

# Marine Biology Data Geographic Information System Project Plan

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## **Project Description:**

There is lots of data tied to location and time. A GIS database needs to be built that can then be sorted and small quantities of the data output.

## **Motivation:**

The Marine Biology department has access to many formats of data. In order to analyze these data they need to be able to sort through it for things like location or time period. Meaningful discoveries cannot be made until the data can be analyzed.

## **Technical Challenges:**

Interface data with analysis tools such as Matlab, Grass, or QGIS.

## **Milestone 1 (Feb 22):**

- Define the requirements from Marine Biology
- Familiarize myself with the data
- Choose tool to interface with
- Requirement Document
- Design Document
- Test Plan

## **Milestone 2 (Mar 26):**

- Implement core features
- Test the core features

## **Milestone 3 (Apr 23):**

- Add more features
- Test the additions

## **Faculty Sponsor:**

**Department:** Software Engineering

**Email:** kgallagher@fit.edu

**Faculty Sponsor Statement:**

I have discussed with the team and approve this project plan. I will evaluate the progress and assign a grade for each of the three milestones.

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_