TECHNOLOGY INFORMATION SYSTEM & 4IR

Industrial Talk 1 By TM

Introduction

Telekom Malaysia Berhad, (TM),is an internet service provider in Malaysia, It was founded on 12 October in 1984 By Dato' Mohammed Azlan Hashim (Chairman) Imri Mokhtar (Group Chief Executive Officer) as for their headquarters located at Telekom Tower, Kuala Lumpur, Malaysia.

Content of Talk

In the talk session, TM focuses more on how was their journey with 4IR (Industry Revolution in search to develop more useful technology. First, they managed to create 3 important parts which are data centers, cloud services and Internet of Things (IoT) . Therefore, all of them can be used in the development of digital government, economy and society. In addition, currently they are working in developing and providing new 5G network in Malaysia.TM also contributes in working together in the development of 1st class technology in other countries as well.

Telekom Malaysia's logo

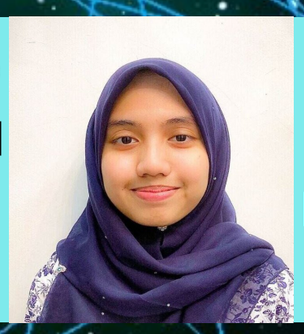
Executive Summary

Telekom Malaysia Berhad, which known as (TM), is a No.1 or champion as Converged Communications Services Provider in Malaysia. It also acting as a regional Internet hub and digital gateway for South-East Asia as it offers a comprehensive range of communication services and solutions in broadband, data and fixed-line hence opening up possibilities through connection, communication and collaboration, towards our shared vision of elevating the nation into a high-income economy.

Self Reflection

In my opinion, I believe that the cooperation between TM and 4IR will resolve many problems and drawbacks in the future as we know, 'modern problems require modern solutions' as technologies keep on evolving in a fast paced . We cannot predict the future but we can create a better one as we take a more holistic approach .With this, I believe that we are able to meet the global demands in the industry, education, health, telecommunication and many more.

MUHAMMAD RIDZUAN BIN BAKAR
A21EC0091



NUR DINI FATINI BINTI MOHD KAMAL
A21EC0110

FARHANAH AINA BINTI MD AYUB
A21EC0024

MUHAMMAD FAZREEN BIN AZHAR
A21EC0074

4TH IR TECHNOLOGY: INTERNET OF THINGS (IOT)

The Fourth Industrial Revolution is a term used to describe how the physical, digital, and biological worlds are becoming increasingly intertwined. Artificial intelligence (AI), robots, the Internet of Things (IoT), 3D printing, genetic engineering, quantum computing, and other technologies have all come together to create it.

While 4th IR is used to transform society in better ways, it is built on the foundations created by the previous three industrial revolutions.

WHAT IS IOT?

The Internet of Things (IoT) refers to physical objects (or groups of such objects) that are equipped with sensors, processing power, software, and other technologies, and that connect to and exchange data with other devices and systems over the Internet or other communication networks.

DESCRIPTION

- The Internet of Things, or IoT, refers to the billions of physical devices connected to the internet and collecting and exchanging data around the world.

- The Internet of Things is bringing the digital and physical worlds together to make the world around us smarter and more responsive.

Wearable Health Monitors

- Smartwatches are both visually appealing and functional. Medical wearables and smart wristwear will supply us with high-quality health services. They're made to track things like pulse rate, step count, and heart rate, among other things. This information is saved and can be shared with a doctor for a more in-depth fitness evaluation.

EXAMPLES

Smart cars

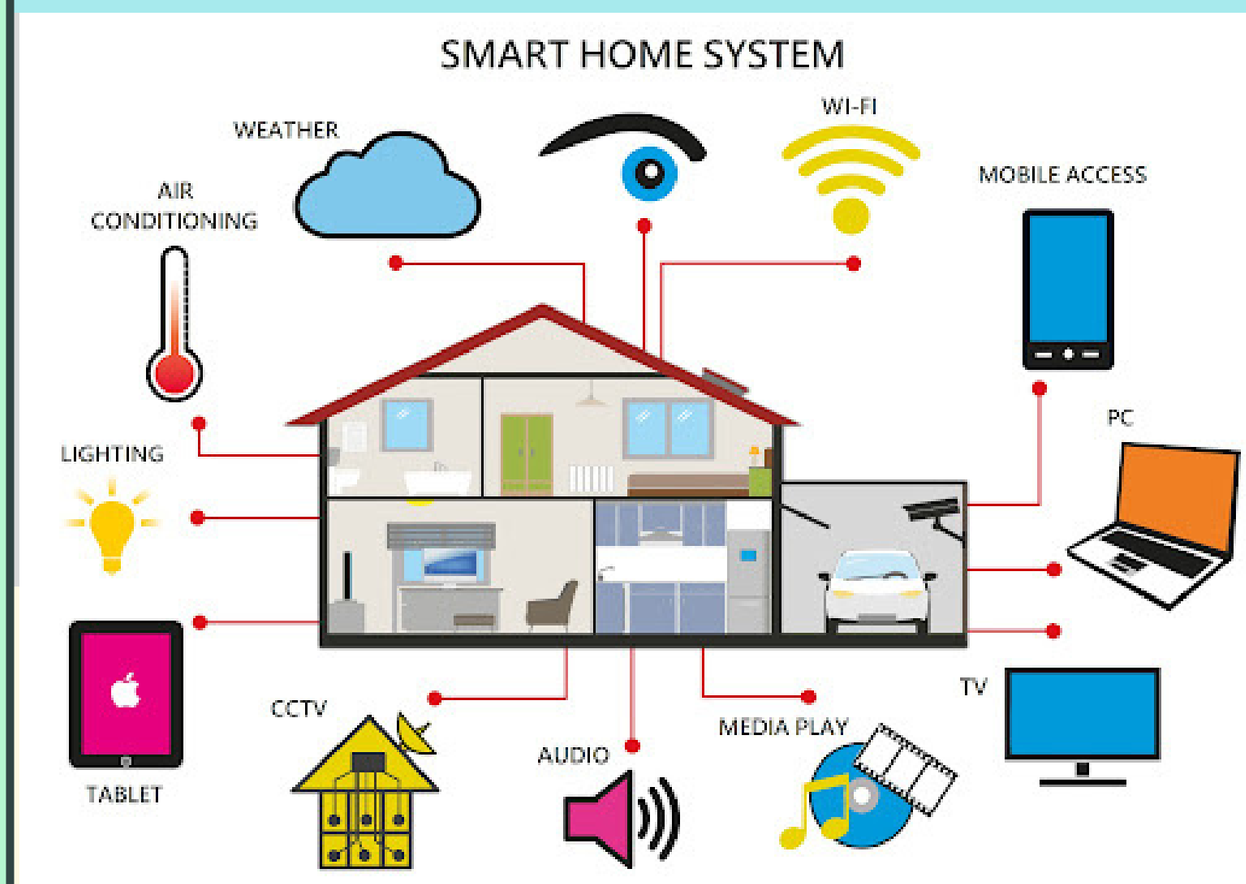
- Development of smart cars. The Internet of Things permits human-to-human, machine-to-machine, and human-to-machine connections, all of which will influence how our cars run.

