Project Development Phase Model Performance Test

Date	20 November 2022
Team ID	PNT2022TMID25918
Project Name	Natural Disasters Intensity Analysis and Classification Using Artificial Intelligence
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Metrics	Deep Learning Model – CNN Accuracy through epoch	40/40 [====================================
			0,9242 Out[16]: <pre>class (callbacks.History at 0x2133fde0e10></pre>

2.	Preprocess and Train the model	Using data augmentation and train test split method	In []: #performing data agumentation to train data
3.	Test the model	By loading the pretrained model and predicting the results	<pre>In [17]: from tensorflow.keras.models import load_model from tensorflow.keras.utils import load_img,img_to_array model = load_model("/content/disaster.h5") #loading the model for testing In [18]: img = load_img(r"/content/e2.jpg",grayscale=False,target_size= (64,64))#loading of to the start of th</pre>