ABSTRACT

Nowadays, Nowadays, not only smartphones/computers that can be connected to the Internet, but a variety of real objects can also be connected to the Internet, including: Home, car, TV, industrial machinery, and so on. In the World Of IT field, this concept has been known as the term Internet Of Things (IoT). A hardware embedded in the tangible object becomes a smart object and can be connected to the Internet. But the availability of existing smart devices has not been able to be efficient only on a device. Therefore, the system designed in this research is Smart Mirror. The TA book has been designed and created by a Smart Mirror prototype to be expected to streamline by showcasing music, clocks, news, and weather. These Smart mirrorr are made by applying Raspberry Pi, Monitor, 2-way mirror camera, and also wood as a frame using the PCA (Participal Component Analysist) method and using Python tools designed into the Smart Mirror. And the result of this research, smart mirrors are capable of detecting and recognizing user faces and operating smart mirrors with voice commands.