

## THE FOURTH INDUSTRIAL REVOLUTION

# AUGMENTED REALITY

AUGMENTED REALITY IS A TECHNOLOGICALLY IMPROVED REPRESENTATION OF THE PHYSICAL WORLD THAT IS CREATED BY USING DIGITAL VISUAL ELEMENTS, SOUND, OR OTHER SENSORY STIMULATION IN YOUR DEVICE.



### IKEA PLACE

By using a "virtual tour" concept, AR could allow you to virtually try place furnitures in your house before buying.

### POKEMON GO

People can bring the pokemon characters into real world through their phone with this app.

### AVIATION TRAINING

The flight crew used AR during their training to let the crew to be well prepared in unexpected situation such as fire in a cockpit.

BY INSERTING VIRTUAL THINGS INTO THE ACTUAL WORLD IN REAL-TIME, AUGMENTED REALITY TRANSFORMS YOUR SURROUNDINGS INTO A DIGITAL INTERFACE.

#### TYPES OF AUGMENTED REALITY :

- 1) Projection-based AR
- 2) Recognition based AR
- 3) Location-based AR
- 4) Outlining AR
- 5) Superimposition based AR

<https://www.igreet.co/the-5-types-of-augmented-reality/>

## REFLECTION

AR mainly helps in giving information and makes our life easier by applying virtual image through gadget as example, phone and tablet. Furthermore, AR also be developed so that we could share our experience with others throughout the world.

Especially during this pandemic, AR do helps a lot in helping people to shop efficiently and be more engaging while shopping.



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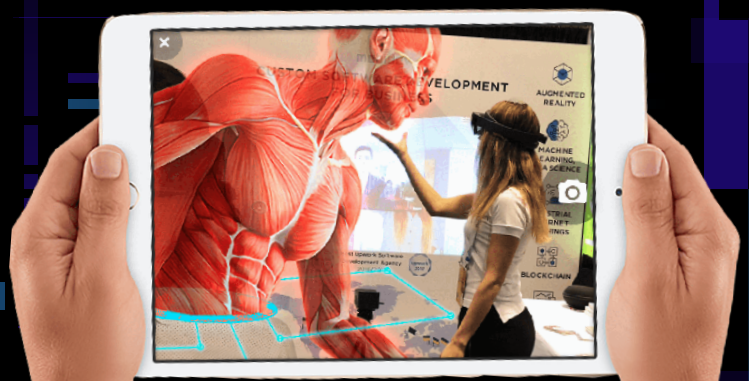
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# TECHNOLOGY INFORMATION SYSTEM AND 4IR



## INDUSTRIAL TALK 1 BY TM

### EXECUTIVE SUMMARY

The talk was given by Mr. Nazri Edham, the head of product design, TM commercial. The talk covered some of the adoption areas within 4IR such as cloud/digital, smart cities, and 5G. Market forces are driving digital transformation(DX) in business across all verticals. The outcomes of the transformation are such as innovative business model, enhanced customer experience, and operational efficiency. There are multiple approaches in adopting Smart Services for Smart Cities, such as the vertical services, a collaboration of multiple parties, Public-private partnerships, and existing service enhancement. Lastly, the 5G scope and parameters were explained, like mobility, spectrum efficiency, network, and area traffic capacity. Mr. Nazri also talked about the difference between 5G and 4G and 11 use cases of 5G.



Telekom Malaysia's Logo

### INTRODUCTION

Telekom Malaysia Berhad (TM), is the national network and advanced foundation supplier and Malaysia's driving coordinates telco; set to empower Digital Malaysia by advertising a comprehensive suite of communication administrations and arrangements in settled (communication and broadband), portability, content, WiFi, Cloud, Data Center, cybersecurity, IoT and smart services.

### CONTENT OF TALK

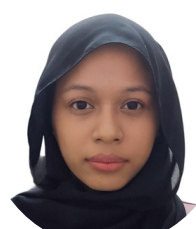
The talk focuses on how TM is on their journey to connect with 4th industry revolution (4IR) and how 4IR are developing technology more. In this talk, it is explained about the adoption areas within 4IR in which consists of cloud/digital, smart cities and also 5G internet connection. Some of the topics explained under 5G is the difference between 4G and 5G, how 5G opens up a wide range of uses cases an more. TM also helped connect 4IR by building world class data centres to support development within region.

### SELF REFLECTION

TM and also 4IR helps make things easier for humans to not only communicate, but also helps for technology development as example 5G internet connection that is currently being spread worldwide. It is also not an exaggeration to say that 4IR increases the productivity, efficiency and quality of technology processes in which unlocked more market opportunities and also fueled technology growth globally.



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# TECHNOLOGY INFORMATION SYSTEM AND 4th INDUSTRIAL REVOLUTION

Industry Talk 2 by  
Cybersecurity



## 01 Executive Summary

CyberSecurity is a practice to protect systems and data from cyber-attacks which committed to people, processes, and technology. It is also involving digital forensics. The establishment of an agency like MCMC is an effort to control some cyber issues such as pornography other than creating awareness.



## 02 Introduction

CyberSecurity Malaysia is an agency under the Ministry of Communications and Multimedia to secure the nation's cyberspace. The main services offered by CyberSecurity are :

CyberSAFE CyberCSI  
MyCERT CyberGuru

## 03 Content of Talk

CyberSecurity Malaysia has committed to:

- 1) Create knowledge workers.
- 2) Develop a process that is accepted by international standards.
- 3) Setup labs to create and test product.

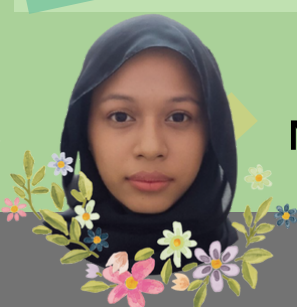
### Digital Forensics

A service where data or digital evidence is analyzed which involve **IDENTIFICATION, COLLECTION, ANALYSIS** and **PRESENTATION PROCESS**.



## 04 Reflection

Cybersecurity Malaysia has proved how important its role is in managing the safety of the internet. They analyze and assess damage to the data/infrastructure to prevent security incidents. Our government need to focus on polishing up this sector to keep our internet safe from malware and cybercrime.



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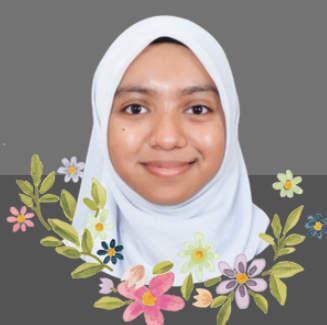


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