

Design and construction of a smart mirror integrated with Google Assistant virtual assistant

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Abstract: In the context of the Fourth Industrial Revolution, the application of artificial intelligence to household products is increasingly emphasized. This topic focuses on the design and construction of a smart mirror integrated with the Google Assistant virtual assistant, aiming to improve user experience by providing natural voice communication and performing various daily tasks such as schedule management, weather checking, or sending messages. The research method combines theory with experimentation to evaluate the system's usability. The expected result is a useful and convenient solution for daily life, while also contributing to the fields of IoT and artificial intelligence.

Keywords: Smart mirror, Google Assistant virtual assistant, IoT, artificial intelligence technology, user experience