

## Fourth Industrial Revolution (4IR) National Policy' (Malay Version)

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### Introduction

The National 4IR Policy that will be launched will be a guide for Malaysia to move forward, together with the latest 4IR developments. This policy needs to be implemented to utilize science and knowledge as the main driver for development, progress and prosperity of the country on today as well future. Malaysia should use the window this transformation to dignify the people, businesses and the government. As clearly stated in the National 4IR Policy, efforts to cultivate human resources, build capacity and upgrading skills is the most important essence in community development. Although a country is able to create and adopt various technology, the ability to utilize knowledge this depends entirely on the quality of human capital as a critical factor in development. Indeed, people and culture play a key role in ensuring the successful implementation of the 4IR Policy. Hence the effort to promote culture innovation and creativity in society is very necessary to face the uncertainty of this age.

We also need to strive to shape a sustainable future for all Malaysians by prioritizing and empowering the community. The National 4IR Policy is expected to be container to combine the best features that Malaysia has in terms of technological creativity, empathy and our responsibility. It is also expected be one of the stepping stones to enable Malaysia achieves the Vision of Shared Prosperity as a fair, equitable and inclusive country by 2030. The Fourth Industrial Revolution (4IR) is consolidation technology across the physical, digital and biological realms. It is growing rapidly as a result of openness and world interconnectedness. New fields of knowledge are emerging produce newer and better technology continuously. In Malaysia's efforts to continue to advance in digitization and sustainable growth, more efforts are necessary.

Implemented to ensure we stay relevant with the current developments to remain competitive in time front. We are witnessing a significant shift in all aspects of life due to the COVID-19 pandemic brings many challenges. This pandemic has led to the realignment of Malaysia's economy to new business models and changes to production methods and consumer preferences.

Therefore, the Government has drafted the National 4IR Policy to ensure Malaysia can optimize the benefits from 4IR. This policy contains directions that covering all aspects to prepare the country for mastering 4IR. 4IR involves transformation in the entire ecosystem, across companies, industries, communities and countries. It gives emphasis and shapes the way things are technology and society can co-exist and contribute to each other.

4IR National Policy serves to help leverage innovation and ethical use of 4IR technology for strategic socioeconomics change. This technological revolution gives benefits for us to do the transformation for ensuring that industry and society work together with better, smarter and smoother. In addition, if handled well, this transformation can protect the environment and lead society towards a better future. The National 4IR Policy will complement the Malaysia's Digital Economy Blueprint that has been launched on February 19, 2021. Both policy and framework of this action will act as a guide to the people to take advantage of the potential of 4IR. The governance structure led by the Digital Economy Council and 4IR Negara as well was created to drive and ensure effective implementation of initiatives, which include various ministries and agencies. The government is aware of the benefits that can be enjoyed in utilizing the 4IR towards achieving Malaysia's long-term goals as outlined in the national policy.

The emergence of 4IR is estimated to increase productivity by 30% across all sectors by the year 2030. This contribution will ensure that Malaysia can provide better service on time forward, in addition to increasing the number of skilled workers and produce products that have added height value. Preservation of ecological integrity through 4IR technology condumption is also expected to improve Malaysia position in the Environmental Performance Index from 68th position among 180 countries to top 50 in 2030. With the benefits that 4IR will bring to Malaysia, it is hope that 4IR Policy can be used as a guide for carving path by accepting use and making use of potential 4IR towards achieving balanced, responsible and sustainable growth. The conclusion is that 4IR is a rapid digitalization advance across the physical, digital and biological domains. It has the ability to change lifestyle, way of working and communicating. Apart from opening up opportunities for developing countries sustainably, 4IR also creates risks that need to be addressed. The National 4IR Policy sets the direction to take advantage of the potential of 4IR technology and addressing inherent risks. It allows the country to realize the vision to achieve balanced, responsible and sustainable growth.

The National 4IR Policy contains three objectives, four core policies and 16 strategies to prepare the country to master 4IR as well as facing current and future disruptions from emerging

technologies. National and sector level initiatives aim to improve local capabilities in taking advantage of the resulting growth opportunities of 4IR, enhancing the preservation of ecological integrity and improve the quality of life of the people. Implementation of effective strategies and initiatives through whole country approach under the supervision of the Digital Economy Council and 4IR Nation will create an ecosystem which is conducive for the country to master 4IR. The government has set the direction through the National 4IR Policy and will continue to play a role as an enabler. The successful implementation of this policy depends on all stakeholders' readiness namely business, society and government to change and establish close cooperation to implement core policies, strategies and initiatives that are systematic and effective. Precise commitment and support from all parties will ensure vision, mission and objectives of the National 4IR Policy can be realized.

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