

Application of IoT and artificial intelligence for voice recognition in smart home control

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Abstract: In the current digital era, the demand for home management and automation is increasingly high. This topic focuses on developing a speech recognition system based on IoT (Internet of Things) and artificial intelligence aimed at controlling smart devices in the home through spoken commands. Through theoretical research combined with experimentation, the topic aims to address the issues of flexibility and ease of use in smart home management systems. The expected results contribute an innovative solution to digital life, providing a more convenient user experience.

Keywords: IoT, Artificial Intelligence, Speech Recognition, Smart Home, Automatic Management