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## READINESS OF THE MARITIME INSTITUTION'S CADETS AND FACULTY TOWARDS THE LEARNING MANAGEMENT SYSTEMS

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### ABSTRACT

The Maritime Institutions is the only STCW program that caters to the Bachelor of Science in Marine Transportation (BSMT) and Bachelor of Science in Marine in Engineering (BSMARE) Program. The impact of the current pandemic situation affected the normal operations of the institution by following the Government's Inter-Agency Task Force (IATF) on COVID-19 guidelines, thus the academy is also facing challenges with the current situation like how our Faculty will deliver the same High quality of education to our cadets. The Commission on Higher Education sets a national advisory regarding the flexible learning that will address the current situation in all Higher Educational Institutions(HEI) in the Philippines. Maritime Institution's task is to implement and deliver a new flexible learning mode or alternative learning mode which is the Learning Management Systems with the combination of Augmented Reality (AR) and Virtual Reality (VR) to the Cadets and Faculty, with this new approaches to the readiness of each Faculty and Cadets is now on the process of gearing up.

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**Keywords:** Readiness, Learning Management Systems, Cadets, Faculty

### INTRODUCTION

The Maritime Institutions is the only STCW program that caters to the Bachelor of Science in Marine Transportation (BSMT) and Bachelor of Science in Marine in Engineering (BSMARE) Program. The impact of the current pandemic situation affected the normal operations of the institution by following the Government's Inter-Agency Task Force (IATF) on COVID-19 guidelines, thus the academy is also facing challenges with the current situation like how our Faculty will deliver the same High quality of education to our cadets. With the increasing number of infected persons every day there is a need to implement the Learning Management Systems in every institution as part of the flexible learning modalities to follow the standard quarantine protocol set by the Inter-Agency Task Force (IATF). The development also had a massive impact on teaching that is why in Austria they avoid largely face-to-face. In an Austrian university regarding e-learning before and during the first three weeks of the exchange of the teaching system, using the Learning Management Systems, (Ebner et al., 2020).

The Commission on Higher Education sets a national advisory regarding the flexible learning that will address the current situation in all Higher Educational Institutions(HEI) in the Philippines. Most of the Maritime Institutions' task is to implement and deliver a new flexible learning mode or alternative learning mode which is the Learning Management Systems with the combination of Augmented

Reality (AR) and Virtual Reality (VR) to the Cadets and Faculty, with this new approaches to the readiness of each Faculty and Cadets is now on the process of gearing up. Significant advancement in virtual reality (VR) and augmented reality (AR) space gave rise to AR/VR-based simulation devices exclusively used as adjunct instruction tools during the pre-clinical training period in the health program, (Elangovan, Mahrous, & Marchini, 2020). Most institutions preferred online learning through pre-recorded lectures uploaded to Google Classroom and YouTube amidst the current pandemic. While the biggest challenge for institutions is internet connectivity, for diploma students, it is the difficulty in understanding the content of the subject. Moving forward, the government, telecommunication companies, and universities should invest in developing internet infrastructure across the country as online learning will be the new norm in the foreseeable future. Other Institutions also need to provide further training to enhance academics' online teaching skills to ensure lessons are delivered more effectively, (Chung, Subramaniam, & Dass, 2020).

## METHODS

The Researcher will be conducting a data-gathering process but due to the pandemic and quarantine protocols, Google Form will be utilizing to be circulated within the Academic Building and will be participating by both Cadets and Faculty to answer and right after the results will be generated with the tallied results and from then the results will be statistically treated based on the research problems encountered. Qualitative and Descriptive Research Design will be used during the whole process. Qualitative and descriptive research methods have been very common procedures for conducting research is multidisciplinary, including education, psychology, and social sciences. It also began the increasing used in the field of second language teaching and learning, (Nassaji, 2015). This is to ensure the validity of the results and will give pavement to what is so-called the Readiness of the Cadets in times of the pandemic.

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## RESULTS AND DISCUSSION

In conclusion, Most of the Maritime Institutions are now doing its best to prepare for the upcoming opening of classes in the New Normal by facilitating online training to all faculty and staff, preparing the Powerpoint slide to be embedded to the newly developed Learning Management Systems (LMS). Having new system will really transformed the Entire Maritime Institutions. The LMS specification aims at capturing the complete learning flow of courses, without being restricted to a particular pedagogical model in education, (Cid, Valentín, Gutiérrez, Pardo, & Kloos, 2007)

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