishes people from an other objects on deck, and speed sensor that measures how quickly objects fa overboard. Upon notification of the fall accident, officer of the watch can monitor it for assessing the situation.  Electronic Chart Display Information System receives a signal from the alert system and marks MOB position on the chart. Drifting speed and time interval are used to compute the datum, at which point SAR drones commence search operation be thermo-graphic camera. Once the person is located, SAR drone hands out a life rin to him, and starts tracking him to constantly transmit GPS location information to this hip. As the ship reaches him, it'll launch rescue boat to recover him.  In recent times, Application of drone to maritime field entered an initial phase However we design a rapid SAR system by MOB alert and regulate its minimur functional requirements to save people who have fallen overboard			