INDUSTRY REVOLUTION 4.0: PAST, PRESENT, FUTURE

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INTRODUCTION

The Fourth Industrial Revolution (IR 4.0) is the angaing of traditional manufacturing by using the modern technology with large scale of mchine to machine (MZM) communication and Internet of Things (IGT) that are integrated to increase the automation, improved communication and self-monitoring. Most of the company and arganization operating today face the challenges which is the need for connectedness and access to real-time insights across process, partner, products and ecole.

Industrial Revolution

INDUSTRIAL REVOLUTION 1.0 (IR 1.0)

- 17th 18th Century
- Mechanization & introduction of steam and water power



INDUSTRIAL REVOLUTION 3.0 (IR 3.0)

- The era of computing and digital revolution
- Automated production, computers, IT-systems &



INDUSTRIAL REVOLUTION 2.0 (IR 2.0)

- The birth of electricity by Thomas Edison
- Mass production assembly



INDUSTRIAL REVOLUTION 4.0 (IR 4.0)

- The era of Artificial
 Intelligence (AII)
- Intelligence (AI)

 The Smart Factory,
 - Autonomous systems, IoT & Machine Learning



Summary

In conclusion, including 40 has been defined as "a name for the current trend of automation and data exchange in manufacturing technologies, including speen flycing stytems, the Internet of things cloud computing and cognitive computing and creating the armost factors.) Meanwhile, the development of the mannet standard job mappened using the real including 30 is soon to be based in the legislar modulate member standard in the legislar modulates and the legislar modulates against the same standard to the legislar modulates and the legislar modulates against the humans through the internet. However, the reasons why including 40 is important are the benefit, it feller modulations with current challenges by becaming more feebble and needing to of hongs as the market easier. It also can increase the challenges by becaming more feebble and needing to of hongs laster design processes.



BENEFIT

- Education 4.0

 Learning experience using Virtual Reality (VR)
- Commerce 4.0

 Service provider will study
- our shopping pattern
- Smart Home
 Control our home via
 smartphone by using Al
- Smart Traffic Light
 Gather information from vehicle such as plate
- number, type of vehicle and etc. • Introduction to 5G Provide faster download and
- upload speed to make our work easier • Cloud Computing
- Save our document or file on the cloud to prevent the virus attack our files

Reference

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- https://www.studymalaysia.com/educ tion/top-stories/the-fourth-industrialrevolution-ir-4.0-and-what-it-meansfor-students-like-you