Internet of Things (IoTs)

The Industrial Revolution has evolved since 1784 and make it to its 4th revolution in 2010s in order to assist people and society for betterment, starting from single computer and evolved to more advanced technologies nowadays.

Description of IoT

IoT describes the network of physical objects—"things", embedded with software and other technologies to connect and exchange data with other devices and systems over the internet.

Examples of IoTs

Smart security system

Smartwatch

Home assistant devices

Reflection

The 4th Industrial Revolution can be achieved to the fullest as people nowadays depending mostly to technology. Our opinion as a whole and for the most part:

- Efficiency for user & increase the productivity
- Able for user to multitask
- Makes things easy and handy

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TECHNOLOGY INFORMATION SYSTEM FOURTH INDUSTRIAL REVOLUTION

MR NAZRI EDHAN
HEAD OF PRODUCT DESIGN, TM COMMERCIAL

Digital Government
Smart City, Smart Traffic Light, Security, CCTV, Smart Water System, ICT/ BPO, Data Analysis

Digital Economy
Smart Building, Smart Farming, Drone, DC/ Cloud, Digital Payment, Data Analytic

Digital Society
Smart Home, 5G, Green Technology, Apps, Solar System, Electric Car

Jendela — Jalinan Digital Negara

Digital Malaysia Powered by TM

ABOUT US

Telekom Malaysia Berhad (TM) is the No. 1 Converged Communications Services Provider in Malaysia. As a market leader, TM is driven by stakeholder value creation in a highly competitive environment. The Group places emphasis on delivering an enhanced customer experience via continuous customer service quality improvements.

WAY FORWARD

- People need to be concerned as how the future we want will criss-cross with respect of human values (i.e: degradation of moral, ethical, greater rich-poor divide).
- People need to be prepare mentally and physically for adaptation of new technology - 4.0 IR.

INDUSTRY 4.0

ADOPTION AREA WITHIN 4 IR

Cloud/ Digital
- Managing Logistic Performance & Efficiency with Smart Fleet
- Smart Water Integrated Management System (SWIMS)

Smart Cities
- Adopting Smart Services.
- Combine budgets, cross subsidy

5G
- 5G Digital Malaysia
- i.e: eMBB, mMTC, uRLLC

REFLECTION

- A life changing revolution to mankind.
- More benefits and disadvantages need to be considered.
- People need to sacrifice huge things in order to achieve greater thing.

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INDUSTRY TALK 2

TECHNOLOGY INFORMATION SYSTEM & INDUSTRY REVOLUTION 4.0

Ms Sarah Khadijah Taylor
(Strategic & Project Manager Digital Forensics Department, Cyber Security Malaysia)

EXECUTIVE SUMMARY

The talk emphasizes how crucial adopting IR4.0 in bridging Malaysia manufacturing industry sectors connected through digital. Besides, it also highlighted challenges face by Malaysia's readiness and capabilities toward IR4.0. In brightening goal as global industrialized nation, MITI came out with national policy as a strategy to boost Malaysia smart system along will assist to strengthen the industry. By analyzing the overcome, there also listed the suggestions to put Malaysia moving forward
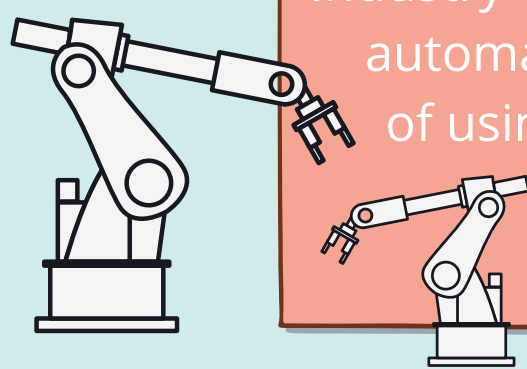
INTRODUCTION

Industry 4.0 has been characterized as "a term for the present trend of automation in manufacturing technologies production lines" instead of using labor force, also encompassing cyber-physical systems, the Internet of things, cloud computing and things related to digitalization , as well as the creation of the smart factory.

MALAYSIA ISSUES & CHALLENGES

innovative

To have a great competition among global companies, widening the explorations along with the digital approaches are necessary to create and offer new local products. Examining customers' expectations and needs will help to generate ideas for product satisfaction.

demand

Malaysian SMEs' lack of adoption of digitizing options in the organization causes fading the nation goals in IR4.0. Based on those MITI's research, interconnecting with digital tools will produce profits and high quality services.

digital readiness & connectivity

ecosystem support

Reliable on the government itself is not sufficient in the transformation to IR4.0. For some reason, the Ignorance by the Institutes, industry leaders and universities cause a shortage of new knowledge. Hence, each sector play a major role in order to have a strong ecosystem bond.

training providers

In order to instill the interest to the world of IR4.0, Malaysian ministries must take effective steps. For instance, the STeM subject. The syllabus itself must align to the recent and upcoming global industry needs for producing skillful and well-equipped folks.

supply

WAY FOWARD

NATIONAL POLICY ON INDUSTRY 4.0

A - attract stakeholders to boost Malaysia as an industrialized nation.

C - create ecosystem to enable an impressive collaboration and support.

T - transform Malaysia industry capability.

REFLECTION

- enhance efficiency in production and management.
- services are smart, systematic, and resilient.
- economic growth, increased well-being and communication, educational accessibility, and environmental sustainability.

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