

Industry Talk 2



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

CyberSecurity
MALAYSIA

IR4.0: A MALAYSIA PERSPECTIVE

SUMMARY

Fourth Industrial Revolution from Malaysia's point of view explained through the factors affecting the future of manufacturing, issues and challenges faced by Malaysia and how they are addressed, the framework and how Malaysia is going to move forward.

INTRODUCTION

The Fourth Industrial Revolution (4IR) is expected to alter how we live, work, and communicate in the future, as well as the things we value and how we value them. Automation and artificial intelligence are change agents in 4IR. (StudyMalaysia, 2020)

FACTORS AFFECTING THE FUTURE OF MANUFACTURING:

1. Global value chains and production geographies are shifting.
2. Higher productivity and labour quality, but not lower labour costs.
3. New technologies are disrupting and promoting a production model based on technology.

MALAYSIA'S ISSUES & CHALLENGES

ADDRESSING THE ISSUES

A

Attract stakeholders to Industry 4.0 technologies & processes, and further increase Malaysia's attractiveness as a preferred manufacturing location.

C

Create the right ecosystem for Industry 4.0 to be adopted and align existing and future development initiatives.

T

Transform Malaysia's industry capabilities in both a holistic and an accelerated manner.

VISION

- Strategic partner for smart manufacturing & related services in the Asia Pacific.
- The primary location for the high-tech industry.
- Provider of complete advanced technology solutions.

NATIONAL GOALS

- Increase in Labour Productivity
- Manufacturing's Economic Contribution
- Capacity for Innovation
- High-skilled Positions

SHIFT FACTORS

- People
- Process
- Technology

ENABLERS

• Funding	• Skills & Talents
• Infrastructure	• Technology
• Regulations	

REFLECTION

From this industry talk, we got to know the Fourth Industrial Revolution (4IR) from Malaysia's point of view. In our opinion, Malaysia is doing well as they are staying ahead of the 4IR curve. However, the evolution remains in the people's hands. The people will be the ones determining whether the country will keep on rising in the 4IR or remain on the same level. This somehow explains the issues that Malaysia faces. We all agree that the method that Malaysia uses, that is, the A-C-T is very systematic and well-thought. Even the framework shows that the whole thing has been planned thoroughly, which make us think that the vision stated by Malaysia will not be hard to achieve.

MALAYSIA MOVING FORWARD

1. Skill development and reskilling
2. Involvement of small and medium enterprises
3. Significant advancement in innovation
4. Targeted funding assistance
5. Reliable digital infrastructure



REFERENCE

StudyMalaysia. June 16, 2020. The Fourth Industrial Revolution (IR 4.0) and what it means for students like you. Retrieved November 7, 2021, from <https://www.studymalaysia.com/education/top-stories/the-fourth-industrial-revolution-ir-4.0-and-what-it-means-for-students-like-you>