

Robotics and Automation

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Abstract: *Robotics and automation have transformed modern industries by improving efficiency, accuracy, and safety. This report explores the evolution, key technologies, applications, benefits, and future potential of robotics and automation across various sectors. Additionally, it highlights challenges related to cost, workforce displacement, and ethical considerations. The paper concludes with an outlook on trends such as AI-driven robotics and human–robot collaboration.*

Keywords: *Robotics*

