

Model Development Phase Template

Date	15 October 2024
Team ID	740663
Project Title	Predicting Diamond Prices With ANN Using Deep Learning
Maximum Marks	10 Marks

Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include a summary and training and validation performance metrics for multiple models, presented through respective screenshots.

Initial Model Training Code (5 marks):

```
[ ] history = model.fit(x_train, y_train, epochs=100, batch_size=32, validation_split=0.1)
```

Model Validation and Evaluation Report (5 marks):

Model	Summary	Training and Validation Performance Metrics
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Keras

model.summary()

Model: "sequential"

Layer (type)	Output Shape	Param #
dense (Dense)	(None, 128)	1,280
dense_1 (Dense)	(None, 64)	8,256
dense_2 (Dense)	(None, 1)	65

Total params: 9,601 (37.50 KB)
Trainable params: 9,601 (37.50 KB)
Non-trainable params: 0 (0.00 B)

