

Mechanical Engineering in Robotics: Challenges and Opportunities

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Abstract: *The field of robotics has seen remarkable advancements in recent years, revolutionising various industries and sectors. At the heart of these technological marvels lies mechanical engineering, a discipline that plays a critical role in the design, development, and implementation of robotic systems. Though robotics and mechanical engineering are two separate entities, they are certainly related. Robotics refers to designing, building and using robots and the science behind doing so. It uses machines that can think on their own and act accordingly when presented with a situation. Mechanical engineering is different in the way that it refers to the physical tasks involved with the machines, and the design and production behind them. They both, however, revolve around using machines to solve problems*

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