- IoT-connected vehicles are now equipped with sensors allowing them to pick up information from their surroundings. These sensors and cameras provide the driver with a stream of diagnostic information that can be acted upon. Some cars even feature automated brakes that react if sensors detect something in the path of the vehicle. Smart automobiles that are connected to the internet of things can help with parking, car maintenance, and crash prediction.

Smart home

- Smart houses which are part of automation system has become a popular trend. Electronic devices like lights, fans, and television are connected to one another over the internet in a smart home and can control from a distance.

- Lighting, energy management, and remote access are all features of a smart home. They are costly for installation yet has made our life simpler and easier



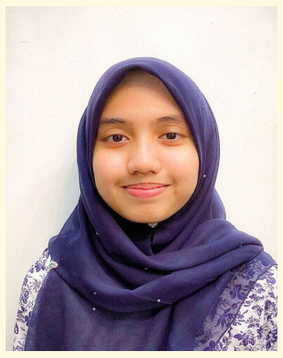
REFLECTION

- Consumer aspect : IoT has made our life better because they developed technologies, can clearly help consumers in managing their time by acting as a clever time-saving tool. Next, we are able to find the latest news on our phones during our daily commute, read a blog about our favorite hobby, buy something in an online store, and nearly everything else from the palm of our hands.

- Business aspect: IoT really helps in order to create new business opportunities because IoT helps you collect data from the network and utilize advanced analytics to unearth new business insights and possibilities while also lowering operational costs.

- Safety aspect: IoT really assists us in adapting to the technological changes through the advancement of the world in many years ahead. With the use of IoT and having an integrated safety system, we are able to reduce danger risk as it will be detected earlier. Using the human workforce without IoT has higher security risks as there are chances of carelessness and unawareness.

FARHANAH AINA BINTI MD AYUB
A21EC0024



NUR DINI FATINI BINTI MOHD KAMAL
A21EC0110

MUHAMMAD FAZREEN BIN AZHAR
A21EC0074

MUHAMMAD RIDZUAN BIN BAKAR
A21EC0091

IR4.0

What??

Cyber security is the practice of defending computers, servers, mobile devices, electronic systems, networks, and data from malicious attacks. It's also known as information technology security or electronic information security.

Summary:

To make it simple, the talk context is about how or what it takes for Malaysia to improve technology manufacturing as we can see that we are falling behind in many terms and how to resolve all of it.

CYBER SECURITY

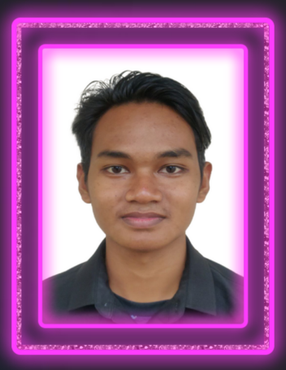
CONTENT:

As all know,in the talk Malaysia confront with many issues from many aspects in becoming an IT powerhouse but it all will be sort out as mention in the framework which is consist the vision,the goals, and the shift factors. For example, upskilling and reskilling, inclusive involvement if SME's, innovation improvement, funding support, and providing good digital support.

REFLECTION:

The hypes is skyrocketing and we are hoping that the vision and ambition in the talk will be realize and make us better as a developing country.

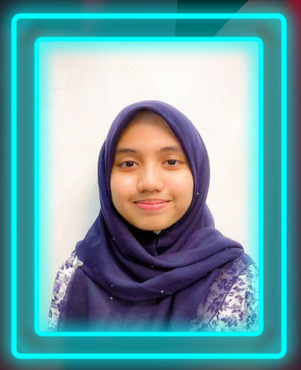
Despite the growth of 4IR , we must improve in having better technological infrastructure through the goverment incentive boost to ensure cybersecurity is not left behind as we are always require better cyber security in preventing many unwanted cyber attacks



MUHAMMAD FAZREEN BIN AZHAR
A21EC0074

MUHAMMAD RIDZUAN BIN BAKAR
A21EC0091

FARHANAH AINA BINTI MD AYUB
A21EC0024



NUR DINI FATINI BINTI MOHD KAMAL
A21EC0110