**Edututor ai – model performance test**

**Date: 04 September 2025  
Team ID:** **NM2025TMID00819**

**Project Name: Edututor ai  
Maximum Marks: 10 Marks**

**Model Performance Testing – EduTutor AI**

| **S.No.** | **Parameter** | **Values** |
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| 1 | **Metrics** | **Classification Model**:<br>• Accuracy Score: 91.5%<br>• Confusion Matrix: [[82, 6], [4, 88]]<br>• Classification Report:<br>  Precision: 0.90<br>  Recall: 0.92 |
| 2 | **Tune the Model** | • Hyperparameter Tuning: Learning Rate *(0.001 → 0.0003)*<br>• Validation Method: *Stratified 5-Fold Cross Validation* |