

4THIR

(the fourth industrial revolution)

INTRODUCTION

the **DIGITAL TRANSFORMATION** of
MANUFACTURING/ PRODUCTION
and **ALLIED INDUSTRIES** as well as
VALUES CREATION PROCESSES
is known as **INDUSTRY 4.0**

EXAMPLE OF AUTONOMOUS ROBOT



AUTOMATED CAR FACTORY

AI KIOSK
SMART
SERVICE
ROBOT



PANASONIC
AUTONOMOUS
DELIVERY
ROBOT



WAN NORAZIRA BT WAN AZHAR AMRAN
A21EC0143

LEE JUNG KANG
A21EC0194

KHAIRUN NAJIHAH BINTI ABDHUL MUTHALIB
A21EC0037

OMAR ABDULBASSET
A21EC0271

1st Industrial Revolution introduce of mechanization steams engines water



2nd Industrial Revolution discover the technologies electrification line such turbin



3rd Industrial Revolutin become the key driver of industries such as computer, digital machines and any other else



4th Industrial Revolutions is the integration of artificial intelligence into industries



TECHNOLOGY IR 4.0 :

AUTONOMOUS ROBOT

Autonomous robots are **intelligent machines** capable of doing activities in the real world without the intervention of a human. The relationship between humans and robots is **changing** as emerging technologies become more prominent.

Autonomous robots have the ability to **replace humans**, such as a cognitive virtual assistant

companies will be able to **improve efficiency and customer experience** while gaining a competitive edge

REFLECTION

From all these talk and slide given, we know autonomous robot is one of the useful technologies which **HELP MANY HUMANS LIFE** in our generations. We also know autonomous robots such as autonomous hand, automated car factory, and many else were really useful in many particular aspect. The first one is autonomous robots give **SAFETY** for human life as **robots can save us from doing any dangerous task**. The second one is robots can **SAVE OUR TIME** because **they are able to produce** many products which help us to boost our sale rapidly.

REFERENCE :

1. Industry 4.0 and the Fourth Industrial Revolution explained. i. (2021, October 30). Retrieved November 4, 2021, from <https://www.i-scoop.eu/industry-4-0/>
2. Benefits of Robots. RobotWorx. (n.d.). Retrieved November 4, 2021, from <https://www.robots.com/articles/benefits-of-robots>.
3. What are autonomous robots? RobotWorx. (n.d.). Retrieved November 4, 2021, from <https://www.robots.com/articles/what-are-autonomous-robots>.
4. Robot Assembly Line in car factory in 2021: Industrial Robots, industrial, automation. Pinterest. (2021, January 1). Retrieved November 5, 2021, from <https://pin.it/40ExsBl>.