Design and construction of smart mirrors

Nguyen Thi Kim Thi

Abstract: In the modern context of the rapid development of information and communications technology (ICT), the design and construction of smart mirrors to meet the needs of multimedia learning, working, and entertainment are becoming urgent. This project aims to build a smart mirror system integrating functions such as image projection, audio playback, facial recognition, expression analysis, and providing useful information based on user behavior. The research method combines a review of existing literature with experimental implementation to ensure the system's feasibility. The expected result is a groundbreaking new solution that contributes to improving mirror technology and opens up many potential applications in fields such as education, healthcare, and entertainment.

Keywords: Smart mirror, ICT technology, facial recognition, integrated system, multimedia application