NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE

CC0007 Science and Technology for Humanity

Introduction to the Module and to the Lecture on Blockchain Technology

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Immanuel Kant said,
“Lying is always morally wrong.”
“An action, to have moral worth, must be done from duty.”

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The Invention of Lying

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Then, how to know who or what to trust?

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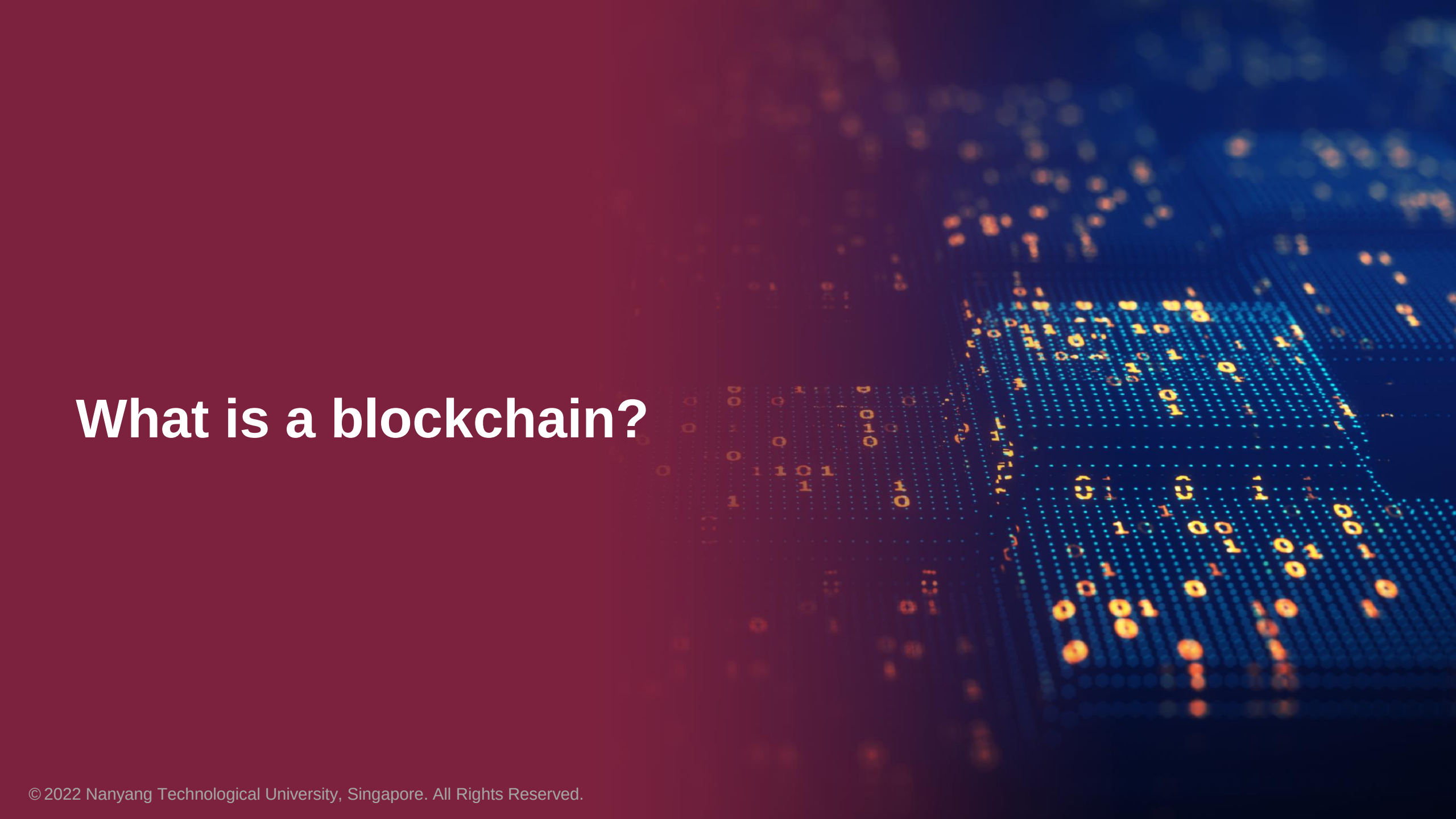
What is a blockchain?



