

ABOUT TRISPHERE



TriSphere

A Smart Integrated Education Platform

Transforming Education with AI

TriSphere is a next-generation AI-powered education ecosystem built to empower Students, Teachers, Parents, and Administrators through a single, unified digital platform.

We combine intelligent automation, real-time insights, and personalized learning to create a future-ready educational experience.



OUR VISION

To make education personalized, engaging, and accessible for everyone through the power of Artificial Intelligence.



OUR MISSION

To build a smart, secure, and scalable platform that connects the entire education community and drives excellence through innovation.

WHY TRISPHERE?



ALL-IN-ONE PLATFORM

A unified solution for students, teachers, parents, and admins.



AI-POWERED LEARNING

Smart tools and AI tutors that personalize learning for every student.



SECURE & RELIABLE

Enterprise-grade security to protect data and ensure trust.



DATA-DRIVEN INSIGHTS

Real-time analytics to track performance, progress, and engagement.



CONNECTED COMMUNITY

Bringing students, teachers, parents, and schools closer than ever.



FUTURE READY

Built with modern technology to prepare for tomorrow's challenges today.

“ Education is not preparation for life; education is life itself. TriSphere is here to make that life better. ”

STUDENT DASHBOARD

Everything a Student Needs to Succeed

TriSphere provides students with AI-powered tools, smart resources, and engaging features to learn, practice, and excel every day.

FEATURES

- Lernix AI Tutor**
Get instant answers, explanations and doubt clarification.
- Daily Planner & Timetable**
Organize your schedule and never miss a class.
- Study Streaks & XP Rewards**
Build consistency and earn exciting rewards.
- AI-Generated Notes**
Smart notes generated from topics, PDFs or lectures.
- OCR Textbook Scanner**
Scan textbook pages and convert them into digital notes.
- Flashcards & Quizzes**
Practice smart with AI-generated quizzes and flashcards.
- Simulation Lab**
Explore interactive simulations for better understanding.
- EduTube Videos**
Curated educational videos to boost your learning.



“Your AI companion, your study partner, your success journey.”



TriSphere Hello, Karan! 🌟
Ready to learn something amazing today?

🔥 12 Day Streak 🏆 1250 XP Points

Today's Overview

- 3 Classes Today
- 2 Quizzes Pending
- 85% Overall Progress
- 12 Badges Earned

Today's Timetable [View All](#)

08:00 AM	Physics	Mechanics
09:30 AM	Chemistry	Chemical Bonding
11:00 AM	Mathematics	Quadratic Equations
01:30 PM	Biology	Cell Structure

Recent Activity [View All](#)

- Completed Quiz: Force & Motion +50 XP (2h ago)
- Scanned: Chemical Equations.jpg +10 XP (2h ago)
- AI Notes Generated +20 XP (5h ago)
- Watched: Photosynthesis (EduTube) +10 XP (1h ago)

Karan Singh
Class 10 - Science
Level 12
1250 / 2000 XP

Keep it up! You are on a 12 day streak! 🌟

Mon Tue Wed Thu Fri Sat Sun

Quote of the Day
“The beautiful thing about learning is that no one can take it away from you.”
- B.B. King

LERNIX AI TUTOR
Your personal AI study companion

Lernix AI

Explain Newton's Third Law with an example.

Newton's Third Law states that for every action, there is an equal and opposite reaction.
Example: When you push a wall, the wall pushes you back with the same force.

Ask anything...

REWARD STORE
Learn more, earn more, unlock more

Your Balance: **1250 XP**

Popular Items [View All](#)

- Premium Theme ★500 XP
- Mystery Box ★700 XP
- Badge Booster ★300 XP
- Avatar Frame ★400 XP

OCR SCANNER
Scan any textbook and get notes

Scanned Page

Extracted Notes

Photosynthesis

- Process used by green plants to make food.
- Occurs in chloroplasts.
- Requires sunlight, water and carbon dioxide.
- Produces glucose and oxygen.

Scan Another Page

AI-Powered Learning
Smarter. Faster. Better.

Personalized for You
Adaptive. Intelligent. Effective.

Track Your Progress
Analyze. Improve. Achieve.

Learn Anytime, Anywhere
Web, Tablet & Mobile Friendly.

Learn Today.
Lead Tomorrow.

TEACHER DASHBOARD

Empowering Teachers to Inspire Excellence

TriSphere provides teachers with intelligent tools to create, manage, and evaluate learning experiences effortlessly.



“Great teachers don't just teach, they create a lasting impact.”



