TECHNOLOGY & INFORMATION SYSTEM

INDUSTRIAL TALK 1 BY TM 💬

TM is the company of national connectivity and digital infrastructure provider. They started their journey to support the evolution of 4IR where they build data centres, cloud services and Internet of Things. The 4IR has a lot of effect. Digital in Malaysia include digital government , digital economy and digital society.

THE REVOLUTION OF INDUSTRY ⚙️

1ST REVOLUTION OF INDUSTRY
- mechanization, waterpower, steam power

2ND REVOLUTION OF INDUSTRY
- mass production, assembly line, electricity

3RD REVOLUTION OF INDUSTRY
- computer, electronic and production

4TH REVOLUTION OF INDUSTRY
- production, management, and governance

ADOPTION OF AREAS WITHIN 4IR

SMART CITIES 🏢

What is Smart Cities?
-It uses technology to intuitively adapt and respond to the need of citizen

-What problems are they solving?
- Infrastructure
- Privacy concerns
- Educating community

CLOUD DIGITAL ☁️

-This transformation has provided positive changes which are, the existence of an innovative business model, the customers experience get enhanced and the operations carried out become more efficient. There are many digitalization services that can be seen at the moment. Some of them are IT infrastructure, gaming, education, music and payment service.To make sure the digital transformation become successful, a strong digital infrastructure foundation are required

5G NETWORK 📶

What is 5G?
-5G is the generation of the mobile network after 1G, 2G, 3G, and 4G networks where 5G includes people, things and city where it is proved to be 100 times faster than 4G

SWIMS

What is SWIMS?
-Smart Water Integrated Management Systems (SWIMS) is a system that provides total visibility of water industry, reduces water wastage and increase water revenue. Innovation made including connectivity, smart meter, sensors, platform, mobility & apps

Approach in adopting Smart Services for Smart Cities
-Single
- continue and extend services
- upgrade service and refresh maintenance contract
-Cluster
- services implemented according to vertical
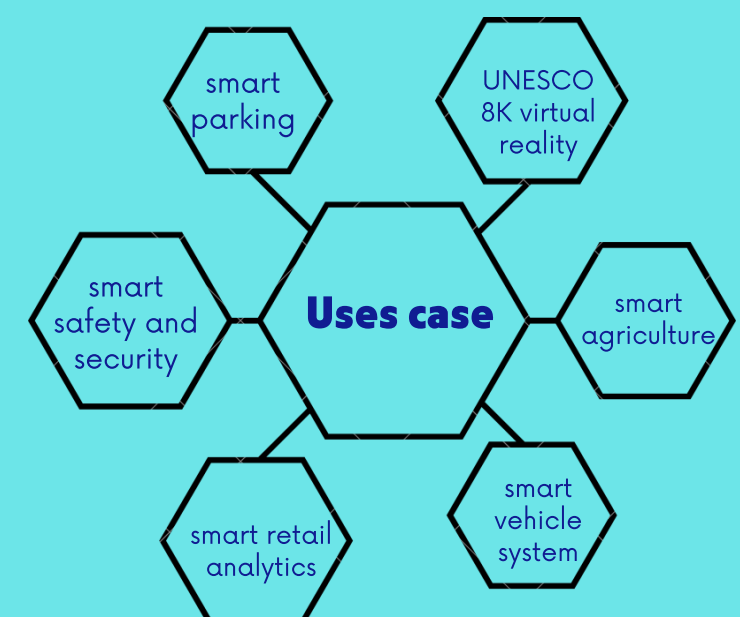- collaboration of multiple party
-City wide
- blueprint for smart city development
- combine budget

REFLECTION

-Throughout this industrial talk that provides a lot of useful information, we know that we live in the 4th industrial revolution that will give impact on our daily lives. From the 1st industrial revolution to the latest which is the fourth one, we can see a lot of things change positively such as high productivity and improved quality of life. This transformation also makes us realize how important for us to have skills (critical thinking, effectively problem-solving and creativity) that will help us to survive and succeed in the 4IR. This means a lot of effort has been made to reach this point. We should be grateful for the transformation that has been made and works hard to live an even better life.

5G USES CASE

- smart parking
- UNESCO 8K virtual reality
- smart safety and security
- **Uses case**
- smart agriculture
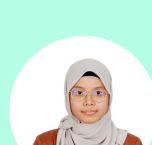- smart retail analytics
- smart vehicle system

GROUP MEMBERS 👥

LEE RONG XIAN
(A21EC0043)

MUHAMAD AKMAL BIN SHAMSUL HAMIDI
(A21EC0057)

NOOR HANNANI SYAMIMI BINTI MOHD SUFFIAN
(A21EC0104)

SITI NURKAMILAH BINTI SAIFUL BAHARI
(A21EC0131)

AIN BATRISYIA BINTI NORAZLAN
(A21EC0009)

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