

ABSTRACT

Security is one of the main aspects that must be considered in determining where to store valuables. A safe deposit box is one of the most preferred places to store valuable items such as gold, money, valuable documents, and others. Security systems in safes are now very diverse, starting from conventional lock systems such as rotary locks that still use analog lock systems to modern locks that use a microcontroller to design a combination lock system by entering a pin lock combination, RFID or using a fingerprint that already uses the digital lock system. However, each of these digital key security systems has the same risk, Where an unintended party would be able to attempt to access the security system without the knowledge of the Safe owner. Therefore this study aims to design a safe security system by utilizing a safe security system by adding Google Assistant integration using voice commands connected via the internet as an advanced authentication method. With the integration of advanced authentication into the security system by utilizing Google Assistant, it is hoped that it will be able to overcome the risks posed by the pre-existing security system by implementing the Internet of Things concept so that it can provide a safer security system.

Keywords: *Safe-deposit box, Advanced Authentication, Voice Command, Internet Of Things, Google Assistant.*