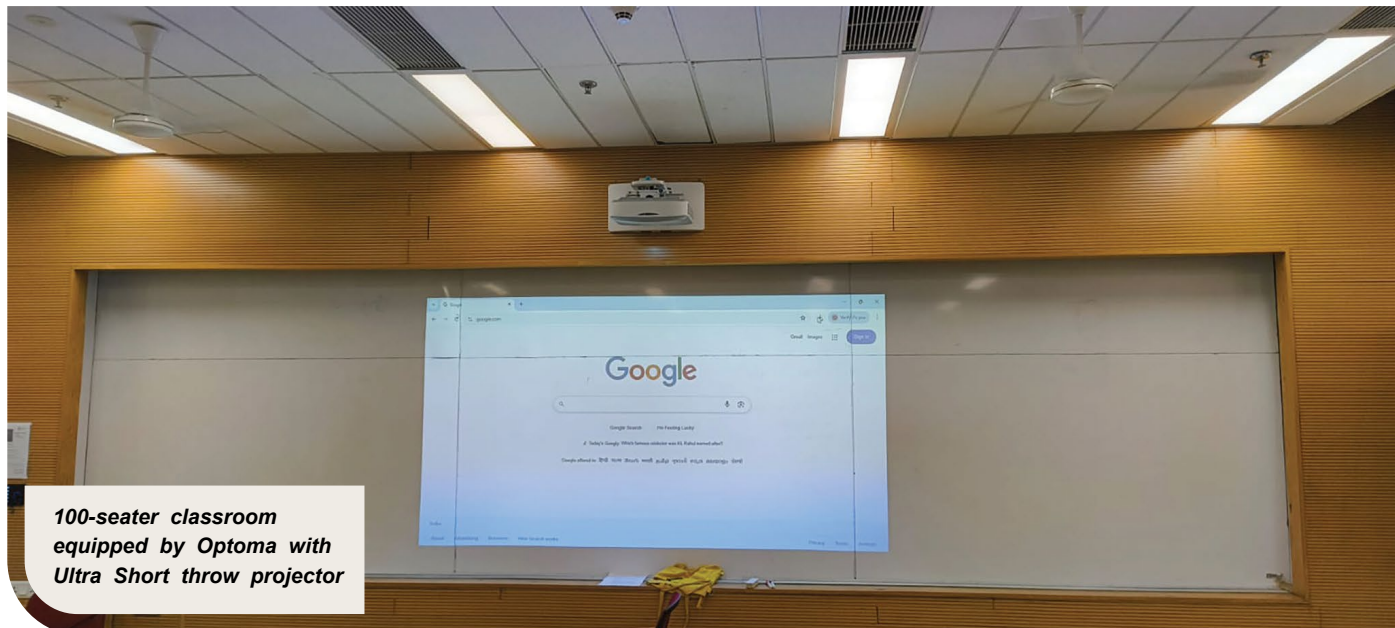




OPTOMA UPGRADES CLASSROOM PROJECTION SYSTEMS AT ASHOKA UNIVERSITY

PROBLEM STATEMENT

Ashoka University, a premier academic institution, faced an operational challenge with its aging projection infrastructure across classrooms and laboratories. The existing setup, primarily based on older LCD and lamp-based projectors, was struggling to meet the evolving pedagogical needs of the university. Key issues included insufficient brightness in well-lit rooms, frequent maintenance due to lamp failures, and inconsistent image quality that hindered effective teaching, presentations, and remote guest lectures.

Additionally, the university's move towards smart classrooms – which demanded robust AV solutions for an immersive learning environment – called for a technologically advanced, reliable, and scalable projection system. With varying room sizes ranging from 60 to 100 seating capacities and the need for interactive, high-definition visual content delivery, a flexible yet powerful solution was required.

