**Project Development Phase**

**Model Performance Test**

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| Date | 15 April 2025 |
| Team ID | SWTID1743610409 |
| Project Name | Project – Tune Trails |
| Maximum Marks |  |

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Model Summary | - Model Type: Hybrid (Content-Based + Collaborative Filtering)  - Input Features: User history, song embeddings, metadata  - Output: Predicted ratings (1-5 scale) + genre preferences |  |
|  | Accuracy | Training Accuracy - 92% (Classification) / R²=0.88 (Regression)  Validation Accuracy -86% (Classification) / R²=0.82 (Regression) |  |
| 3. | Fine Tunning Result( if Done) | Validation Accuracy -89% |  |