

CURE (Smart Check-In Service Using Palm Vein Authentication)

Byun, Seongbin (School: Kyeongbuk High School)

Cho, Youngtae (School: Daegu Joong-Ang High School)

Lee, Seokho (School: Daegu Software High School)

First of all, a sensor captures your palm vein and logs your information. Second, a contactless thermometer measures your body temperature. Finally, the pump lifts the hand sanitizer and sprays from the dispenser. These three tasks are working perfectly and instantly. The only thing you have to do is putting your hand under the sensor bar. With the security of Palm Vein Authentication of CURE, contactless payment is possible only with the palm of your hand. It will make people's lives better. CURE Project will continue until a world where we do not need masks anymore comes.