

Subject : Technology and Information Systems (SECP1513)

Section :3

Assignment : Report Industry Talk 1

GROUP NAME / NUMBER : 8

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# INDUSTRIAL 4.0:

# PAST · PRESENT · FUTURE

## 1. INTRODUCTION

TM: Telekom Malaysia Berhad  
 Founded: 1984  
 Traded as MYX: 4863

Key People:

1. Tan Sri Dato' Seri Mohd Bakke Salleh (Chairman)
2. Imri Mokhtar (Group Chief Executive Officer)

HQ: Telekom Tower, KL, Malaysia

Parent: Khazanah Nasional

Provided services: UniFi, Streamyx, TMnet, Tmgo

Topic:

1. Industrial Revolution 4.0
2. 5G

## 2. EXECUTIVE SUMMARY

IR = Industrial Revolution



A) IR1.0, IR2.0, IR3.0 - the history of industrial revolution

IR1.0 - revolution of mechanical power

IR2.0 - revolution of electricity, mass production

IR3.0 - revolution of digital & computing

B) IR4.0 - for now and future, revolution of artificial intelligence

C) Components include in IR4.0:

- Autonomous robot
- Simulation
- System Integration
- Big Data and Analytics
- AR: Augmented Reality
- Cloud Computing
- Industrial Internet of Things
- Additive Manufacturing

Example: Commerce 4.0, SmartHome, Tesla, Inc., 3D-printing



D) Future of Work

E) Enabling DigitalMalaysia powered by TM

F) TM 5G Smart City Solutions

- Smart Tourism
- Cities become efficient
- Smart Agriculture Solutions



## 3. CONTENT BASED ON THE SITUATION DISCUSSED IN THE TOPIC

In IR4.0, there are many aspects that are still improving:

- autonomous robots
- cloud computing
- AR
- commerce 4.0
- education 4.0
- Internet of things (IOT)

The industrial talk has also introduced the past, present and future jobs that would become famous

Big data analytics, electric car and smart home exists but to improve it, 5g need to be localized.

There are already services that can be used by people such as:

- Grabcar
- Foodpanda
- i-watch

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There are places where 5G services are provided-Pulau Langkawi.

The services are:

- smart agriculture
- smart vehicle system
- smart retail analytic
- smart traffic light
- and many else



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## 4. REFLECTION

Human being, as the caliph on earth, showed that we are able to change the world with our endeavor. Every Industrial Revolution brought tremendous changes to civilization of human being, we are now heading to the era of artificial intelligent, IR4.0

During the industrial talk 1, Mr. Redzuan Shah Yussoff, the Director of Southern Strategic Economic Region, Telekom Malaysia discussed about Industrial Revolution 4.0. Since Malaysia is one of the countries forging ahead with IR4.0, the objective is to modernize our industrial capability, and transform the economy from a low-cost manufacturing country into a high-value competing manufacturer. Since the implementation of IR4.0, Malaysia has also improved its technology infrastructure. The innovation of technology helps us in economics. For instance, people can now purchase their needs anytime via online shopping platform. Besides, it has also helped us in terms of education. This can be seen clearly in our pandemic now as every school and university are using the online learning method.

Overall, while we are enjoying the benefits that technology brought to us, we should appreciate the convenience of technology products but not addicted to it. We should also not abuse it to implement any illegal activities, use it in the right way to keep the harmony in our society.