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Shalby Multi-Specialty Hospitals performs world's first fully autonomous robotic joint replacement surgery

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Highlighting Shalby's role in pioneering next-generation medical care



The Arthroplasty Team at Shalby Multi-Specialty Hospitals has achieved a historic medical milestone by successfully performing surgery using the world's first fully autonomous robotic system for joint replacement.

This revolutionary robotic technology, featuring the world's only saw-based robotic arm with 7-axis movement, is designed to dramatically improve surgical accuracy, bone-cut precision, and enable minimally invasive procedures, resulting in faster recovery and improved patient outcomes.

In a major global collaboration, the team of eminent surgeons from the United States, including the CEO of the company (Monogram Technologies) that developed this robotic system, specially flew in to perform this first-ever surgery using the technology. Their presence highlights the global significance of this achievement and Shalby's role in pioneering next-generation medical care.

'We are proud to be part of a pivotal moment in medical innovation. The reason our hospital was selected for this global clinical trial is the high surgical volume we manage and the need for precision in the Indian healthcare landscape. This new-generation robotic system offers unmatched accuracy, enhanced bone-cutting precision, and supports minimally invasive techniques. It's a leap forward in joint replacement surgery, providing better outcomes, quicker recovery, and greater consistency. With over 20% of our surgeries already performed robotically, we believe this technology will shape the future of surgery in India.'— Dr Vikram Shah, CMD, Shalby Hospitals