

A photograph of several surgeons in an operating room, wearing blue scrubs, masks, and hairnets, looking down at a patient. The scene is illuminated by bright surgical lights.

PSG story: Classrooms from the OR

by Dipti Kerkar

PSG Hospital & Medical College in Coimbatore had a simple problem. Their 21 operating rooms utilized different devices to record surgeries, resulting in videos scattered across various storage systems, and there was no easy way to stream live cases to classrooms or archive them properly for future teaching.

Faculty wanted to use surgical footage for educational purposes, but the technical setup made it more complicated than necessary. Videos lived on different devices, file formats didn't always play nice together, and sharing content for medical education took too much manual work.

Esbee Dynamed connected all 21 ORs through a single AV-over-IP system and added the **Unified Communications Platform** to handle capture, streaming, and archiving. The major operating rooms got 4K capabilities with multi-channel recording, while smaller rooms use shared mobile carts for streaming and recording.

Now, when surgeons want to stream a live case to students, they can. When faculty need yesterday's procedure for a class discussion, they can find it quickly in the organized archive. The system tags videos, links them to the learning management system, and handles the technical details so doctors can focus on teaching.

The practical benefits showed up fast. Setup time dropped because rooms stay connected and ready. Cable clutter disappeared. The system runs reliably without constant adjustments. Faculty report that conducting live teaching sessions and building their video libraries for student review has become straightforward rather than a technical challenge.

As one senior surgeon put it: *"Our operating rooms now do more than deliver care — they teach, they document, they connect. Every procedure becomes a learning opportunity."*

The system works with existing equipment, meets compliance requirements, and can be deployed on-premise or in the cloud, depending on what works for the institution. For medical colleges considering similar upgrades, PSG's approach shows you can start with core teaching rooms and expand from there.

It's not revolutionary technology. It's practical technology that removes friction from surgical education. Sometimes the best solutions are the ones that just work quietly in the background, letting educators focus on what they do best.

Esbee Dynamed specialises in OR integration and connected surgical instrument tracking solutions. To learn how we can support your operating theatre, contact our team.

Write to us at info@esbeedynamed.com for more info.