

# Ideation Phase

## Empathize & Discover

Date	13 October 2023
Team ID	Team - 591740
Project Name	Dog Breed Identification Using Transfer Learning
Maximum Marks	4 Marks

### Empathy Map Canvas:

- An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviors and attitudes.
- It is a useful tool to help teams better understand their users.
- Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.

## EMPATHY MAPPING

### DOG BREED IDENTIFICATION USING TRANSFER LEARNING

#### Dog Breed Identification Using Transfer Learning

Dog breed identification using transfer learning, particularly with the VGG19 architecture, involves training a deep learning model to classify dog images into specific breed categories. A comprehensive dataset of labeled dog images is essential, encompassing various breeds with proper labels. The model learns to recognize distinct visual features in the images during training, adjusting its internal weights to enhance classification accuracy. This technology has practical applications in veterinary diagnosis, pet owner understanding, and dog-related services like adoption, breeding, and training. Additionally, it supports research in studying the genetic and phenotypic characteristics of different dog breeds.

