ABSTRACT

During the pandemic, maintaining physical distance between people is very decisive factor in preventing the spread of covid-19. Many solutions have been created to overcome problems during the pandemic, before the pandemic, which was originally a house bell only in the form of a voice as a sign if there were people in front of the house modified to be a tool that prevents meeting strangers who have the potential to transmit Covid-19

Therefore, the innovation to develop a home bell that was originally only in the form of a sound to find out the person in front of the house became a "*Smart Video Doorbell"* which is a tool helps homeowners know if there is somone at the door through the sound of the bell and camera connected through the homeowner's Telegram bot notification. With the components used in this tool are *ESP32 Cam* and *NODEMCU*. It is hoped that the creation of the *"Smart Video Doorbell*" tool can make it easier for homeowner's without having to meet face to face.

From the results of the discussion, the *Smart Video Doorbell* tool can run well. When *ESP32 Cam* detects a person, the bell can ring and automatically get a telegram bot notification in the form of a message that there are guests in front of the house.

Keywords : *Internet of Things (IoT), Smart Video Doorbell, ESP-32 Cam, NODEMCU*