

INDUSTRIAL TALK

TECHNOLOGY INFORMATION SYSTEM AND FOURTH INDUSTRIAL REVOLUTION

EXECUTIVE SUMMARY:
EFFORTS DONE BY MALAYSIA AND THE DIRECTION MALAYSIA HAS DRAFTED FOR IR4.0

WHAT IS IR4.0?

Infusion of automation to the manufacturing sector in performing

HOW TO GO TOWARDS IR.4.0?

Efficient resource utilisation and advanced technologies

PURPOSE OF IR4.0?

To enhance efficiency



IR4.0 TRANSFORMATION DRIVERS

- Shift of global economic order
- Rate of technology advancement
- Knowledge and skills for the future
- Global supply chain
- Competitiveness of nations and firms
- Increased regulation
- Change in customer behaviour

ENABLING TECHNOLOGIES

- Artificial Intelligence. (Facial recognition)
- Big Data Analytics. (To predict trends)
- Cybersecurity
- Internet of Things (IoT)
- Cloud computing
- Autonomous Robots
- System Integration
- Simulation



Malaysian Issue & Challenges

Demand –

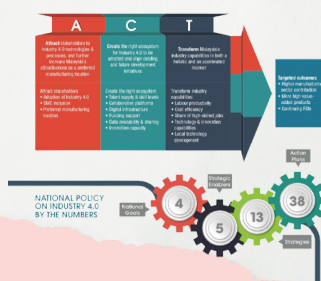
Awareness, Innovation, Digital Readiness, & Connectivity, Skill Enhancement, High Cost of Investment, Best Practices

Supply –

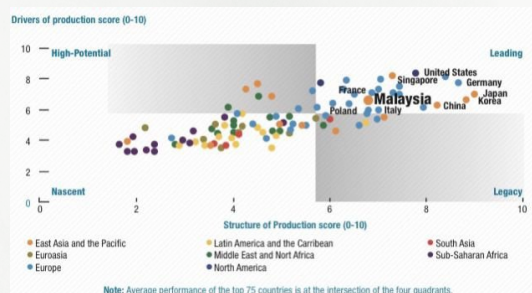
Governance, Funding, & Incentive, Ecosystem Support, Training Providers, Standards & Digital Integration, Infrastructure.

Addressing the Issues

Policy of A-C-T which is Attract Create Transform



Malaysia Readiness for IR4.0

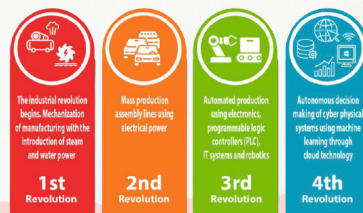


Framework

- Vision – Strategic partner for smart manufacturing & related services in Asia Pacific
- National Goals – Labour productivity growth, Innovation capacity
- Shift Factors – People, Process & Technology
- Enablers – Funding, Infrastructure, Regulations, Skills & Talent, Technology

Factors That Will Impact The Future of Manufacturing in Malaysia

- Shift in global value chains
- Quality of labour
- Fostering a technology (based model of production to improve efficiency)



WAY FOWARDS

- Upskilling and reskilling
- Inclusive involvement of SMEs
- Significant evolution in innovation
- Focused funding support
- Good digital infrastructure

REFLECTION

The motivations and insights gain on how the innovation helps human life:

- Relocation production of other countries to ASEAN creates new opportunities for Malaysia but we have to transform our internet adoption fast.
- High-skilled labour need to be improved by providing more trainings and upskillings because our high-skilled labour have not moved forward

GROUPMATE :-



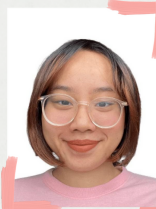
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References

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