



**UTTARAKHAND LEGISLATIVE ASSEMBLY USES STAPES
CONFERENCE SYSTEM MICROPHONES, INTEGRATED
WITH CAMERA CONTROL, SIGNIFICANTLY ENHANCED
BOTH THE AUDIOVISUAL EXPERIENCE AND
OPERATIONAL EFFICIENCY**



**CASE
STUDY**



Introduction

The Uttarakhand Legislative Assembly, also referred to as the Uttarakhand Vidhan Sabha, serves as the sole legislative and law-making body for the state of Uttarakhand, one of the 28 states in India. It operates from Dehradun, the state's winter capital, and Gairsain, the summer capital. The assembly consists of a total of 70 elected Members of the Legislative Assembly (MLAs).

Project Overview

In order to upgrade communication systems within its historic building, the Assembly implemented an advanced Digital Conference System. This system includes 22 microphones, each equipped with camera focus and control functionality, comprising 21 delegate units and 1 chairman unit. The solution enables smooth, efficient communication during meetings, conferences, and training sessions.

Objectives

- **Enhanced Communication for Video Conferencing (VC):** Improve the quality and effectiveness of communication during meetings and training sessions, particularly for video conferencing purposes.
- **Camera Control:** Automatically direct the camera to focus on the active speaker, ensuring a more engaging and dynamic video conferencing experience.



Challenges faced in the project:

The installation of STAPES Delegate and Chairman Microphones overcame a range of challenges to transform a standard meeting room into a fully functional video conferencing space. The room's limited area for camera movement and the need for real-time focus on specific speakers presented significant obstacles. However, the advanced STAPES system, with its face-focus and "look at me" technology, effectively addressed these issues, delivering exceptional picture clarity.

Designed with hot-swap capability and ease of use in mind, the modern, sleek microphones not only enhanced the room's aesthetic appeal but also effortlessly accommodated the Chairman's frequent seat changes. This flexibility played a critical role in enabling productive and dynamic meetings despite the challenging environment.

This installation showcases the importance of customized AV solutions in overcoming technical and spatial challenges, ultimately improving operational efficiency in educational and governmental settings.



Technical Implementation:

- **Model:** STAPES Digital Gooseneck Conference System with Camera Control
- **DSP:** STAPES 4X4 Dante Digital Signal Processor for VC and local conference
- **Digital Chairman/ Delegate Microphone Units:** 21 delegate units and 1 chairman unit
- **Video Tracking:** Automatic camera tracking feature integrated
- **Sync with Video Conferencing:** Compatible with TEAMS, Zoom calls

Integrator's Experience:

Sameer Malhotra, Managing Director of Audio Systems, Dehradun, shared his experience:

"The assembly leaders opted to create a video conferencing room for local meetings and communications with other party offices. All STAPES delegate and chairman microphones are synchronized with the camera, which automatically focuses on the active speaker and broadcasts through platforms like Teams or Zoom. The main challenge was ensuring accurate "look at me" functionality for each microphone, which was resolved by using the STAPES Digital Conference System. This system efficiently captures audio from multiple delegates, delivering excellent sound and video quality with seamless camera movement. The STAPES team completed the installation, including camera control setup, in just half a day. Their professionalism and expertise, along with the high-quality microphones designed in Luxembourg and assembled in India, have earned our full confidence. We have successfully implemented seven additional projects across Uttarakhand using STAPES products, all of which continue to perform exceptionally well in terms of support, delivery, installation, and training. Kudos to the STAPES team for their outstanding service!"



About Manufacturer: Stapes & Bauble Private Limited

Founded by **Anshuman Dubey, Stapes & Bauble Private Limited**, an ISO 9001: 2015 certified company, is committed to excellence, delivering unmatched audio solutions and service nationwide. Specializing in manufacturing Audio Conference Systems, Ceiling, Boundary, Gooseneck, and Wireless Microphones, Digital Signal Processors, PTZ VC cameras, and Speakerphones, they ensure efficient distribution through their assembly unit located in the National Capital Region, via NH 48. With fully equipped Service Centers in Gurgaon, Dehradun, Pune, Bhopal and Ahmedabad, they provide timely support and maintenance through distributors across the country.

Anshuman Dubey, expressing gratitude, stated:

"We are deeply grateful for the outstanding work and dedication shown by Sameer Malhotra from Audio Systems, Dehradun in the successful installation of our new conference system. Your team's professionalism, expertise, and commitment to excellence have transformed our communication capabilities and exceeded our expectations. Thank you for delivering a solution that enhances our collaboration and productivity. We look forward to continuing our partnership and achieving more milestones together."

This collaboration highlights the importance of reliable partnerships and high-quality products in transforming communication infrastructure in healthcare settings.