

IR 4.0 INDUSTRIAL REVOLUTION

9 COMPONENTS

Big data and analytics

Augmented reality

Addictive reality

Cloud services

Cyber security

Industrial internet of things

System integration

Simulation

Autonomous robots

SMART
HOME

EXAMPLES
OF 4.0

COMMERC
E 4.0

TESLA-
3

1st revolution : steam ,charcoal and water .Trains were run by charcoal and horse .
2nd revolution: electricity ,invented by Thomas Alva Edison .
3rd revolution :Digital era such as IT and electronics .
4th revolution : birth of artificial intelligence ,smart home , autonomous robots.

1. Education 4.0

Education 4.0 is adopting the pace of virtual reality. Virtual reality is like we will feel everything naturally or virtual things will seem like true in our eyes. We are now in 3.0.



E-commerce 4.0

Shopee, Lazada, grabfood, foodpanda can be examples of e-commerce 4.0 commerce will be like the applications will adopt our pattern of marketing and they will show according to this.



Tesla-3

Tesla-3 is a car that is known as the fastest electric car. It was a cloud system and it can drive with artificial intelligence. This car is so fast that it can accelerate its speed 0~100 just in 3 seconds. This can easily beat Ferrari and Audi. Its price is more than 500,000 Malaysian ringgit (RM)



Smart home

The smart home is a kind of home that is always kind of connected to the internet. We can see our home condition from anywhere. It has artificial intelligence so that it doesn't need any kind of lock. It will be automatically unlocked when the owner comes. It has cloud storage too so that the owner can access his home anytime from anywhere. Our collaboration developers are -JOHOR LAND BERHAD, UEM RUNRISE, AND SIME DARBY.



These are the areas of future jobs which youth must be looking for .In Malaysia ,IOT has largest number of companies

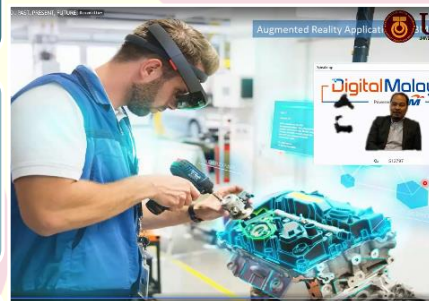
- cyber security,simulation based groups has also great number of companies which might be helpful for youth generation .
- Artificial intelligence ,cloud computing fields has also great opportunity for new generation students .

4.0 represents the future jobs like ethical hacker,infographic designer,3D printing technicians,web history archivist etc .

- present jobs are like blogger ,cloud specialists ,mobile app designer ,social media manager etc
- past jobs are so many like typist ,vcr repairer ,lamplighter ,ice cutter etc

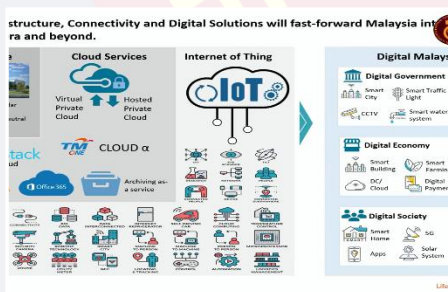
the future job will depend on 4.0 fields like INVISIBLE ANALYTICS ,AI,DRONES ,VR(VIRTUAL REALITY),3D PRINTING ETC

- SMART HOME AND MOBILE PAYMENT OPTION WILL OPEN SOME DOORS OF JOB TOO.
- CONNECTED CAR AND VIDEO CONSUMPTION WILL DEFINE OUR FUTURE



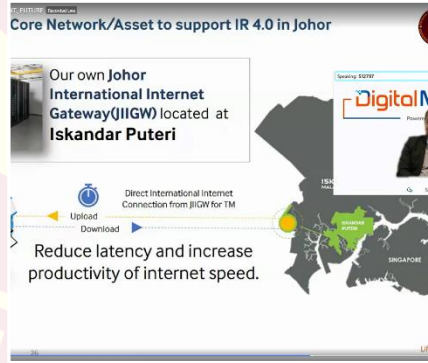
AUGMENTED REALITY APPLICATION OF BMW

FOR TRAINING PURPOSE BMW USES A LOT OF AR WHICH HELPS THE ENGINEERS TO FEEL REAL AND TO UNDERSTAND THINGS NICELY .



this is malaysia's digital infrastructure of telecommunication services which represents the IR 4.0

- 1.IOT
- 2.DATA CENTRE AT ISKANDAR PUTERI WHICH IS 30KM AWAY FROM UTM .IT HAS A LOT OF FACILITIES LIKE CLOUD COMPUTING.



JIIG (HELPS TO INCREASE PRODUCTIVITY OF INTERNET SPEED)

JOHOR HAS OWN INTERNATIONAL INTERNET GATEWAY (JIIG) WHICH IS LOCATED AT ISKANDAR PUTERI.



KKMM

- 1.WAR ROOM FOR SOCIAL MEDIA MONITORING.
- 2.SOCIAL MEDIA POSTING PATTERNS.
- 3.GOV'T. CAN USE THIS .



5G IS A ECOSYSTEM OF SERVICES FOR SAFER,SUSTAINABLE,RELIABLE AND HIGH-SPEED INTERNET

- IT CAN ENRICH THE COMMUNITY
- IR 4.0 TRULY CAN CHANGE OUR LIFE WITH 5G
- 5G can be significantly faster than 4G, delivering up to 20 Gigabits-per-second (Gbps) peak data rates and 100+ Megabits-per-second (Mbps) average data rates.
- 5G IS USEFUL FOR SMART CITY PLANNING, SMART TOURISM AND SMART AGRICULTURE.
- TWO QUARANTINE CENTRES POWERED BY TM 5G DATA USAGE DURING MCO.



LANGKAWI USES THE SMART TOURISM WITH THE HELP OF 5G.

- SMART WATER SYSTEM.
- SMART AGRICULTURE
- SMART VEHICLE SYSTEM
- SMART HELMET
- SMART SAFETY AND SECURITY
- SMART TRAFFIC LIGHT
- SMART PARKING
- SMART TOURISM APP
- ETC.



- DIGITAL NATION WILL HELP TO CONNECT MALAYSIANS EVERYWHERE INCLUSIVELY WITH ENRICHED DIGITAL LIFESTYLE.
- SUPPORTING GOVERNMENT INITIATIVES FOR BETTERMENT OF THE COUNTRY.
- RESPONSIBLY HELPING MALAYSIAN IN TIMES OF NEED
- EMPOWERING AND CREATING VALUES FOR BUSINESS THROUGH BORDERLESS DIGITAL POSSIBILITIES
- PROTECTING NATION'S SOVEREIGNTY AND CRITICAL INFRASTRUCTURE FROM INTRUSION AND DISASTER.