**Data Collection and Preprocessing Phase**

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| --- | --- |
| 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 |