



## **Data Collection and Preprocessing Phase**

Date	01-10-2024	
Team ID LTVIP2024TMID25000		
Project Title	SMS Spam Detection	
Maximum Marks	2 Marks	

## **Data Quality Report Template**

The Data Quality Report outlines data quality issues from the selected dataset, including their severity levels and the proposed resolution plans. This report helps systematically identify and address any discrepancies or issues with the dataset to ensure high-quality input for the machine learning model.

Data Source	Data Quality Issue	Severit	Resolution Plan
Kaggle SMS Spam Collection Dataset	Presence of special characters, URLs, and numbers in text data	Moderas te	Clean the text by removing pecial characters, links, and numbers using regular expressions.
Kaggle SMS Spam Collection Dataset	Imbalanced classes between spam and non-spam messages	High	Use class weighting or slike SMOTE to handle imbalance.
Kaggle SMS	Text data needs to	Moderal	Jse Tfidf Vectorizer to transform





Spam Collection Dataset	be converted into numerical format	te	text into numerical features for model input.
Kaggle SMS Spam Collection Dataset	Presence of duplicate messages l in the dataset	Low	Remove duplicate rows to avoid model bias.