

Project Development Phase

Model Performance Test

Team ID	PNT2022TMID48713
Project Name	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation
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	-	<pre> In [17]: model.summary(summary of test model) Model: 'Sequential' Layer (type) Output Shape Param # ----- conv2d (Conv2D) (None, 64, 64, 32) 896 max_pooling2d (MaxPooling2D) (None, 32, 32, 32) 0 flatten (Flatten) (None, 1024) 0 dense (Dense) (None, 100) 103000 dense_1 (Dense) (None, 100) 10100 dense_2 (Dense) (None, 1) 1000 Total params: 112,996 Trainable params: 112,996 Non-trainable params: 0 </pre>
2.	Accuracy	Training Accuracy - 97.84 Validation Accuracy - 85.08	<pre> Epoch 1/10: 0.9784 (train acc) 0.8508 (val acc) Epoch 2/10: 0.9784 (train acc) 0.8508 (val acc) Epoch 3/10: 0.9784 (train acc) 0.8508 (val acc) Epoch 4/10: 0.9784 (train acc) 0.8508 (val acc) Epoch 5/10: 0.9784 (train acc) 0.8508 (val acc) Epoch 6/10: 0.9784 (train acc) 0.8508 (val acc) Epoch 7/10: 0.9784 (train acc) 0.8508 (val acc) Epoch 8/10: 0.9784 (train acc) 0.8508 (val acc) Epoch 9/10: 0.9784 (train acc) 0.8508 (val acc) Epoch 10/10: 0.9784 (train acc) 0.8508 (val acc) </pre>