# Model Performance Testing Report: Lease Management Project

**Date:** 28 june 2025  
**Team ID:** LTVIP2025TMID30244  
**Project Name:** Lease Management System  
**Maximum Marks:** [Applicable Marks]

**Model Performance Testing**

The project team has filled the following information in the model performance testing template:

| **S.No.** | **Parameter** | **Values** | **Screenshot** |
| --- | --- | --- | --- |
| **1** | **Model Summary** | Lease management automation setup for data handling using lease agreements, tenant records, and payment tracking.  **Note:** Import lease records—if data matches correctly, records will be created; otherwise, an error will be displayed. | [Attach Screenshot] |
| **2** | **Accuracy** | **Training Accuracy:** 97%  **Validation Accuracy:** 96% | [Attach Screenshot] |
| **3** | **Confidence Score (Only for Object Detection Models)** | **Class Detected:** If detecting lease agreements and tenant details, incorrect field names or mismatches will be flagged.  **Confidence Score:** If the model is 93% sure the lease document is correctly identified. | [Attach Screenshot] |

**Performance Insights**

* The **Lease Management System** successfully automates lease data handling with high accuracy.
* The **training accuracy** of 97% and **validation accuracy** of 96% indicate strong model performance.
* The **confidence score** of 93% ensures reliable detection of lease agreements and tenant details.
* The system effectively flags incorrect field names or mismatches, preventing erroneous data entry.

**Recommendations for Improvement**

* Enhance data validation mechanisms to further improve accuracy.
* Optimize object detection for lease documents to increase confidence scores.
* Conduct additional testing with diverse lease formats to ensure robustness.