

DESIGN DECODED 2021 : ART EXHIBITION



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ISBN 978-967-2948-13-1

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Printed by

Sinaran Bros. Sdn Bhd (No. 3968-X)
Percetakan-Offset-Digital-Penjualan
5-3-18, The Promenade,
Permaisuri Mahsuri,
11950, Bayan Baru,
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Physical Distancing in Kindergarten

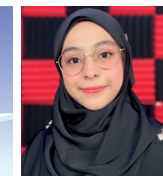
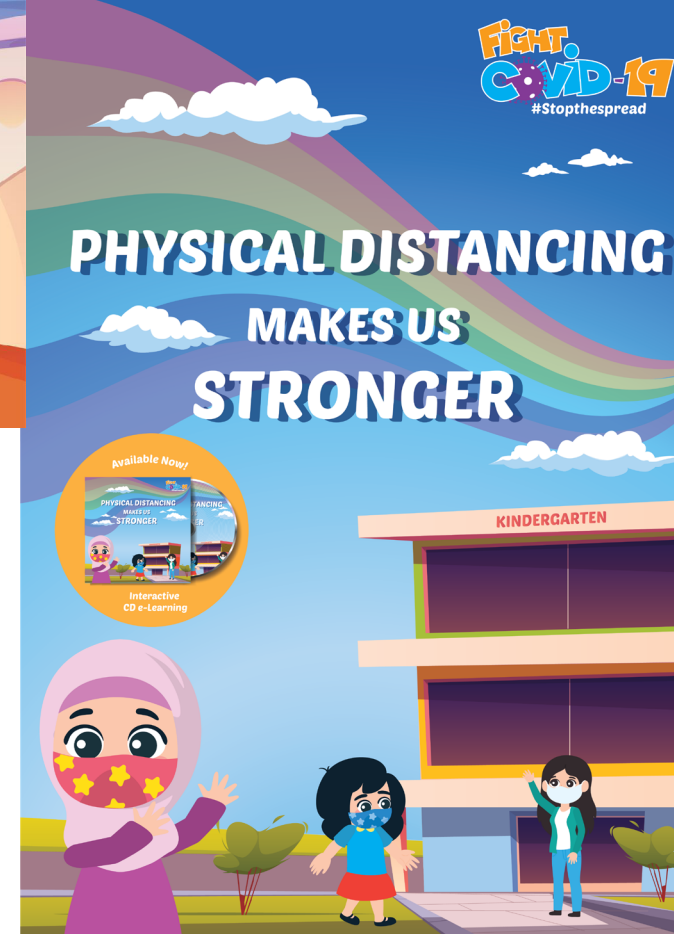
Since the beginning of the pandemic, the whole world has fallen into a sudden phase of displeasure followed by new norms that force people to wear masks and use hand sanitisers as frequently as they can. There is also social-distancing practice where people have to keep their distance from other people with at least 1 meter separating them to avoid the spread of the Covid-19 virus. More people are becoming afraid of going out in public as even a slight touch of an object that has been exposed to the Covid-19 virus could possibly infect you and the community that you live in, including your family and friends. The Ministry of Health of Malaysia (MOH) has ordered a strict Standard Operating Procedure (SOP) following these events to control the vast spread of the Covid-19 virus. Infrano is a wearable device that enables users to detect whether the surrounding people have symptoms of Covid-19 infections. One of the most noticeable symptoms of Covid-19 infections is that the infected often has an increased body temperature above normal and mostly they will catch a fever. This is one of the main points of developing this product. One of the features of Infrano is that it can scan the temperature of the user and it can also scan the temperature of the people surrounding the user within the range of 5 meters apart from the device itself.



This is due to the fact that one of the Standard Operating Procedures (SOP) of shops and public places is that they require people to either write their personal information for contact or scan the QR code and scan their temperature before entering these premises.

However, the researcher has found that some shops in rural areas do not have the free standing temperature scanners and more advanced infrared scanners to properly measure the temperature of people entering the shops. Thus, they have to resort to the more affordable handheld temperature scanners and some places do not even have the manpower to make sure the people entering these shops are following these Standard Operating Procedures (SOP) given by the Ministry of Health (MOH). This has caused the people to scan their temperature themselves using the handheld temperature scanners given, but the problem remains as there are more individuals touching the same temperature scanner, and most of the time the temperature scanners are not sanitised properly.

Moreover, the temperature scanners are often put close to the face of individuals which can also increase the chance of infection. Infrano could be a solution to these problems as it avoids close contacts of objects in public places. Infrano uses Infrared technology to scan the temperature and displays it on the screen of the product itself. The researcher intends to design a product that is affordable, has an aesthetic design that may fit with most types of people and is also useful in the prevention of spreading of Covid-19. This could possibly be a gamechanger in the market of health equipment to overcome the pandemic.



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Physical Distancing in Kindergarten

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ISBN 978-967-2948-13-1



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