



Pratyam[®]

CASE STUDY

PREPARED FOR :

ZAPURZA PN GADGIL



ENRICHING THE ARTISTIC EXPERIENCE WITH Q-SYS AT ZAPURZA MUSEUM

Bringing Art and Culture to Life in Pune's Premier Museum Auditorium

Project Overview

Client: Zapurza Museum of Art & Culture

Project Period: April 2024

Location: Pune, Maharashtra, India

Mission: Conserve and promote Indian art, support local artists

The Zapurza Museum of Art & Culture was founded to preserve and promote the rich artistic heritage of Maharashtra. To bring its 200-seat auditorium to life, the museum sought a unified audio solution that combined a distributed speaker system, DSP, and mixer without compromising sound quality.

The Challenge

The museum required a comprehensive audio solution that could:

- Integrate a distributed speaker system, DSP, and mixer into one cohesive system
- Deliver natural, high-fidelity audio across the entire auditorium
- Eliminate complications caused by third-party mixers
- Provide simple operation for non-technical staff
- Maintain long-term performance reliability

THE SOLUTION: INTEGRATED AV ECOSYSTEM

Pratyam Technologies selected the Q-SYS Ecosystem, a software-centric audio, video, and control platform powered by Q-SYS OS.

Implemented Components:

- **Q-SYS Core Processor** – Centralized DSP and system management
- **KLA12 Powered Line Array Speakers** – High-output speakers with onboard DSP
- **Q-SYS OS** – Unified control and seamless integration platform

Why Q-SYS?

- Superior sound quality
- Advanced programming and routing capabilities
- Effective feedback suppression
- Open architecture for third-party integration
- Plug-and-play simplicity

The system was carefully aligned with the auditorium's acoustic design, developed by consultant Vijay Purandare, ensuring optimal sound absorption and reflection balance.

Implementation Approach

- Designed a distributed speaker layout for even sound coverage
- Configured DSP routing and mixing within Q-SYS Core
- Integrated microphones and performance equipment
- Conducted acoustic tuning and performance testing
- Provided programming support and user guidance

The unified architecture eliminated compatibility issues and streamlined operations.

Results & Impact

Exceptional Audio Fidelity

- Artists consistently praise the clarity and natural reproduction of sound.
- Feedback suppression eliminates unwanted noise, even with multiple open microphones.

Simplified User Experience

- Staff can connect handheld, dynamic, or drum microphones instantly – no complex configuration required.
- "Walk the microphone to any Q-SYS speaker and receive zero issues." – Pankaj Patil

Proven Reliability

- System has been in continuous service for over a year with zero performance degradation.
- Q-SYS support team provided responsive, effective assistance throughout programming and deployment.

Elevated Visitor Experience

- Visitors are immersed in high-quality audio that enhances every performance and presentation.
- The museum now serves as a vibrant cultural hub, attracting audiences from across the region.

Key Outcomes

- Unified AV ecosystem replacing fragmented equipment
- Long-term system reliability
- Improved performer satisfaction
- Enhanced visitor engagement
- Strong technical support from Q-SYS team

Conclusion

The Zapurza Museum project demonstrates how a unified, software-driven AV platform can transform a cultural venue. By implementing Q-SYS, the museum achieved high-fidelity sound, operational simplicity, and dependable long-term performance.

Today, the Zapurza auditorium stands as a benchmark for integrated audio solutions in cultural institutions — delivering immersive experiences that support and celebrate Indian art.





GET IN TOUCH

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