KEY FEATURES

- AI Quiz Generator**
Generate quizzes instantly with AI based on any topic or document.
- Assignment Creation**
Create assignments, set deadlines, and share resources with ease.
- Auto Grading**
Save time with AI-powered auto grading and constructive feedback.
- Lesson Planning**
Plan lessons, add curriculum standards and track progress.
- Performance Analytics**
Get real-time insights into student performance and class progress.
- PDF & Note Generation**
Upload PDFs and generate smart notes & study material instantly.

The dashboard shows a welcome message for Mr. Arjun, a navigation sidebar, and several data cards. The Overview section includes: Assignments (18 Total, 6 Pending Review), Quizzes (12 Total, 4 Active), Students Performance (78% Class Average, up 8% this week), and Attendance (92% Average, up 5% this week). Recent Assignments include Newton's Laws, Chemical Reactions, Math Problem Set, and Biology Cell Structure. A Class Performance line graph shows a 78% average score over a period of 13 days. Quick actions include Create Assignment, Upload Material, Take Attendance, Generate Report, and Send Message.

WHY TEACHERS LOVE TRISPHERE

- Save Time**
Automate repetitive tasks and focus on what matters most.
- AI-Powered Tools**
Smart suggestions and content generation at your fingertips.
- Better Engagement**
Create interactive lessons and keep students motivated.
- Real-Time Insights**
Track progress and identify learning gaps instantly.
- Seamless Communication**
Stay connected with students, parents and administrators.



You Teach.
We Empower.

Smart Tools for Modern Teachers

Intelligent Automation for Better Results

Data-Driven Decisions for Every Student

Secure & Reliable Platform

Accessible Anytime, Anywhere

Empowered Teachers. Engaged Students. Exceptional Education.

PARENT DASHBOARD

Stay Connected to Your Child's Learning

TriSphere brings parents closer to their child's education with real-time updates, insights, and seamless communication.

“ When parents and schools work together, children achieve more. ”

KEY FEATURES

- Attendance Tracking**
Track daily attendance and view detailed history.
- Performance Reports**
Get detailed reports and analyze your child's progress.
- Progress Monitoring**
Monitor grades, class performance and subject-wise analysis.
- Communication**
Connect with teachers and school admins anytime.
- Daily Activity Updates**
Stay informed about assignments, announcements and activities.

Together for a Better Tomorrow
Your involvement today shapes their success tomorrow.



TriSphere
Learn. Engage. Achieve.



“ Involved Parents.
Successful Students.
Stronger Communities. ”

TriSphere

Welcome, Neha Sharma! 🙌
Here's an overview of your child's progress.

My Child: Aarav Sharma

- Dashboard
- My Children
- Attendance
- Performance
- Assignments
- Timetable
- Communication
- School Updates
- Events
- Settings

Attendance
92% This Month
↑ 5% vs Last Month

Overall Grade
A-
Good
↑ Improving

Assignments
8 Completed
2 Pending

Class Rank
5 / 32
Top 16%
↑ 3 Positions

Attendance Overview [View All](#)

Date	Present	Absent
13 Jun	80%	20%
14 Jun	85%	15%
15 Jun	90%	10%
16 Jun	75%	25%
17 Jun	60%	40%
18 Jun	70%	30%
19 Jun	95%	5%

Performance Summary [View Report](#)

Subject	Grade	Percentage
Mathematics	A	85%
Science	A-	82%
English	B+	78%
Social Studies	A	88%
Computer Science	A+	92%

Recent Assignments [View All](#)

- Science Worksheet - Chapter 5
Due: 21 Jun, 2025 Submitted
- Math Problem Set - Algebra
Due: 22 Jun, 2025 Pending
- English Essay - My School
Due: 23 Jun, 2025 Pending

Upcoming Events [View All](#)

- Parent-Teacher Meeting
24 Jun, 2025 • 10:00 AM
- Annual Sports Day
28 Jun, 2025 • 09:00 AM
- Science Exhibition
02 Jul, 2025 • 11:00 AM

Teacher Messages [View All](#)

Mr. Arjun Sharma
Physics Teacher
2h ago

Aarav is showing great improvement in concept understanding. Keep encouraging him to participate in class discussions.

[Reply](#)

Neha Sharma
Parent
neha.sharma@email.com



Be Involved. Be Informed. Be Their Support System.
TriSphere keeps you connected to every step of your child's learning journey.



Secure & Private
Your data is safe with us.



Real-Time Updates
Instant notifications and alerts.



Access Anywhere
Web, tablet or mobile.



Stronger Together
Building a better future together.

