

Smart Sanitizing Indoor Mobile Robot: Design and Development

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Abstract

Introduction

Existing Sanitizing Robots

System Architecture

Discuss two different architecture that we propose

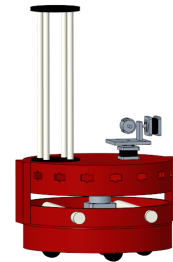
Features

Operating Principle

Detailed Design

Real-Time Computer Experiment

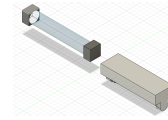
Conclusion



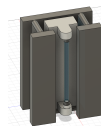
(a) Overall design of the proposed smart sanitizing robot.



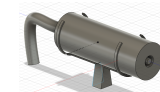
(b) Body design



(c) UV lamp model



(d) UV lamp conveyor



(e) Disinfectant sprayer mount

Figure 1: Design of Proposed Sanitizing Robots.