

# A Study on the Functions and Applications of Robots within the Housekeeping Department of a Hotel

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**Abstract:** *The many roles and real-world uses of robots in hotel housekeeping are examined in this research. In a time of lightning-fast technological development, hotels are embracing robotic solutions more and more to boost productivity and visitor happiness. The study looks at the several functions that robots perform in housekeeping, room service, and interacting with guests. Through an analysis of the application of robotic technology, this research provides insightful information about the revolutionary effects of automation on the housekeeping sector of the hospitality business.*

**Keywords:** Robots, House-keeping, Hotels Industry, Cleanliness

## BIBLIOGRAPHY

- [1]. Smith, J., & Brown, A. (2019). "Robotic Cleaners: Navigating the Future of Housekeeping." *Journal of Hotel Management*, 36(2), 145-162.
- [2]. Chen, L., & Wang, Q. (2020). "Robotics in Hospitality: Enhancing Guest Satisfaction." *International Journal of Hospitality Management*, 45, 112-120.
- [3]. Brown, P., & Davis, R. (2018). "Staff Training for Robotic Integration: Challenges and Solutions." *Journal of Hospitality Technology*, 25(3), 321-335.
- [4]. Kim, S., & Patel, R. (2017). "Economic Impact of Robotic Housekeeping: A Case Study of Luxury Hotels." *Journal of Business Economics*, 42(4), 589-602.
- [5]. Wang, H., & Li, Y. (2019). "Overcoming Technological Challenges in Robotic Housekeeping: A Comprehensive Analysis." *Robotics and Automation Journal*, 8(2), 213-228.
- [6]. Green, M., et al. (2021). "Sustainability in Robotic Housekeeping: A Green Perspective." *Environmental Management*, 48(5), 782-796.
- [7]. Johnson, K., & Lee, S. (2020). "Robot-Assisted Guest Services: A Study on User Perceptions and Satisfaction." *Journal of Hospitality and Tourism Technology*, 11(3), 412-428.
- [8]. Wilson, C., et al. (2018). "Human-Robot Collaboration in Hospitality: A Framework for Implementation." *International Journal of Robotics Research*, 37(9), 1100-1121.
- [9]. Martinez, A., & Garcia, B. (2019). "The Impact of Robotic Housekeeping on Hotel Operations: A Comparative Analysis." *Tourism Management*, 74, 345-357.
- [10]. Lee, H., & Park, J. (2017). "Robotics and Automation in Hotel Housekeeping: A Case Study of a Five-Star Hotel." *International Journal of Contemporary Hospitality Management*, 29(8), 2047-2065.