

Media Coverage

Smarter, faster swims

Researchers from SMU and SUTD developed a system integrating drone technology and AI to help coaches optimise swimmers' training. The project began in 2024, initiated by SMU Professor of Computer Science Rajesh Krishna Balan and Associate Professor of Strategy & Entrepreneurship (Education) and President of Singapore Aquatics Kenneth Goh. Assoc Prof Goh stressed the need for collaboration with regulators to integrate digital solutions, while Prof Balan highlighted the system's potential to enhance sports performance through precise, efficient, and cost-effective real-time video analytics. The software for the system was built by Tran Ngoc Doan Thu, a research scientist and recent SMU computer science PhD graduate who is part of the team led by Prof Balan.

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AI-aided trainings for enhanced supervision of swimmers' performance

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