- Dashboard
- MANAGEMENT
 - User Management
 - Student Records
 - Teacher Records
 - Classes & Sections
 - Subjects
 - Attendance
 - Examinations
 - Assignments
 - Fees Management
 - Announcements
- ANALYTICS
 - School Analytics
 - Performance Reports
 - Activity Logs
- SYSTEM
 - Security Controls
 - Account Management
 - System Settings
 - Backup & Restore

Total Students
1,248
↑ 0.5% this month

Total Teachers
96
↑ 5.3% this month

Total Classes
56
↑ 3 new this month

Total Parents
1,102
↑ 7.2% this month

Total Users
152
Active accounts

19 June 2025



System Overview

Total Schools	3
Total Departments	12
Total Classrooms	78
Active Users	152
System Uptime	99.9%

Recent Notifications

[View All](#)

New teacher registration Mrs. Neha Verma	10m ago
Fee collection completed Class 10 - May 2025	25m ago
New student admission Aarav Sharma - Grade 6	1h ago
System backup completed June 18, 2025 11:45 PM	2h ago
Exam results published Term 1 - Grade 10	3h ago

School Analytics

Attendance Rate
92.6%
↑ 4.2%

Teacher Performance
89.3%
↑ 3.8%

Student Satisfaction
94.1%
↑ 5.6%

Parent Satisfaction
91.7%
↑ 3.9%



Recent Activity Logs

[View All](#)

Admin User Logged in	Today, 06:45 AM
Amit Kumar Added new teacher	Today, 06:20 AM
Priya Sharma Updated student record	Today, 07:50 AM
System Backup completed	Today, 01:15 AM
Neha Verma Uploaded assignment	Yesterday, 10:30 PM

Role-Based Access

Assign specific roles and permissions to ensure data security and workflow management.

User Management

Add, update, and manage users including admin, teachers, staff and parent accounts.

Student & Teacher Records

Maintain comprehensive records with academic, personal and contact information.

School Analytics

Get real-time insights and detailed reports to make informed decisions.

Security Controls

Advanced security measures to protect sensitive data and ensure system integrity.

Account Management

Manage account settings, password policies and system configurations efficiently.

AI Features

Smart tools to enhance learning and ensure student success.

- Dashboard
- My Classes
- Students
- Assignments
- Quizzes
- Reports
- AI FEATURES
- Lernix AI**
- ASTRA Companion
- OCR Scanner
- Anti-Cheat System
- TOOLS
- Study Planner
- Resources
- Flashcards
- AI Analytics New
- SETTINGS
- Profile
- Preferences
- Help & Support



Lernix AI

Your personal AI Tutor that explains concepts, solves doubts, and guides students.

- Explain Concepts
- Solve Doubts
- Generate Examples
- Practice Questions

Hi! I'm Lernix AI 🤖
How can I help you today?

Can you explain photosynthesis in simple terms?

Sure! 🌿 Photosynthesis is the process by which green plants make their own food using sunlight, water, and carbon dioxide. They use sunlight as energy to turn water and CO₂ into glucose (food) and oxygen.

Ask anything...



ASTRA Companion

Your AI companion for mental well-being and motivation.



“You are doing great!
Keep learning, keep growing.”



Daily Emotional Check-ins
Track your mood and feelings every day.



Student Wellness Tracking
Monitor stress, happiness, and well-being over time.



Motivational Support
Get personalized quotes and encouragement.

Start Check-in



OCR Scanner

Convert textbook images into notes instantly.



Scan Another Image

Extracted Notes

The Cell
The cell is the basic unit of life. It is the structural and functional unit of all living organisms.

Key Parts of a Cell:

- Cell Membrane – Protects the cell
- Cytoplasm – Jelly-like substance
- Nucleus – Controls cell activities
- Mitochondria – Produces energy

Copy Notes



Anti-Cheat System

Ensures academic integrity during online assessments.

Detects:

- Tab Switching** - Detected
Detects if you switch tabs during the exam.
- Copy / Paste** - Detected
Detects copy or paste activities.
- Unauthorized Activities** - Detected
Detects other suspicious activities.



Exam is Secure

No suspicious activity detected right now.

All Clear

AI Usage Overview

This Week



Quick Actions

- Ask Lernix AI - Get instant help >
- Talk to ASTRA - Start your check-in >
- Scan Notes - Upload and extract >
- View Reports - AI insights & analytics >

AI Impact at a Glance



“AI is not here to replace teachers, but to empower every learner.”



Gamification Learning Made Fun

Stay motivated, achieve goals, and unlock rewards while learning.

“The more you learn,
the more you earn,
the more you grow!”
Learn. Earn. Grow.



- Dashboard
- My Classes
- Assignments
- Quizzes
- Reports
- AI FEATURES
- Lernix AI
- ASTRA Companion
- OCR Scanner
- Anti-Cheat System
- LEARNING TOOLS
- Study Planner
- Flashcards
- AI Analytics New
- GAMIFICATION
- Overview
- XP & Levels
- Badges
- Leaderboards
- Reward Store
- Avatars

XP Points

4,250

Total XP Earned
↑ 850 this week

Current Level

12

Super Learner
↑ 2 levels to next

Badges Earned

18

Badges Unlocked
↑ 3 new badges

Rank

#24

Top 5% of learners
↑ 15 spots up

Streak

23

Days in a Row
🔥 Keep it up!

