



Data Collection and Preprocessing Phase

Date	24 SEPTEMBER 2024
Team ID	SWTID1727151090
Project Title	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation
Maximum Marks	2 Marks

Data Quality Report Template

The Data Quality Report Template will summarize data quality issues from the selected source, including severity levels and resolution plans. It will aid in systematically identifying and rectifying data discrepancies.

Data Source	Data Quality Issue	Severity	Resolution Plan
Dataset	Missing values	Moderate	Imputation Resolution using Pandas: import pandas as pd import numpy as np from sklearn.impute import SimpleImputer # Sample DestGrame with missing values data = {\frac{1}{A^*}: \frac{1}{12}, \text{p.ng.ng., 4}},





Dataset	Duplicate values	Low	<pre>Using Pandas: import pandas as pd # Sample DataFrame with duplicat data = {'A': [1, 2, 3, 1, 2],</pre>
Dataset	Data inconsistency and accuracy	High	train_datagen = ImageDataGenerator(rescale=1./255, shear_range=0.2, zoom_range=0.2, horizontal_flip=True) test_datagen = ImageDataGenerator(rescale=1./255,