TM Industrial 4.0: Past, Present, Future

Group 05

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Introduction

Telekom Malaysia Berhad (TM) is the Malaysian media communications organization which is established in 1984. Starting as the public media communications organization for fixed line, radio and TV broadcasting services, it has developed to turn into the nation's biggest supplier of broadband administrations, data, fixed-line, pay TV and network services.

1st, 2nd & 3rd -IR

1st IR :
Mechanical Production - steam, water - 1784 : First power loom.

1st -IR

2nd IR :
Mass Production - electricity - 1870 : First assembly, line.

2nd -IR

3rd IR :
Digital - IT, Electronics - 1969 : First programmable logic controller.

3rd -IR

4th-IR list of components

Components of 4IR :
1. Autonomous Robots.
2. Simulation.
3. System Integration.
4. Industrial Internet of Things.
5. Cybersecurity.
6. Cloud .
7. Additive Manufacturing .
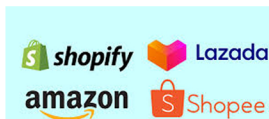8. Augmented Reality.

Education 4.0

Highee Education system Malaysia

Education 4.0
- Augmented reality
- Virtual classrooms
- Digital learning materials
- Technology-based evaluation

Commerce 4.0

Some example of E-commerce

Commerce refers to the activity of buying and selling, usually on a large scale. Commerce 4.0 is related to buying and selling online or considered as e-commerce. It is based on data analysis to improve and manage current practices by adopting artificial intelligence technology in the process to study the pattern.Examples of the platforms are Lazada, Shopee, and Amazon.

The Job of tomorrow

The future job that could be predicted based on the current trend is the job related to the invisible analytics, artificial intelligence, virtual reality, video consumption, wearables, 3D printing. video consumption, wearables, 3D printing, drones, connected car, smart home and mobile payments.

The job of past, present & Future

past

Past Job List:
Computer operator, film projectionist, ice cutter, rag and bone man, switchboard operator, typesetter, typist, VCR repairer

Present job list

Biomass plant technician, Cloud services speciallist, Digital marketing specialist, Mobile app designer.

present

Future job:
3D printing technician, Computer vision engineer,Ethical hacker, Machine learning engineer, Web history archivist etc.

The day of future

Reflection

Innovation will improve the predecessor technology to a brand new and better architecture which will provide a better outcome and solution. For example, the innovation in transportation aspect such as innovation of conventional vehicles to self-driving vehicles can aid in reducing human daily workload and complex thus makes life easier and more meaningful.

Reference:
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