

Project Development Phase
Model Performance Test

Date	26-06-2025
Team ID	LTVIP2025TMID45942
Project Name	Learn-Hub
Maximum Marks	

Model Performance Testing

S.No.	Parameter	Values
1	Data Rendered	User data, course details, enrollments, completion status, and payments fetched from MongoDB via API and imported into Power BI.
2	Data Preprocessing	- Removed duplicates and null records - Transformed timestamps to date hierarchy - Merged course and enrollment tables using courseId.
3	Utilization of Data Filters	Applied filters on: <ul style="list-style-type: none">• User Role (Student/Teacher/Admin)• Enrollment Status (Active/Completed)• Course Category• Payment Status
4	DAX Queries Used	- CourseCompletion % = $\text{DIVIDE}(\text{CompletedSections}, \text{TotalSections}) * 100$ - TotalRevenue = $\text{SUM}(\text{Payment}[\text{Amount}])$ - ActiveUsers = $\text{COUNTROWS}(\dots)$
5	Dashboard Design	No of Visualizations / Graphs – 5 <ul style="list-style-type: none">• Line Chart – Enrollments over Time• Bar Chart – Revenue per Course• Pie Chart – User Roles• Cards – Total Students, Total Courses• Progress Bars – Section Completion
6	Report Design	No of Visualizations / Graphs – 4 <ul style="list-style-type: none">• Course Performance Overview• User Engagement Summary• Teacher-wise Course Stats• Payment Breakdown by Date