Data Collection and Preprocessing Phase

Date	15 June 2025
Team ID	SWTID1749820017
Project Title	Dog Breed Identification using Transfer Learning
Maximum Marks	2 Marks

Data Quality Report

Data Source	Data Quality Issue	Severity	Resolution Plan
Dataset	Class imbalance – some breeds have far fewer images	High	Apply data augmentation (rotation, flip, zoom) to increase minority class samples
Dataset	Varying image sizes and resolutions	Moderate	Resize all images to a fixed size (e.g., 331x331) during preprocessing
Dataset	Background noise and unrelated objects in images	Low	Use data augmentation with cropping and focus

			detection; CNNs generally handle this