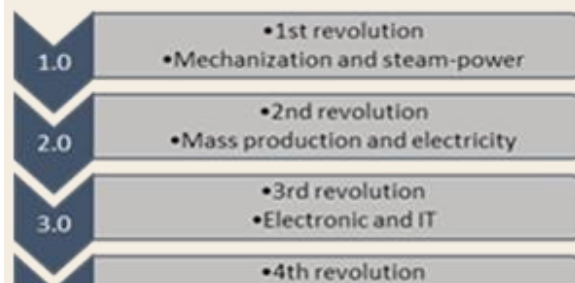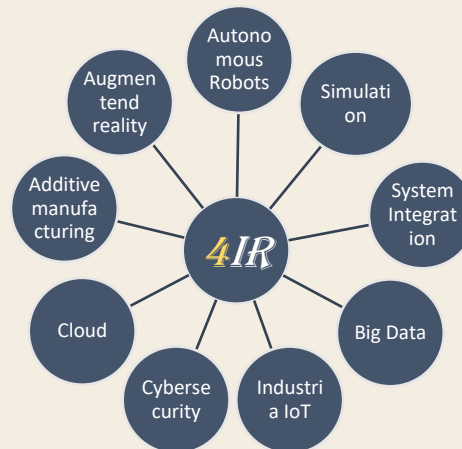# ABSTRACT

INDUSTRIAL 4.0 : PAST, PRESENT FUTURE

4th revolution industry phases have been identified in term of technology evolution. 4th revolution industry is the ongoing automation of traditional manufacturing and industrial practices, using modern smart technology or we can describe it as we using artificial intelligence system in our daily live. There are nine key components of industrial 4.0 which shows it combining of three past industrial. However, we can see the used of insdustrial 4.0 in nowadays education, e-commence, transportation and home . The implications of industry 4.0 in our daily lives can help us in launching more activities we do. The existance of industrial 4.0 gives us an idea of future jobs through the trend nowadays. This can be evidenced by the use of several key components of industrial 4.0 by the company nowadays.

INTRODUCTION

On 24th November 2020, a program called Industrial Talk was held. It happened in Webex from 10.00a.m. until 11.00a.m. Students from School of Network and Security Computer are required to join the event. The industrial talk is about Industrial 4.0 which teii about the development of industrial in the world especially Industrial 4.0 which is given by Redzuan Shah bin Yussoff, Director of Southern Strategic Economic Region in Telekom Malaysia.

1.0	• 1st revolution • Mechanization and steam-power
2.0	• 2nd revolution • Mass production and electricity
3.0	• 3rd revolution • Electronic and IT
	• 4th revolution

Autonomous Robots	robot that performs behaviors or tasks with a high degree of autonomy
Simulations	approximate imitation of the operation of a process or system
System Integration	process of bringing together the component sub-systems into one system
Big Data	field that treats ways to analyze, systematically extract information
Industrial IoT	"things" that are embedded with sensors,software and technologies
Cybersecurity	protection of computer systems and networks from the theft of or damage
Cloud	Computer data storage in which the digital data is stored in logical pools
Additive manufacturing	3D printing , 3 dimensional object
Augmentend Reality	computer generated

Autonomous Robots — Simulation — System Integration — Big Data — Industria IoT — Cybersecurity — Cloud — Additive manufacturing — Augmentend reality
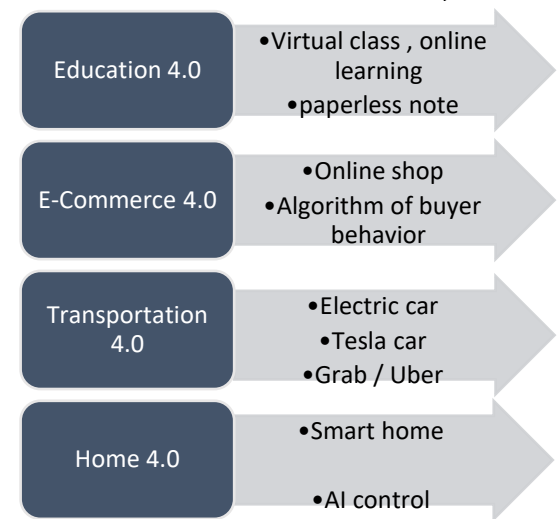
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REFLECTIONS

LENG SHUEN- Speaker had given me a clear concept about how the creativity of humans had successfully improved our quality of life and , this talk could be a great introduction for me towards industrial 4.0.

SYAWAL- I think this industry talk give me more knowledge about my current course and also give me brief introduction about my future job in IT world

FAKHRUL- The speaker was opened my eyes that IT is the future and it is important to learned and participate in IT field that will mostly use in industry.

FADTHUN- the talk had opened my eyes toward the inovation of industrial in world and it help me to see clearly the job that I will apply in future

CHANGING THE FUTURE 4.0

Education 4.0	• Virtual class , online learning • paperless note
E-Commerce 4.0	• Online shop • Algorithm of buyer behavior
Transportation 4.0	• Electric car • Tesla car • Grab / Uber
Home 4.0	• Smart home • AI control

TESLA MOTORS

smarthouse
creative technologies

Online Shop

TM *SMART CITY*

+ Adopting data analytic

+ Build smart home area in Johor Land

+ 5G connection in Langkawi

+ Smart tourism as the new future economic