Data Collection and Preprocessing Phase

Date	6/20/2025
Project Title	Arrhythmia Classification using DeepLearning
Maximum Marks	2 Marks

Data Quality Report:

The Data Quality Report 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 Quality Report:

Data Source	Data Quality Issue	Severity	Resolution Plan
Internal ECG Dataset	Missing or unreadable images	High	Remove or replace missing/corrupted images
Internal ECG Dataset	Incorrect or inconsistent labels	High	Manual review and correction by domain experts
Internal ECG Dataset	Class imbalance (e.g., fewer samples for some arrhythmias)	Moderate	Use data augmentation or resampling
Internal ECG Dataset	Noise/artifacts in some images	Moderate	Apply image denoising or filtering techniques
Internal ECG Dataset	Varying image resolutions or formats	Low	Standardize all images to a common size/format