

## Sparsh Hospitals launches India's first advanced on-site 3D printing lab

17 October 2024 | News

### Pioneering new technologies in orthopaedics and personalised healthcare



Following the adoption of the most advanced robotics systems, Sparsh Hospitals, a trailblazer in healthcare innovation, has moved a step ahead with the launch of India's first advanced on-site 3D Printing Lab at its Infantry Road facility, Bengaluru.

The lab introduces cutting-edge 3D printing technology that will revolutionise orthopaedic and personalised medical care by offering comprehensive solutions under one roof from scanning to the creation of final customised models.

Opening the Lab, Dr Sharan Shivaraj Patil, Chairman and Chief Orthopedic Surgeon, Sparsh Hospitals, said, "Tech-enabled 3D printing lab will be a game-changer for personalised patient care in India. It will allow us to design custom-made prosthetics, implants, and deliver surgical models that precisely match each patient's unique anatomy. With the adoption of both 3D printing and robotic technologies, we will be setting new standards for surgical precision and patient outcomes."

The lab will dramatically improve surgical precision, reduce recovery times, and minimise long-term healthcare costs. The facility's new 3D printing lab integrates advanced technologies such as custom prosthetics designing and streamlining processes to make healthcare more efficient and affordable for patients. The lab is designed to significantly reduce costs and time for both patients and medical professionals by offering all services, from scanning to post-processing, under one roof.

Going forward, the 3D printing lab at Sparsh Hospitals is not limited to current technologies but is actively exploring future innovations such as the creation of artificial organs, expanding its role in medical research and bioengineering. These advancements will not only transform the way surgeries are performed but will also contribute to future breakthroughs in personalised medical treatments.