Project Initialization and Planning Phase Report

Date	7 July 2024
Team ID	739781
Project Name	Abalone Age Prediction
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

The current process of predicting the age of abalones presents challenges, impacting both researchers and fisheries' operations. Predicting the age of abalones accurately is crucial for understanding their growth patterns and ensuring sustainable harvesting practices. However, traditional methods, such as counting growth rings, are time-consuming and require expert knowledge. These challenges lead to inefficiencies and potential inaccuracies, affecting the sustainability and profitability of abalone farming and research.

To enhance our services and improve accuracy in age prediction, we aim to address these pain points by implementing a machine learning model that can predict the age of abalones based on physical measurements. By understanding the specific frustrations during the age prediction process and implementing modern solutions, we can create an efficient, user-friendly system.

Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS 1	A researcher in marine Biology.	Predict the age of abalones accurately.	Traditional methods are time-consuming and require expert knowledge.	Physical measurements can be used to predict age with machine learning.	Confident in the accuracy and efficiency of age predictions.