**Project Development Phase**

**Performance Test**

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| Date | 10 February 2025 |
| Team ID | LTVIP2025TMID55320 |
| Project Name | LearnHub: Your Center for Skill Enhancement |
| Maximum Marks | 2 marks |

**Model Performance Testing:**

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

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| **S.No.** | **Parameter** | **Screenshot / Values** |
|  | Data Rendered | The dataset used in the project was rendered from a CSV file containing user registrations, courses, progress tracking, and feedback. The data was imported using [Power BI / Tableau / Python (Pandas)] to visualize user engagement and course performance. |
|  | Data Preprocessing |  Null values and duplicates were removed.   Data types were formatted correctly (e.g., dates converted to datetime format).   Additional columns such as "Completion Percentage" and "Active Users" were derived using calculated fields.   In Power BI/Tableau, data was cleaned using the **Power Query Editor / Data Interpreter**. |
| 3. | Utilization of Filters | * Date filters (Month/Year) * Course-wise filter * User status (Active/Inactive) * Completion percentage slicer * Region-wise filter (if applicable)   Filters allowed dynamic interaction with visuals to analyze performance trends by time, course, and user behavior. |
| 4. | Calculation fields Used |  Completion Percentage = (Modules Completed / Total Modules) \* 100   Total Active Users = Count of users with login in last 30 days   Average Feedback Score = Sum of feedback scores / Total feedbacks   Course Progress Score = Weighted average of module completion |
| 5. | Dashboard design | The dashboard was designed using [Tool Name: Power BI / Tableau / Streamlit with Plotly/Matplotlib] with the following layout:   * Header with logo and title * Left panel with filters * Central area with main KPIs and charts * Responsive layout for mobile/desktop view   **No of Visualizations / Graphs -** 6 (Typical visuals included: Bar chart, Pie chart, Line chart, Donut chart, KPI cards, Area chart) |
| 6 | Story Design | The story explains how user engagement evolves, course completion rate trends, and effectiveness of courses based on feedback. The visual sequence guides users from a general overview to detailed insights.  **No of Visualizations / Graphs -** 3 (Used story/slide mode in Tableau or multiple dashboard pages in Power BI or tabs in Streamlit) |