

Project Development Phase
Model Performance Test

Date	18 November 2022
Team ID	PNT2022TMID33925
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.	Model Summary	-	<div><pre>model.summary()</pre></div> <div>Model: "sequential"</div> <table><tr><th>Layer (type)</th><th>Output Shape</th><th>Param #</th></tr><tr><td>conv2d (Conv2D)</td><td>(None, 62, 62, 32)</td><td>896</td></tr><tr><td>max_pooling2d (MaxPooling2D)</td><td>(None, 31, 31, 32)</td><td>0</td></tr><tr><td>conv2d_1 (Conv2D)</td><td>(None, 29, 29, 32)</td><td>9248</td></tr><tr><td>max_pooling2d_1 (MaxPooling2D)</td><td>(None, 14, 14, 32)</td><td>0</td></tr><tr><td>flatten (Flatten)</td><td>(None, 6272)</td><td>0</td></tr><tr><td>dense (Dense)</td><td>(None, 128)</td><td>802944</td></tr><tr><td>dense_1 (Dense)</td><td>(None, 4)</td><td>516</td></tr></table>	Layer (type)	Output Shape	Param #	conv2d (Conv2D)	(None, 62, 62, 32)	896	max_pooling2d (MaxPooling2D)	(None, 31, 31, 32)	0	conv2d_1 (Conv2D)	(None, 29, 29, 32)	9248	max_pooling2d_1 (MaxPooling2D)	(None, 14, 14, 32)	0	flatten (Flatten)	(None, 6272)	0	dense (Dense)	(None, 128)	802944	dense_1 (Dense)	(None, 4)	516
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2.	Accuracy	Training Accuracy - Validation Accuracy -	<div>loss: 0.5239 - accuracy: 0.7857 - val_loss: 0.7225 - val_accuracy: 0.7576</div> <div>loss: 0.4353 - accuracy: 0.8363 - val_loss: 0.7538 - val_accuracy: 0.7323</div> <div>loss: 0.3964 - accuracy: 0.8544 - val_loss: 1.0309 - val_accuracy: 0.6364</div> <div>loss: 0.3662 - accuracy: 0.8787 - val_loss: 0.5908 - val_accuracy: 0.7273</div> <div>loss: 0.4363 - accuracy: 0.8342 - val_loss: 0.5638 - val_accuracy: 0.7475</div> <div>loss: 0.3292 - accuracy: 0.8814 - val_loss: 0.6497 - val_accuracy: 0.7577</div>																								