SOLENT UNIVERSITY

SOUTHAMPTON

Bi-directional visitor counter and temperature sensor to prevent the spread of Covid-19 in shops

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Background

The Covid-19 pandemic has meant shops are required to help customers follow social distancing guidelines by maintaining a maximum capacity in their shops.

These new rules and regulations made shops position employees on the shop door, causing a decrease in productivity and long queues due to the lack of staff working on tills and shop floor.

The aim of this project was to develop a prototype device for visitor counting, which combined with a temperature sensor to help with early detection of fevers, which are associated with Covid-19.



Calibrated body temperature test results