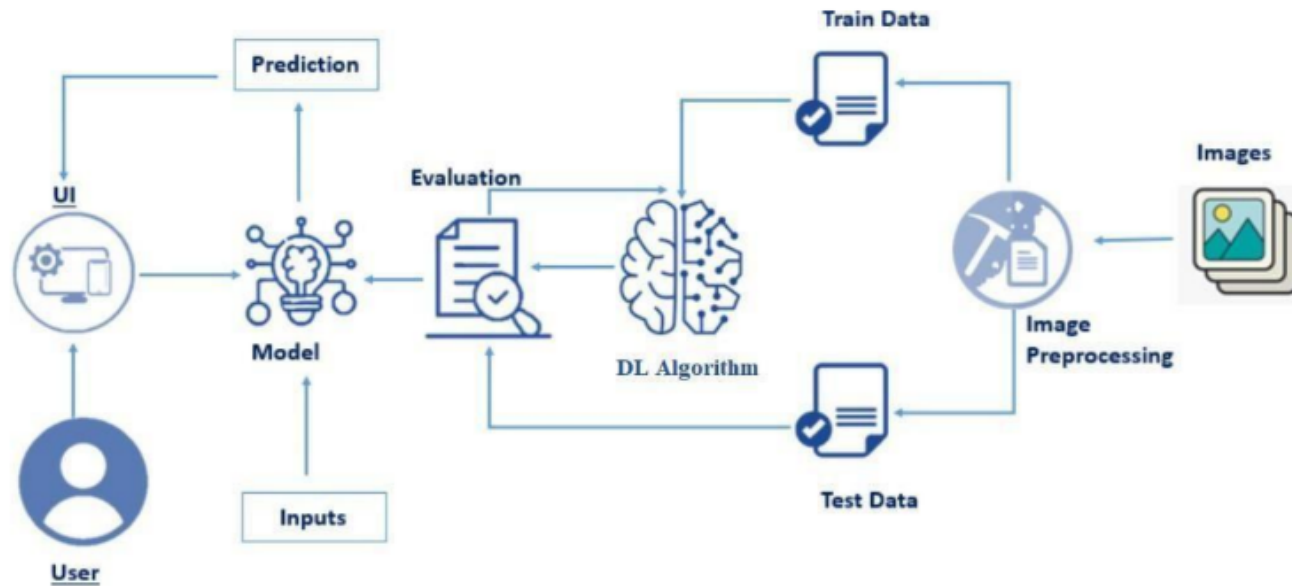


Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	08 November 2023
Team ID	592310
Project Name	Dog breed classification using Transfer Learning
Maximum Marks	4 Marks

Technical Architecture



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Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	UI will be a web application where users can learn about different dog breeds and test the model	HTML, CSS, JavaScript ,Flask
2.	Application Logic	The Deep learning model is trained using the transfer learning method with the data set. It will be deployed in the website to enable users to find out the breed of a dog with ease	Python
7.	File Storage	File storage requirements	Local Filesystem
10.	Machine Learning Model	Purpose of the model is to predict the breed of a dog with the help of a picture	CNN,VGG19.
11.	Infrastructure (Server / Cloud)	Application Deployment on Local System	Local

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Numpy Pandas Scikit-Learn tensorflow Keras Flask	Technology of Opensource framework

2.	Security Implementations	none	none
3.	Scalable Architecture	none	none