

Current trends of **Augmented Reality** in industry

Ruzimi Mohamed



Who am I

**RUZIMI BIN MOHAMED
@ MAHMOOD**

Physical Challenge since born
From Kota Bharu, Kelantan
29 years old
Married



MacBook Air

Education



Doctor of Philosophy, Computer Science

Universiti Teknologi Malaysia, 2019

Thesis: E-Pembelajaran Bahasa Isyarat Malaysia Mesra
Golongan Orang Kurang Upaya Pekak Berasaskan Model
Penerimaan Teknologi

Master of Science (IT Entrepreneurship)

Universiti Teknologi Malaysia, 2011

Thesis: Electric Wheelchair with Multi Modal Human
Interaction | CGPA: 3.94

Award - Best Student Award in Master of Science (IT
Entrepreneurship)

Bachelor of Computer Science (Management of Information System)

Universiti Teknologi Malaysia, 2009

Thesis: Human Computer Interaction for Visually Challenged
| CGPA: 3.30

Award - Future Innovation Award 2009

Business

Finalis Indienomics Challenge 2.0

Kerajaan Negeri Johor, 2017

RM 10,000.00

Skim Usahawan Permulaan Bumiputera (SUPERB)

TERAJU, 2017

RM 500,000.00

Road2Growth Business Idea Challenge

MTDC, 2019

RM 5,000.00

Digital Creator Content Challenge (D3C)

