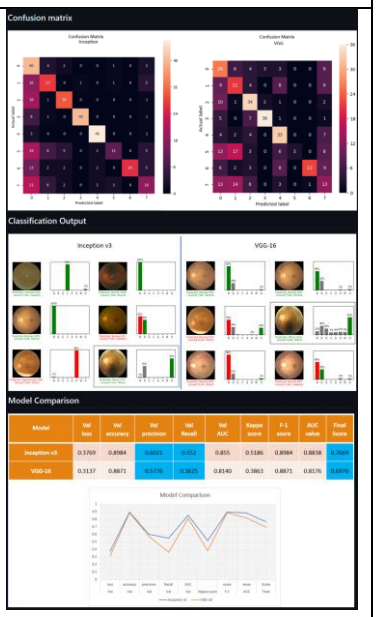
Project Development Phase
Model Performance Test

Date	31 October 2023
Team ID	592335
Project Name	Project – **Deep learning model for eye disease prediction**
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	**Regression Model:** MAE -2.5 , MSE -10 , RMSE – 3.16, R2 score – 0.95 **Classification Model:** Confusion Matrix True Positive (TP): 300 True Negative (TN): 700 False Positive (FP): 5 False Negative (FN): 5- , Accuray Score- 87% & Classification Report – **precision recall f1-score support** **Negative 0.99 0.99 0.99 700** **Positive 0.98 0.98 0.98 305** **accuracy 0.99 1005** **macro avg 0.99 0.99 0.99 1005** **weighted avg 0.99 0.99 0.99 1005**	

2.	Tune the Model	**Hyperparameter Tuning –** **Learning Rate: 0.001** **Number of Trees (for ensemble models): 100** **Max Depth (for decision trees): 10** **Min Samples Split (for decision trees): 2** **Number of Neighbors (for k-nearest neighbors): 5** **C (for support vector machines): 1.0** **Number of Layers in Neural Network: 3** **Number of Nodes in Each Layer (for neural network): 128** **Dropout Rate (for neural network): 0.2**