

Data Collection and Preprocessing Phase

Date	3 July 2024
Team ID	SWTID1720093035
Project Title	TechPart Vision: Personal Computer Parts Image Classification Using EfficientNet Transfer Learning
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Template

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

Data Collection Plan Template

Section	Description
Project Overview	TechPart Vision leverages EfficientNet transfer learning to revolutionize computer hardware recognition, enhancing e-commerce, repair services, and inventory management by accurately classifying components like CPUs and GPUs from images, improving efficiency, user experience, and business decision-making.
Data Collection Plan	Skillwallet project folder. Link: https://www.kaggle.com/datasets/asaniczka/pc-parts-images-dataset-classification

Raw Data Sources Identified	Link: https://www.kaggle.com/datasets/asaniczka/pc-parts-images-dataset-classification file size:36MB
-----------------------------	---

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Dataset 1	The "PC Parts Images Dataset [Classification]" contains labeled images of various personal computer components for training image classification models.	https://www.kaggle.com/datasets/asaniczka/pc-parts-images-dataset-classification	zip	36MB	Public