33% increase in the performance of a Learning Management System for a Leading Education Provider

BUSINESS REQUIREMENTS
- Test Analytically-proven assessments, multi-media remedial content and video based real-life simulations
- Cross platform support for streaming online, interactive online content and printed materials
- Test data transformation - data mismatch, miscalculation and/or loss of data
- Data Integrity validation on Data ingestion layer & Data processing layer
- Automated data validation with Zero data loss validation across different layers
- Query performance monitoring, Source - target data mapping
- 4V data validation (variety, volume, velocity and veracity)

OUR SOLUTIONS
- Cloud Services: Amazon AWS S3, Qubole
- Server Implementation: Scala/Java, Sqoop, Oozie
- Database: Hive, Oracle Data Mart
- Test Tools: Java, JDBC, MRUnit
- Data Visualization: Tableau

TOOLS / TECHNOLOGIES
- User Application events stored in Cassandra DB
- Data Archived in S3 (JSON)
- Perform Transformations
- Load DataMart for Scientists/Analysts
- Oracle Data Marts
- Reports
- Data Availability, and Data Formatting
- Check for - Data Loss, Data Integrity and Data Mapping
- Validate fallover & recoverability scenarios - Validate Workflows

BUSINESS IMPACT
- Quicker response time was achieved by fine tuning and redesigning DB query and adding nodes to cluster
- 33% increase in the performance upon partitioning and categorizing data

DATA VALIDATION WORKFLOW

About Happiest Minds Technologies:
Happiest Minds, the Mindful IT Company, applies agile methodologies to enable digital transformation for enterprises and technology providers by delivering seamless customer experience, business efficiency and actionable insights. We leverage a spectrum of disruptive technologies such as: Big Data Analytics, AI & Cognitive Computing, Internet of Things, Cloud, Security, SDN &NFV, RPA, Blockchain, etc. Positioned as “Born Digital . Born Agile”, our capabilities spans across product engineering, digital business solutions, infrastructure management and security services. We deliver these services across industry sectors such as retail, consumer packaged goods, edutech, e-commerce, banking, insurance, hi-tech, engineering R&D, manufacturing, automotive and travel/transportation/hospitality. Headquartered in Bangalore, India; Happiest Minds has operations in USA, UK, The Netherlands, Australia and Middle East.

To know more about our offerings, Please write to us at business@happiestminds.com