XP Progress

Level

12

Super Learner
★★★

4,250 / 6,000 XP

75%

Next Reward

Level 13
Knowledge Master

Keep learning to reach the next level!

Recent Badges

Quiz Master
Score 100 on 10 quizzes

Top Performer
Score in top 10 in class

Consistent
Study for 7 days in a row

Assignment Ace
Complete 20 assignments

18 Badges Earned

Next Badge in 2

Leaderboard

This Week

Rank	School	Class	Friends	XP
1	Rohan Mehta			6,850 XP
2	Ananya Singh			6,250 XP
3	Vihaan Kapoor			5,980 XP
24	Priya Sharma (You)			4,250 XP
5	Sara Khan			4,100 XP

👉 Climb the leaderboard and earn exclusive rewards!

Daily Missions

Resets in 10h 24m 35s

Complete 3 Quizzes	3/3	+150 XP	✓
Study for 60 Minutes	45/60	+100 XP	🔄 In Progress
Complete an Assignment	1/1	+120 XP	✓
Scan 2 Pages with OCR	0/2	+80 XP	🚦 Start

[View All Missions](#)

Reward Store

Your Coins: 🪙

Headphones
High Quality
🪙 500

Smart Watch
Fitness Tracker
🪙 800

Gift Card
₹500 voucher
🪙 600

Backpack
Urban Style
🪙 700

[Visit Reward Store](#)

Unlockable Avatars

View All

Neon Voyager
Legendary
✓ Unlocked

Cyber Scholar
Epic
🪙 500

Galactic Explorer
Epic
🪙 500

Star Guardian
Legendary
🪙 800

Learn Actively
Engage with lessons and earn XP.

Achieve Goals
Complete missions and level up.

Earn Rewards
Collect badges and unlock amazing prizes.

Compete & Grow
Climb leaderboards and challenge friends.

Express Yourself
Unlock avatars and show your style.

Learn. Earn. Grow.
Your journey. Your rewards. Your success.

Technology & Security

Built with Modern Technology

TriSphere is crafted using powerful, modern, and scalable technologies to ensure performance, reliability, and security.

“ We prioritize security and performance to protect your data and empower seamless learning.
Secure. Scalable. Reliable. ”



Frontend

Built with modern, responsive and interactive technologies.



-  **React**
A JavaScript library for building user interfaces.
-  **HTML**
The standard markup language for creating web pages.
-  **CSS**
Stylesheet language used for designing beautiful layouts.
-  **JavaScript**
Dynamic programming language that powers interactions.
-  **Three.js**
3D library for creating interactive 3D experiences on the web.

Backend

Powered by Firebase for a scalable and reliable backend.



-  **Firebase Authentication**
Secure user sign-in and sign-up with multiple providers.
-  **Firestore Database**
NoSQL cloud database for storing and syncing data in real-time.
-  **Cloud Functions**
Serverless functions that run backend logic in response to events.

Scalable • Real-time • Reliable
Built for performance and growth.



Security

Advanced security measures to keep data safe and secure.



-  **Role-based Authentication**
Different access levels for students, teachers, and admins.
-  **Session Management**
Secure session handling with automatic expiration.
-  **Protected Routes**
Route protection to prevent unauthorized access.
-  **Secure Data Storage**
All data is encrypted and stored securely in the cloud.

Our Technology Advantage

-  **Modern Stack**
Built with the latest technologies for the best performance.
-  **Scalable Architecture**
Designed to grow seamlessly with your needs.
-  **High Performance**
Optimized for speed, reliability and efficiency.
-  **24/7 Availability**
Always online, always accessible anytime, anywhere.
-  **Data Protection**
Enterprise-grade security to protect every data.
-  **Regular Updates**
Continuous updates and improvements for a better experience.

 Secure by Design. Built for the Future.

TriSphere – Empowering Education with **Technology & Trust.**

Contact Us


We'd love to hear from you.
Reach out to us for inquiries, support,
or collaboration opportunities.



TriSphere

Learn. Engage. Achieve.



 **Email**
contact@yugnext-ai.com


 **Website**
www.yugnext-ai.com

 **We're here to help you!**
Monday – Friday
9:00 AM – 6:00 PM (IST)

“ Empowering the Future of Education with AI. ”

 **Trusted**
Your trust is our priority.

 **Secure**
End-to-end security for your data.

 **Responsive**
Quick responses and reliable support.

 **Collaborate**
Let's build the future of education together.