



Second Telemedicine Innovation Challenge

More IT Savvy, More Healthy

2016

Telemedicine
Conference

Swan Convention Centre-Sunway Medical Centre,
16-18 Aug,2016

mHealth

Regular medical check up

Jane's mother is 75 years old. She brings her mother to the health clinic in town once a month for medical check up. Due to the crowd, they usually wait up to three hours before it is their turn to see the doctor for consultation. The doctor usually checks Jane's mother's blood pressure, blood sugar, weight and attend to other medical condition if there's any.

Jane wonders if there is a system where she can monitor her mother's health conditions regularly at home and only consult the doctor when there's a need so that she doesn't have to spend hours at the health clinic for regular medical check ups. In addition to this, Jane's mother always forgets to take her medication if there's no one at home to remind her.

Athlete with Asthma

Danny is a 14-year-old boy who is very active in soccer. He represents his school in the youth championship league. Danny has asthma since childhood but is not compliant with his asthma treatment as both his parents are busy entrepreneurs. Lately, he has been feeling breathless each time he exerts himself on the field. He is devastated as it could affect his upcoming league game.

Danny's doctor has advised him to closely monitor the progression of his symptoms and to be compliant with his treatment. He wonders how technology can help him.



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Collapse and unconscious

Allan is a businessman. He leads a hectic lifestyle which includes a lot of travelling. Lately, he was diagnosed with unstable angina. He has a family history of cardiovascular disease such as hypertension heart attacks. He is worried that one day he might collapse while travelling in a foreign country.

He wants to know how technology can help him in such a case of emergency. He knows that a heart attack needs immediate treatment for a higher chance of survival. It would be great to alert passersby about his illness in a case he falls unconscious and to alert the nearest medical centre for a quick medical response.

Effective healthcare system

rs. Goh is a successful entrepreneur. Her job requires frequent relocation from one city to another. It is a troublesome situation for her as she suffers from an autoimmune condition known as Systemic Lupus Erythematosus (SLE).

She needs regular check-ups and medical attention when there is a flare up from her autoimmune disease. It is hard for her, especially having to explain her illness all over again each time she visits a new hospital or doctor, as they do not have a trace of her medical records.

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The Aedes invasion

Dengue is currently an endemic disease in Malaysia. Rising death rates resulting from dengue is worrying. The signs and symptoms of dengue are often prolonged fever, rash and muscle aches.

The critical period is when the platelet count becomes low in the blood and the haematocrit starts to rise. This means the blood viscosity becomes thinner as the blood vessels are more permeable to bleeding.

Is there a technology out there that can pick up such changes before it is too late? Is there a system that can be deployed to monitor the disease's pattern and to predict an outbreak? Is fogging effective?

Diabetic hassles

Muhammad Azam is a 54-year-old man who has diabetes for the last 10 years. He is from Segamat and visits an endocrinologist in Johore Bahru every three months. Recently, his diabetes has become uncontrolled. His blood sugar level has been going haywire, way above the acceptable range.

Muhammad Azam has a poor habit of not knowing what the sugar content of his food is and often forgets to take his medications on time. He also finds it troublesome to monitor his blood sugar profile at home, and the need to attend clinics regularly.

Muhammad Azam continues to fast during Ramadhan but is sure of the precaution he needs take and if he needs to modify his treatment during Ramadhan.

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