SOLUTION IMPLEMENTATION

After evaluating multiple technolo-

*Delivering groundbreaking visual solutions that transform spaces, **Optoma**, one of the leading global providers of display and projection technology, recently upgraded classroom projection systems at **Ashoka University**, combining cutting-edge performance with intuitive design. This article shares the installation in brief, sneaking a peek on how the university transformed its infrastructure with effortless integration of Optoma products and solutions.*

gies, Ashoka University selected Optoma DLP Laser projectors as the preferred solution due to their:

Superior Brightness and Clarity:

Laser projection delivers consistent high brightness over time, especially crucial in ambient-lit classrooms.

Longer Lifespan and Minimal Maintenance: DLP laser projectors significantly reduce the need for regular upkeep, minimising downtime and operational cost.

Wide Range of Models and Resolutions: Optoma's global product line offered diverse projector models suitable for different classroom dimensions and applica-

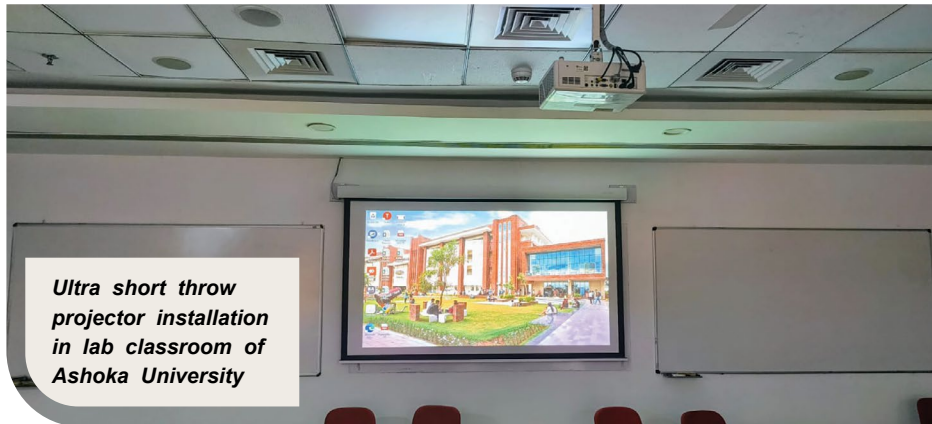
tions, all supporting full HD or WUXGA resolution.

TECHNICAL DEPLOYMENT

The university implemented a combination of long throw and ultra-short throw projectors to address the spatial diversity across classrooms and labs. High-end video signal distribution systems and professional-grade audio setups were integrated to enhance the audiovisual experience.

MODEL-SPECIFIC DEPLOYMENT

ZH507 (15 Units): Installed in large classrooms with a dual-projector setup. This



**Ultra short throw
projector installation
in lab classroom of
Ashoka University**

full HD DLP laser projector delivers 5,500 lumens brightness, ideal for large spaces requiring wide coverage and sharp image quality.

ZU500USTe (15 Units): Deployed in 100-seater classrooms and laboratories, this ultra short throw WUXGA resolution projector (5,000 lumens) allows placement just inches from the projection surface, eliminating shadows and glare—crucial for interactive learning.

AZH430UST (8 Units): Chosen for medium-sized classrooms, the AZH430UST

is a compact, laser-powered ultra-short-throw projector with high contrast and vivid colour performance, suitable for tight teaching spaces.

ZU1100 (1 Unit): A premium installation-class projector offering up to 10,000 lumens brightness and interchangeable lens options. This unit was installed in a flagship lecture hall or auditorium, where large-scale projection and versatility were paramount.

Functional use-cases enabled: For interactive lessons and video conferencing,

the low latency and high image fidelity enabled seamless virtual guest lectures and real-time content sharing.

High-impact presentations: The DLP laser engine provided crystal-clear graphics, benefiting faculty presentations and student discussions.

Smart classrooms: Integration with touch-enabled boards and AV control systems turned traditional spaces into technology-enhanced learning environments.

OUTCOME

Ashoka University successfully transformed its teaching spaces into smart classrooms with an engaging and immersive learning environment powered by Optoma projectors. The deployment enhanced the quality of content delivery, increased system reliability, and lowered maintenance efforts significantly. Optoma's scalable and high-performance projection solutions not only addressed the immediate challenges but also future-proofed the university's classroom infrastructure.