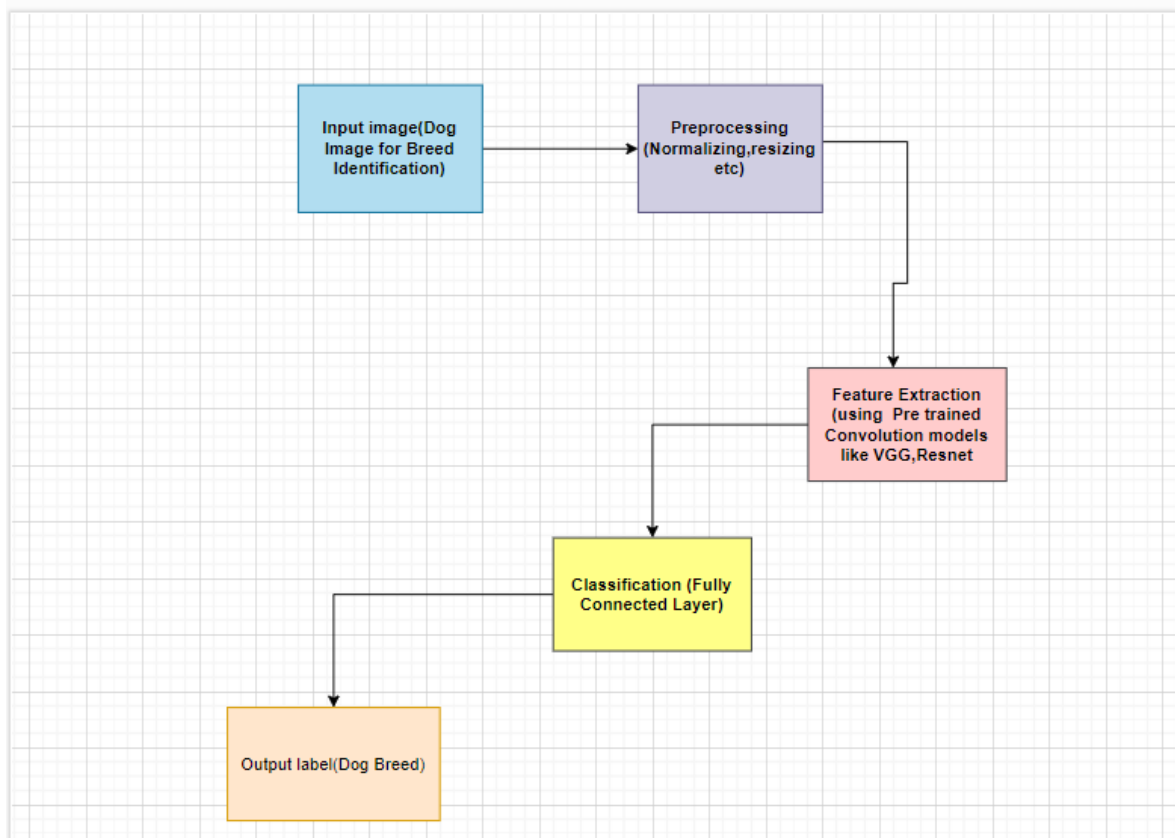


Project Design Phase-II
Data Flow Diagram & User Stories

Date	20 October 2023
Team ID	PNT2022TMID591889
Project Name	Dog Breed Identification using Transfer Learning
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



USER STORIES:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
General User	Upload Dog Image for Identification	US1	As a user, I want to upload an image of a dog so that I can identify its breed.	<ul style="list-style-type: none">• The system should have an interface with an "Upload" button.• It should accept various dog image formats (e.g., JPEG, PNG).• Upon upload, the system should display a preview of the uploaded image.	High	1.0
General User	View Predicted Dog Breed	US2	As a user, I want to see the predicted breed along with its probability score.	<ul style="list-style-type: none">• After image upload, the system should display the top predicted breed(s) and their corresponding probability scores.	High	1.0

General User	Support Multiple Image Formats	US3	As a user, I want the system to handle various dog image formats (e.g., JPEG, PNG) for convenience.	<ul style="list-style-type: none"> The system should be able to process multiple image formats without errors. 	Medium	1.1
General User	Provide Feedback for Incorrect Predictions	US4	As a user, I want to receive feedback if the model prediction is incorrect, so that the system can be improved.	<ul style="list-style-type: none"> If the user disagrees with the prediction, there should be an option to provide feedback. The feedback mechanism should be user-friendly and intuitive. 	Medium	1.1
Administrator	Logging and Monitoring	US5	As an administrator, I want to monitor user interactions and model performance for analysis and improvement.	<ul style="list-style-type: none"> The system should log relevant data, including user interactions and prediction results, for analysis. There should be a dashboard or interface for administrators to view these logs. 	High	1.2

Developer	Extensibility	US6	As a developer, I want the system to be extensible so that I can add new dog breeds or improve the model in the future.	<ul style="list-style-type: none"> The system's architecture should allow for easy addition of new dog breeds or improvements to the model without significant code changes. 	High	2.0
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