Project Development Phase Model Performance Test

Date	16 November 2022	
Team ID	PNT2022TMID41278	
Project Name	Project - Emerging Methods For Early	
	Detection Of Forest Fires	
Maximum Marks	10 Marks	

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Model Summary	-model is developed and stored in	<pre>space_uid = quid_from_space_name (client, 'image-classification') print("Space_UID = ". space_uid)</pre>
	,	IBM watson studio and it can be	Space UID = 02cde4c6-ce63-4709-90ee-abbd57c0cda0
			In [161]: client.set.default_space (space_uid)
		called using the model ID and can	Out[161]:
		be deployed locally	'SUCCESS'
			model_details = client_repository_store_model model='image-classification-model_mew.tgr' _cmes_prepscmes_prepscmes_prepscmes_preps_model_mem_station_station_cmesclient_repository_ModelPetailmem_TUTETemmortles_2.7* _client_repository_ModelPetailmem_TUTETemmortles_2.7* _client_repository_ModelPetailmem_SOFYMANG_SPEC_UTO_software_upsc_uid _lient_repository_ModelPetailmem_SOFYMANG_SPEC_UTO_software_upsc_uid _lient_repository_ModelPetailmem_S
			model_id = client.repository.get_model_wid (model_detalis) This method is deprecated, please use get_model_id()
			In [165]:
			Out[165]: 'aab649db-b904-66c0-a679-c41d60fe8faf'
2.	Accuracy	Training Accuracy – 83%	xtrain = train_datagen.flow_from_directory('/content/Dataset/Dataset/train_set', target_size=(G4,64), class_mode='binary', batch_size=100)
			D. Found 436 images belonging to 2 classes.
		Validation Accuracy -75%	[] xtest = train_datagen.flow_from_directory('/content/Dataset/Dataset/test_set', target_size_(66,64), class_mode='binary', batch_size_100)
			Found 121 images belonging to 2 classes.
		Class Detected - 2	 model.fit_generatesterpterate,
3.	Confidence Score		[] x=image.img_to_array(img)
		Confidence Score -79	<pre>#expand the image shape x=np.expand_dims(x,axis=0)</pre>
		Confidence Score -73	pred=model.predict(x)
		Prediction	[> 1/1 [======]] - 0s 110ms/step
		rediction	[] print (pred)
			[[1.]]