MDEC, 2020

RM 50,000.00

MyHackhaton 2020

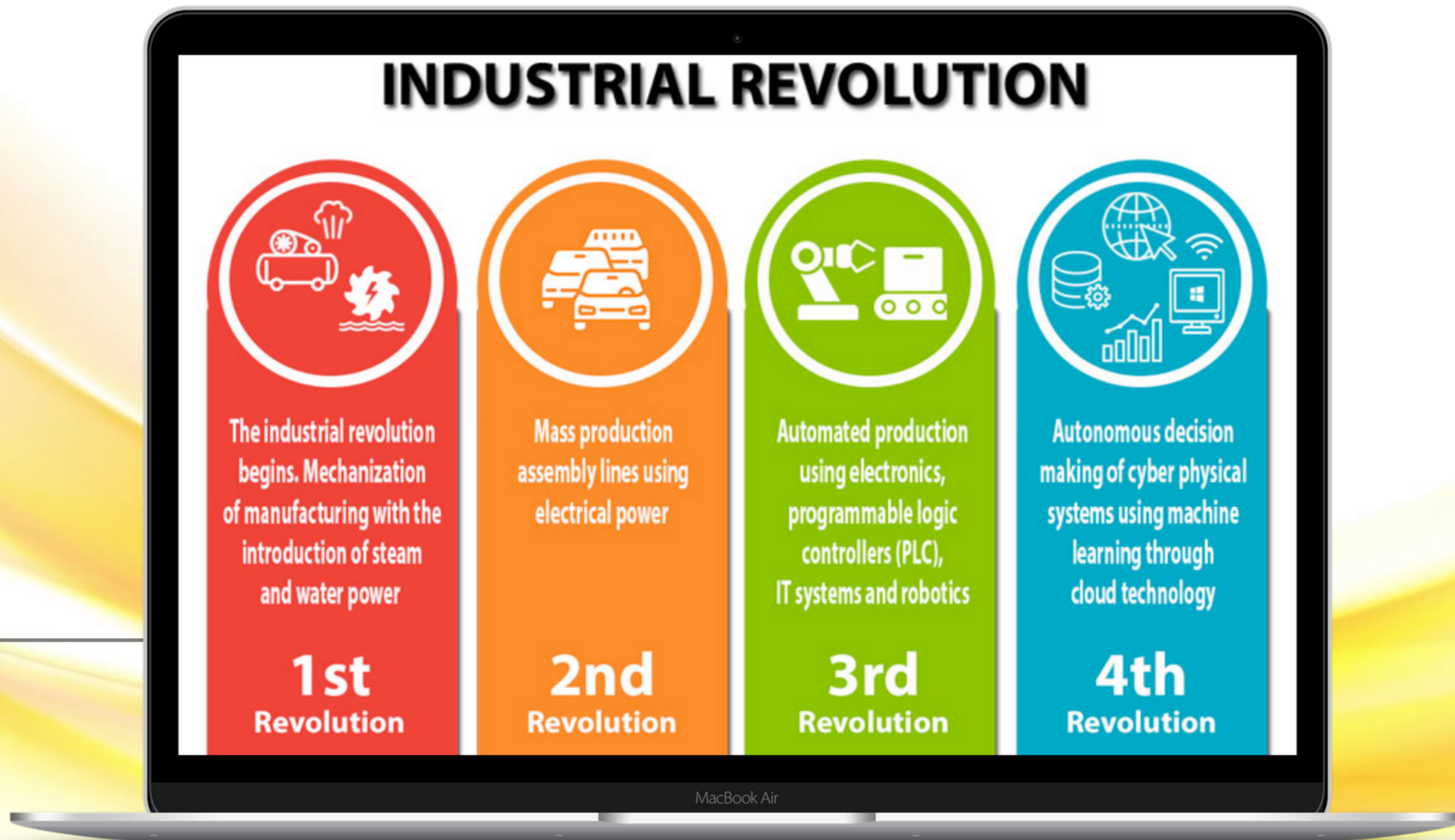
MOSTI, 2020

RM 250,000.00

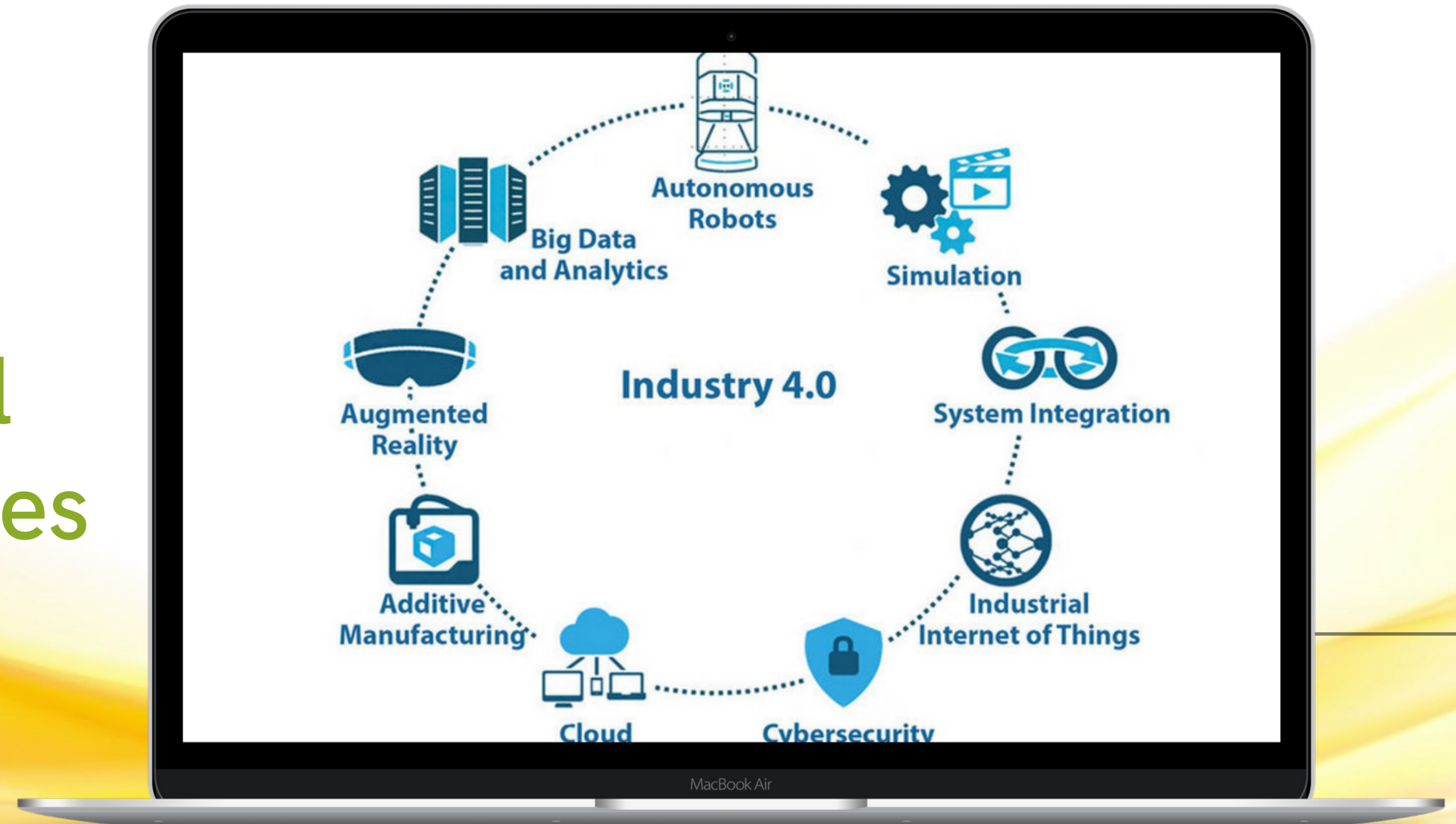


Industry 4.0 is the digital transformation of manufacturing/production and related industries and value creation processes.

What is Industrial Revolution 4.0?



9 Digital Industrial Technologies



World Economics Forum 2015

Prediction by 2025

- 10% of people will be wearing cloths connected to the internet
- There will be one Trillion sensors connected to the internet
- 10% of reading glasses will be internet connected
- 80% of the world's population will have Internet presence
- The first automobile entirely produced with a 3D printer
- 5% of consumer products will be produced in a 3D printer
- 90% of world's population will own a smart phone
- 90% of world's population will have internet access
- 10% of all vehicles on the roads will be driverless
- The first organ transplant from an organ made on a 3D printer
- 30% of all audits performed on large corporations will be through Artificial Intelligence
- More than 50% of home appliances will be connected to internet
- More rides will be made on shared cars than on private cars

Future of Augmented Reality

Expected revenue by
industry by 2025

<https://lumusvisions.com/augmented-reality-trends-infographic/>

VIDEO GAMES

\$ 11.6 BILLION

HEALTHCARE

\$ 5.1 BILLION

ENGINEERING

\$ 4.7 BILLION

LIVE EVENTS

\$ 4.1 BILLION

VIDEO ENTERTAINMENT

\$ 3.2 BILLION

REAL ESTATE

\$ 2.6 BILLION

RETAIL

\$ 1.6 BILLION

MILITARY

\$ 1.4 BILLION

EDUCATION

\$ 7 MILLION

Snapchat and Instagram will
be the biggest user

9/10 brands plan to use AR
in their campaigns

3.5 billion

USER

Mobile augmented reality users projected
by 2022

\$15 billion

REVENUE

Projected revenue generated by AR ads by
2022

The Future of AR in 10 Use Cases



Types of AR



Marker based

Types of AR



Projection based

Types of AR



10 Skill for Future Jobs - IR 4.0

- Complex problem solving
