

*“The **SEA** is **SAFER**, when **BUOYANI** is on the **WATER**.”*

TEAM MAHARLIKA

Marc Bermundo

Erwin Bonto

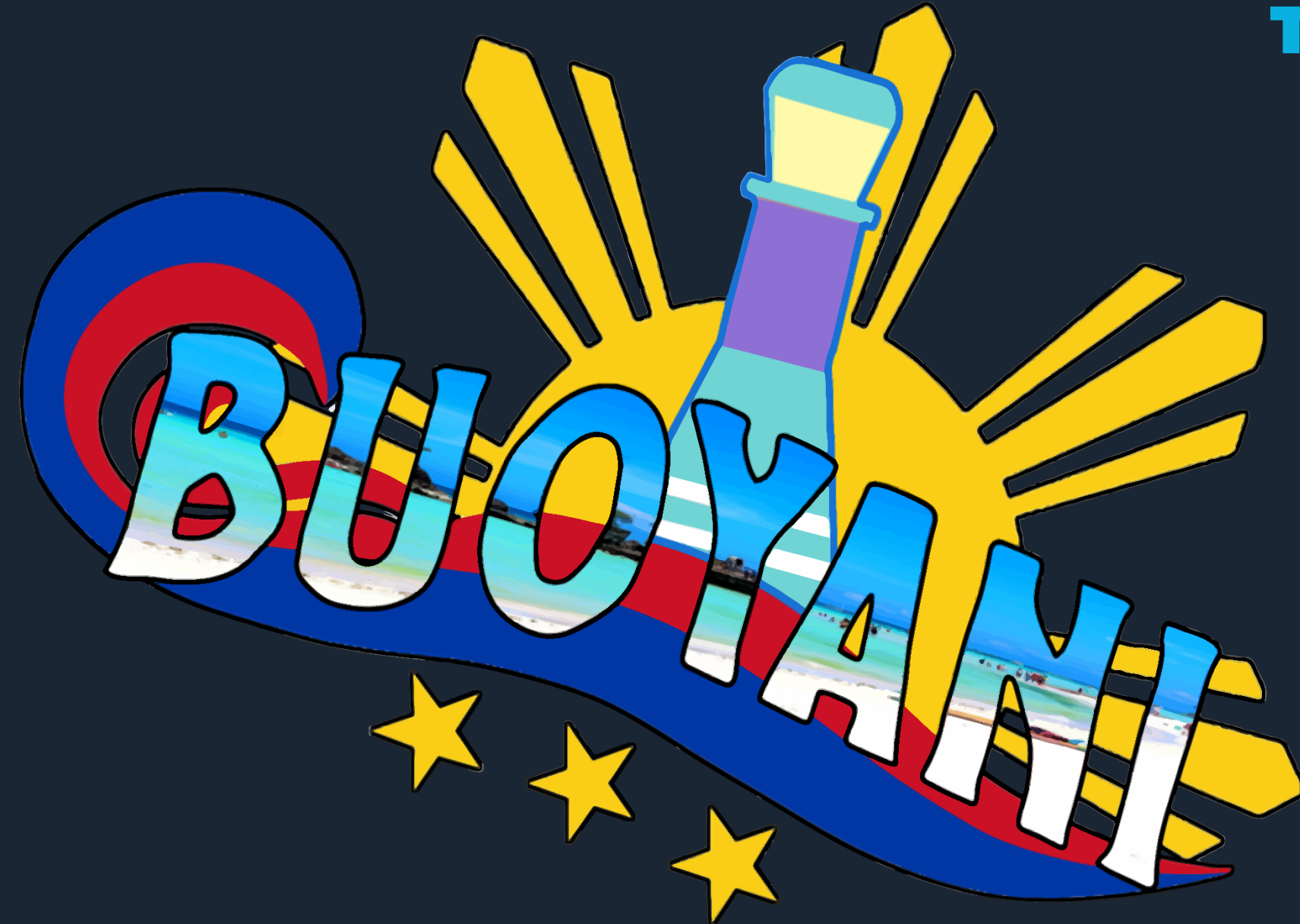
Julius Ele

Cyrus Olmon

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BUOYANI

*Ang bagong
kaagapay sa
dagat.*



Background

illegal *Fishing* IN THE PHILIPPINES



KARAGATHON
A HACKATHON TO COMBAT
ILLEGAL FISHING IN
THE PHILIPPINES



**KARAGATAN
PATROL**



Significance

A BUOY THAT FOCUSES ON MONITORING MUNICIPAL WATERS WITH LOW-COST AND EFFICIENT MATERIALS THAT CAN EASILY RELAY INFORMATION TO THE AUTHORITIES IN THE NEAREST AREA.



Objectives

- DEVELOP A BUOY WITH A SYSTEM THAT DELIVER ACCURATE AND PRECISE DATA FROM DIFFERENT DETECTION AND RANGING SENSORS TO A SYSTEMATIC DATABASE.
- ASSIST THE AUTHORITIES BY PROVIDING REAL TIME INFORMATION COMING FROM INCOMING FISHING VESSELS AROUND THE BUOY'S RANGE OF DETECTION.
- PROVIDE SURVEILLANCE FOR THE SAID FISHING VESSELS BY EQUIPPING HIDDEN CAMERAS TO THE BUOY.
- TRACK FISHING VESSELS AROUND THE BUOY'S RANGE OF DETECTION USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (GPS).



Expected Outcomes

- BUOYANI'S REAL TIME INFORMATION GATHERING AND RELAY IS ACCURATE AND PRECISE IN TRACKING DOWN ILLEGAL FISHING VESSELS, ALONG WITH THE HELP OF EXISTING TECHNOLOGIES.
- BUOYANI'S TRACKING METHODS ARE EFFECTIVE IN ASSISTING THE AUTHORITIES IN APPREHENDING ILLEGAL FISHING IN THE MUNICIPAL WATERS IN THE PHILIPPINES.



Product Exhibition



Video Presentation:

<https://www.youtube.com/watch?v=JsaFsHrOKgk>

Video Presentation for CAD:

<https://www.youtube.com/watch?v=E1JNKap3Mcc>



Video Presentation:

<http://www.mediafire.com/file/1ooyzacrcrcqzuy/file>

Video Presentation for CAD:

<http://www.mediafire.com/file/sekcxsmjmssfmj4/file>

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