

### **Presentation Outline**



- Introduction
- Industry 4.0
- Disruptive Era technology, innovation etc.
- University-Industry Collaboration Framework
- The Malaysian Experience
- Conclusion



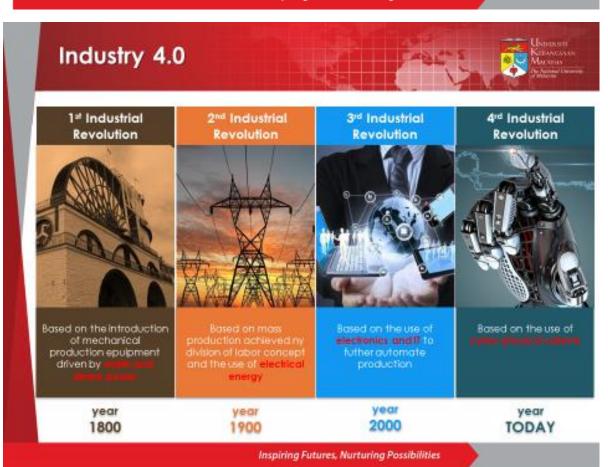
#### Introduction



The importance of University-Industry connectivity has been well recognised globally...

- possible benefits to the university...
- stay relevant
- avoid mismatch and waste of resources ensure appropriate talent are provide to the economic system
- developing knowledge frontier through R&D
- access to financial resources to fund research activities
- possible benefits to the industry...
- access to highly skilled problem solvers
- find practical solutions to business oriented or product-related problems
- creating long-term links with the university sector
- the identification and recruitment of employees
- branding, quality and develop product standards

It is even critical in the era of rapidly changing economy powered by Industry 4.0!



## Disruptive Era



New ways of doing things that disrupt or changes the traditional business model and economic activities/behaviour...



## **Disruptive Technology**



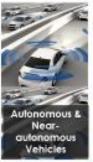
























Source: McKinsey Globel Institute enelysis, 2013

## **Example of Digital Disruptions**





World's largest taxi company

Owns NO

Taxis



World's largest Accommodation provide

Owns NO

Real estate



World's largest Phone companies

Owns NO

Telco infra



World's most Valuable retailer

Owns NO

Inventory

#### facebook.

Most popular Media owner

Owns NO

Content

#### SocietyOne

World's fastest Growing bank

Owns NO

Actual money

## NETFLIX

World's largest movie house

Owns NO

Cinemas

## Apple Google

World's largest Software vendors

Owns NO

Apps

Seven (7) of these companies did not exist twenty years ago

Source: All Selamat et al., 2017 MOHE, Malaysia

Inspiring Futures, Nurturing Possibilities

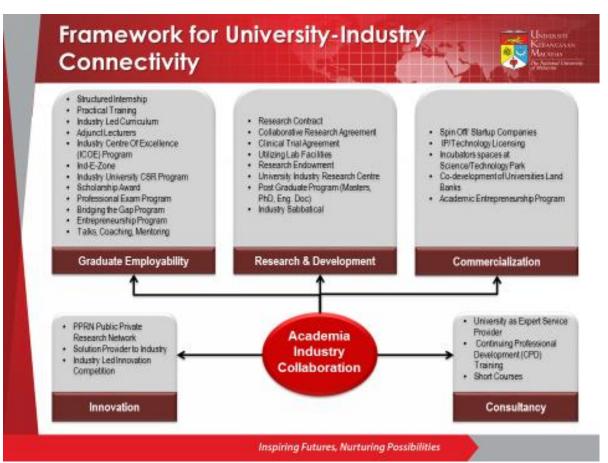
## **Techologies Impact**

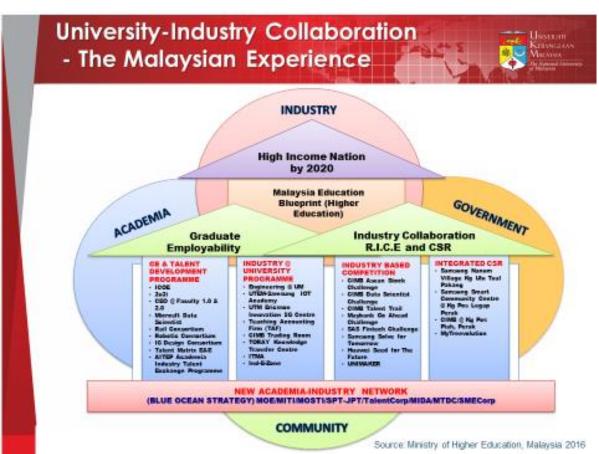


# Technologies that will have the greatest impact in driving business transformation

Technologies	Global	U.S.	China	Japan	ASPAC	
Cloud - SaaS/PaaS/laaS	11%	13%	9%	13%	10%	10%
Internet of things/ M2M	9%	8%	14%	0%	9%	10%
Data & analytics	9%	13%	8%	3%	10%	6%
Mobile - platforms and apps	7%	5%	5%	7%	7%	10%
Robotics	6%	4%	8%	3%	7%	8%
Cyber security	6%	10%	5%	7%	4%	5%
Biotech/digital health/healthcare IT	5%	8%	3%	3%	4%	4%
3D printing	5%	4%	5%	7%	6%	5%
Artificial intelligence/cognitive computing	5%	8%	9%	23%	6%	3%
Digital currency platforms (e.g., Bitcoin, payment systems, etc.)	4%	5%	5%	3%	6%	4%
Biometrics: gesture, facial, voice	4%	4%	12%	3%	6%	3%

Source KPMG Technology Innovation Survey 2015





## Conclusion



- In rapidly changing economy and disruptions, connectivity between university and industry need to be further strengthened
- Area for collaborations must focus to recent development within the technology frontier of Industry 4.0

