PROJECT REPORT

**Introduction**

* Fishing is an important activity that provides food and income to many people worldwide. Knowing the presence of fish in a particular area can help fishermen plan their activities and increase their catch. However, detecting fish in a large body of water can be challenging, and traditional methods may not be effective. Machine learning can help solve this problem by using data to predict the presence of fish.

**Problem Statement**

* The problem statement for this project is to detect the presence of fish in a body of water based on temperature and season. We aim to build a machine learning model that can predict the presence of fish with high accuracy.

**Results**

* Our best model was an Naïve Bayes model, which achieved an accuracy of 95% on the test set. The model showed that water temperature and season are significant predictors of the presence of fish in the water.

**Conclusion**

* The machine learning model we built showed that it is possible to detect the presence of fish in the water based on temperature and season. Our findings can help fishermen plan their activities more effectively, increase their catch, and reduce their environmental impact. Future work can include collecting data from more lakes and rivers and testing the model on new data to validate its accuracy.

(Note : we have not yet build the GUI for this project once we develop it we will upload it on github and share with you.)