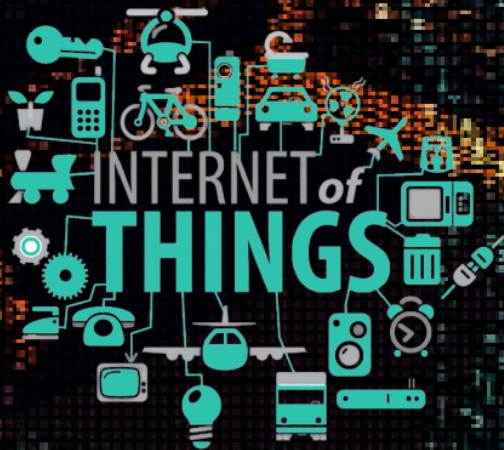# INTERNET OF THINGS

What is it?

A system that connect devices by internet to transfer and receive data from one to the other.

How does it work?

IoT contains embedded system such as sensor and chips that make devices "talk" possbile and can be control remotely.

Example

As simple as controlling air conditioner using smartphone or complex system like smart car that can drive autonomously.

How it helps humans in life?

There are so many ways that IoT can help humans. It cannot be all listed here. The most vital thing that IoT can do is connecting devices seamlessly and the data collected and analysed to develop efficient machine learning which helps humans in making decision. From the data analysing it will help humans to keep sustain the world that already overpopulated.

YOUR FUTURE AWAITS YOU

TM INDUSTRY TALK

ABOUT?

The talk is from Mr. Nazri HJ Edham, the Head Product Design of Telekom Malaysia. The talk is about the role of TM in supporting the 4th revolution in Malaysia as well as the adoption areas of 4IR which were the Cloud/Digital, Smart City and 5G

CLOUD/DIGITAL

It is the digitalization of services which enhances the user's experience and is more efficient to operate. For example, we use whatsapp now but in the past we used SMS.

SMART CITY

The technology which instinctively adapt to respond to the needs of the citizens. For example, the Smart Water Integrated Management System (SWIMS) which reduces water wastage, increases water revenue and provide total visibility for the water industry

5G

It is the following generation of mobile network evolution. It is a unifying connectivity fabric for society and an extensive mobile ecosystem to new industries. Example of 5G uses is the Smart Parking used by Majlis Perbandaran Langkawi

WHAT IS TM?

Telekom Malaysia (TM) is a converged communication services provider which gives hyperconnected data centres in a prime area which meets the global standards. With this, TM can provide cloud services like TM One as well as IoT services in Malaysia such as artificial intelligence. Through these services, TM is supporting the 4IR in Malaysia.

REFLECTION

As the 4IR is actively taking place, many aspects of human life are made easier and faster. The existence of a new mobile network evolution which has low latency and capable to have a thousand connections for every kilometer, allows the existence of technologies which will improve businesses effectiveness but as well make way for the existence of smart cities. However, this transformation can cause disturbance to our culture and how we usually work. Therefore it is important for us to adapt to such changes and understand the nature of the 4IR for the betterment of our future.

CYBER SECURITY INDUSTRY TALK

ABOUT ???

Ms. Sarah Khadijah Taylor, strategic and project manager digital forensics department from Cybersecurity Malaysia had delivered talk about the effort that has been done by Malaysia towards the IR4.0 and the direction has been drafted by Malaysia . Ms. Sarah also give some advice on how to progressively market ourselves for future purpose.

INTRODUCTION

Industry forward the national policy of industry 4.0 that developed by ministry of international trade and industry (MITI):-
What is IR4.0 ?

Infusion of automation to the manufacturing sector in daily task
How it works ?

Infusion of automation to the manufacturing sector in daily task
Why ?

Enhanced efficiency, ultimately driving competitiveness in market value

CYBER SECURITY IN MALAYSIA

People

to create knowledge workers in terms of upskilling, certification and job attachment program and awareness program
Process

to develop process that us accepted by international standards by developing process method, SOP and guidelines
Technology

to setup labs to create and test the development product and have a pilot project

REFLECTION

Moving towards to the IR 4.0 is important because from agriculture to transport, technology is changing the way we live our lives and interact with those around us and with these technological innovations, the world is becoming a more seamless place where almost everything is available to us, any place, any time

CITATION

4th IR

- https://www.pinterest.com/pin/796152040356022331/
- https://www.youtube.com/watch?v=6mBO2vqLv38
- https://www.cis.com.au/media/blog/Green_IoT.png
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- https://www.keyinfo.com/pros-and-cons-of-the-internet-of-things-iot/
- https://w7.pngwing.com/pngs/284/134/png-transparent-smart-city-internet-of-things-sustainability-project-city-text-city-logo.png

Industrial Talk 1 by TM

- https://elearning.utm.my/21221/pluginfile.php/464594/mod_resource/content/1/%231%20Industrial%20Talk%20TIS%202021-20211101%200703-1.mp4
- https://www.tmone.com.my/solutions/smart-services/\
- https://www.coresite.com/blog/hyperconnected-data-centers-optimizing-hybrid

Industrial Talk 2 by Cybersecurity Malaysia

- https://elearning.utm.my/21221/mod/resource/view.php?id=82372

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