



# Student Performance Warehouse Project

Unlocking insights for academic excellence.

# Our Visionary Team



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# Why a Performance Warehouse?

Traditional systems often silo student data, making it challenging to get a holistic view of performance. A Student Performance Warehouse addresses this by:

Providing **centralized data** for all academic records.

Enabling **in-depth analysis** of student trends and progress.

Supporting **proactive interventions** for struggling students.

Informing **curriculum development** and teaching strategies.

It transforms raw data into actionable insights, driving continuous improvement.





# Data Sources & Collection

## Learning Management Systems (LMS)

Grades, assignment submissions, course engagement.

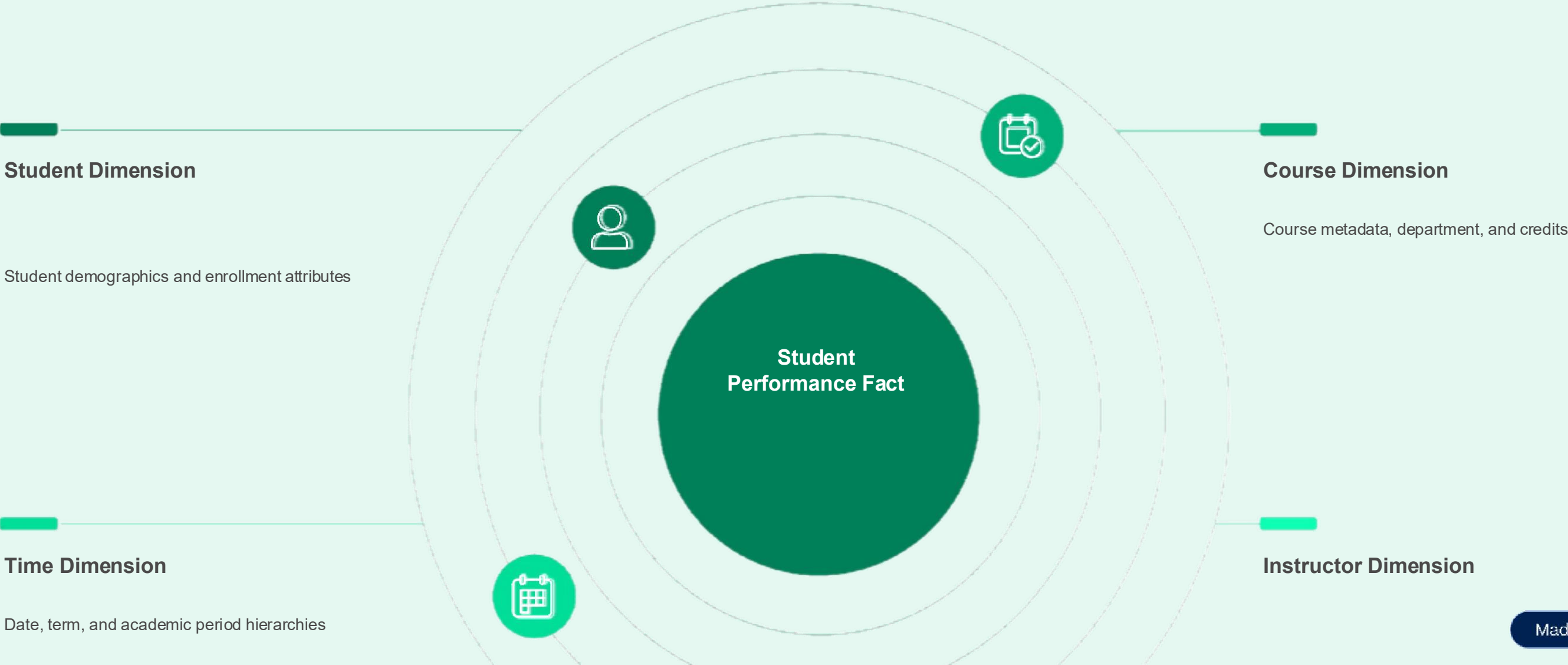
Grades, assignment submissions, course engagement.

Demographics, enrollment history, attendance records.

Standardized test scores, formative assessment results.

### Participation, achievements, leadership roles.

# Warehouse Design & Architecture



# Populating the Warehouse: Sample Student Marks Data

Here's a snapshot of the type of data we're integrating to track student performance.

Student Name	Subject	Marks	Percentage	Average	Year
Ravi Kumar	Mathematics	85	85%	80	2023
Priya Sharma	Science	92	92%	88	2023
Amit Patel	English	78	78%	75	2023
Sneha Reddy	History	65	65%	70	2023
Vikram Singh	Mathematics	70	70%	80	2023
Divya Mehta	Science	88	88%	88	2023



ACTIONABLE INSIGHTS

# Leveraging the Warehouse: Analytics & Reporting

The performance warehouse empowers educators with powerful tools.



## Performance Dashboards

Visual summaries of key metrics, instantly highlighting trends.



## Predictive Analytics

Identifying at-risk students before they fall behind.



## Custom Reports

Tailored insights for specific departments or initiatives.



# Benefits & Future Enhancements

## Current Benefits

- Improved student retention rates.
- Enhanced personalized learning paths.
- Data-driven decision-making for administration.
- More efficient resource allocation.



## Future Enhancements

- Integration with career counseling tools.
- Machine learning for adaptive learning recommendations.
- Student self-service portals for performance tracking.
- Blockchain for secure academic credential verification.





# Thank You!

We appreciate your time and attention.

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Questions & Discussion

