

Ideation Phase

Empathize & Discover

Date	14 Feb 2026
Team ID	LTVIP2026TMIDS52481
Project Name	Dog Breed Identification using Transfer Learning
Maximum Marks	4 Marks

Empathy Map Canvas:



Pains (Problems / Challenges)	Gains (Benefits / Value)
1. Difficulty Identifying Dog Breeds <ul style="list-style-type: none"> Many dog breeds look visually similar Non-experts cannot correctly recognize breeds from images 	1. Fast Breed Identification <ul style="list-style-type: none"> AI model detects dog breed instantly from an image Saves time for pet owners and veterinarians
2. Manual Verification Dependency <ul style="list-style-type: none"> Requires veterinarians or breed experts Time-consuming and inefficient for quick identification 	2. Automated Image-Based Diagnosis <ul style="list-style-type: none"> CNN / Transfer Learning analyzes images automatically Reduces dependence on manual breed experts
3. Limited Accessibility <ul style="list-style-type: none"> Breed information not easily available everywhere Pet owners in remote areas lack expert guidance 	3. High Prediction Accuracy <ul style="list-style-type: none"> Deep learning captures subtle visual features

4. Human Error <ul style="list-style-type: none">• Misidentification due to lack of knowledge or experience• Inconsistent results across different observers	<ul style="list-style-type: none">• Provides reliable and consistent classification results 4. Scalable & User Friendly <ul style="list-style-type: none">• Can classify thousands of images efficiently• Useful for mobile apps, veterinary tools, and pet services
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