- Critical thinking
- Creativity
- People management
- Coordinating with others
- Emotional intelligence
- Judgement and decision making
- Service orientation
- Negotiation
- Cognitive flexibility

6 Common positions in AR work

Most of the augmented reality jobs available today are best described as existing job titles with an AR descriptor. Common positions include:

- AR/VR content developer
- AR/VR content strategist
- AR/VR user experience designer
- Designer, animator or sound artist specializing in AR & VR
- AR/VR community manager
- AR/VR project manager

3 key areas where humans beat machines that are key to future job creation

- Creative endeavours – everything from scientific discovery to creative writing and entrepreneurship
- Social interaction – robots just don't have the kind of emotional intelligence that humans do
- Physical dexterity and mobility – millennia of hiking mountains, swimming lakes and dancing practice gives humans extraordinary agility and physical dexterity

- Study data science and/or get a job in data
- Choose a job that robots still can't do well – focus on jobs that require skills like creativity, problem solving and connecting with people on a human level
- Keep in touch with the job market to get an insight of which jobs are in demand and its average salary
- Be data savvy – learn how to use data to make decisions and solve problems
- Get familiar with artificial intelligence

5 things to consider when
choosing your career

Get in Touch



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OZEL SDN BHD

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Download our free education apps



Link video

The future of AR 10 Use Cases

<https://www.youtube.com/watch?v=Wxzcd04rwc8>

Type of AR-Iskandar

https://drive.google.com/file/d/1ds5KYnl6g_91PPNIsKH0IY-FsZwTle6k/view?usp=sharing

Type of AR-Projection base AR

<https://www.youtube.com/watch?v=qMGVCMucrsc&t=63s>

Type of AR-Superimposition based AR

https://www.youtube.com/watch?v=8_yXEluXLbU