

Design and construction of a voice-controlled environmental monitoring robot

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Abstract: This topic focuses on designing and implementing an environmental monitoring robot system controlled via voice. The research context is driven by the need for automated solutions in the field of environmental protection to reduce human labor. The objective is to build a robot system capable of recognizing and processing voice commands while performing environmental monitoring tasks such as measuring air quality or collecting data on waste sources. The research method combines both theory and experimentation to ensure the system's effectiveness. The expected result is to provide a practical application solution for environmental monitoring, contributing to the development of voice-controlled robot technology in this field.

Keywords: Surveillance robot, Environment, Voice control