

# Research Statement

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My current research interests can be classified into the following areas:

## **(i) Digital Transformation and Smart Nation**

Information systems and technologies are transforming our work, lives, and society. As we progress to a Smart Singapore and a digital society, we must embrace the digital economy, healthcare, education, transportation, government services, and businesses. This research stream looks at the opportunities enabled by new technologies and the challenges presented by these latest developments. How do we prepare for the introduction of new technologies? How do we implement these technologies in our businesses, organizations, and societies? How do we address the challenges presented by these new technologies?

## **(ii) Artificial Intelligence (AI)**

The rapid advancement of AI is creating many business opportunities, but it is also generating many new issues. The exponential advancement of AI, such as ChatGPT, Sora, and Figure 01, has shocked the world. Artificial Narrow Intelligence (ANI), Generative AI (GenAI), and Artificial General Intelligence (AGI) are presenting unprecedented problems for us to plan for the future of work, the future of society, and the future of humanity. This research stream investigates how AI affects individuals, groups, organizations, societies, and humanity. How do we prepare for the AI age? How do we develop AI systems that are tailored to Singapore and Asia? How can we take advantage of GenAI? How should organizations and businesses get ready for the potential arrival of AGI? How do we govern the development and adoption of AI in organizations and societies?

### **(iii) Metaverse and Meta-Entrepreneurship**

Metaverse is the next generation of the Internet. It is a virtual environment where an organization can start new business operations, and innovative individuals can create new businesses. This stream of research looks at meta-entrepreneurship. What are the possible new business opportunities in Metaverse? What are the obstacles for organizations when planning to start new business operations in Metaverse? How do we remove these obstacles? How do we address the legal concerns and apprehensions? How can one be an entrepreneur in this digital environment? How do we encourage innovative individuals to start new businesses in Metaverse? How do we integrate Metaverse's virtual nature with AI's power to empower businesses?