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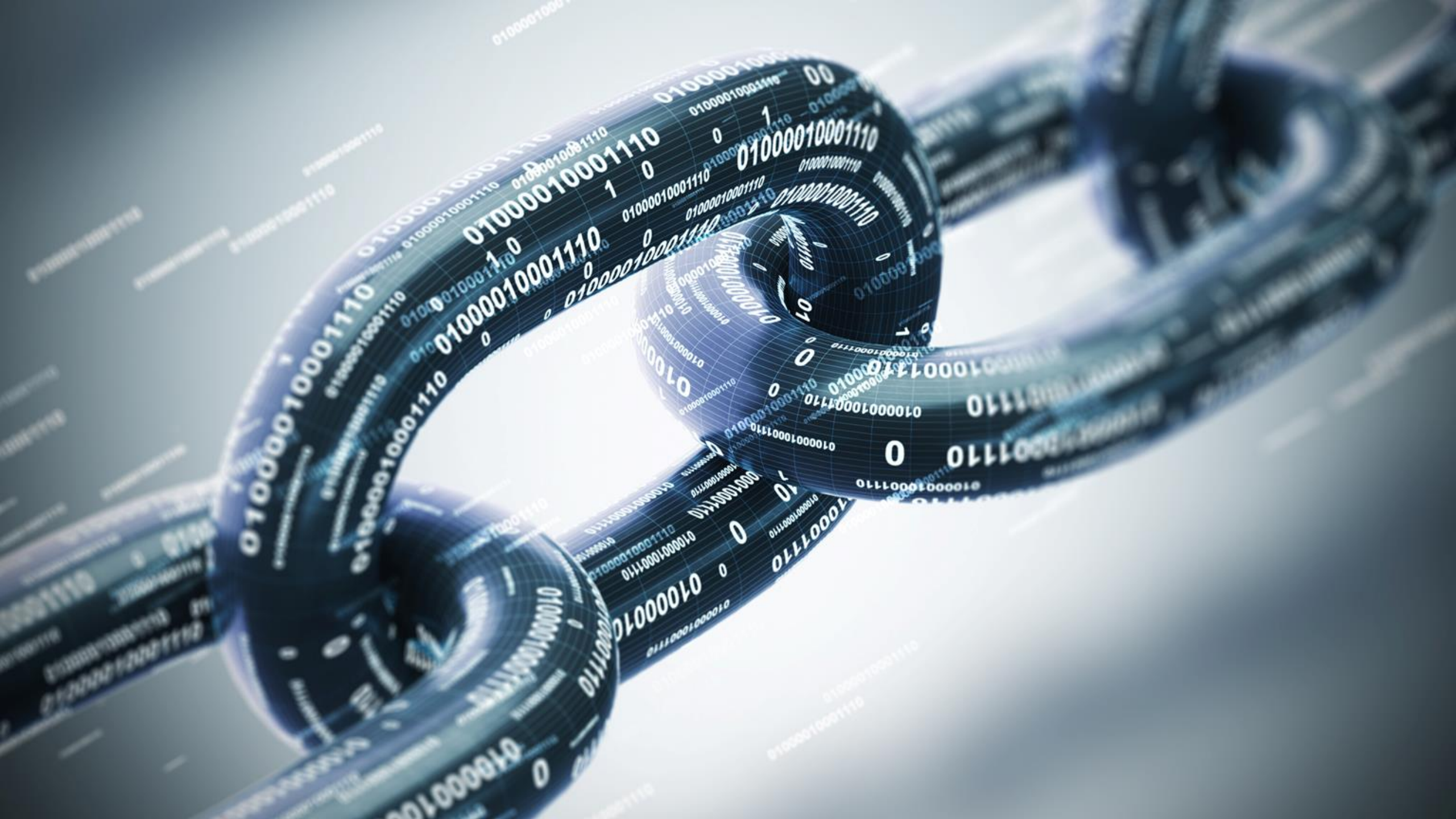

Bitcoin or cryptocurrency?

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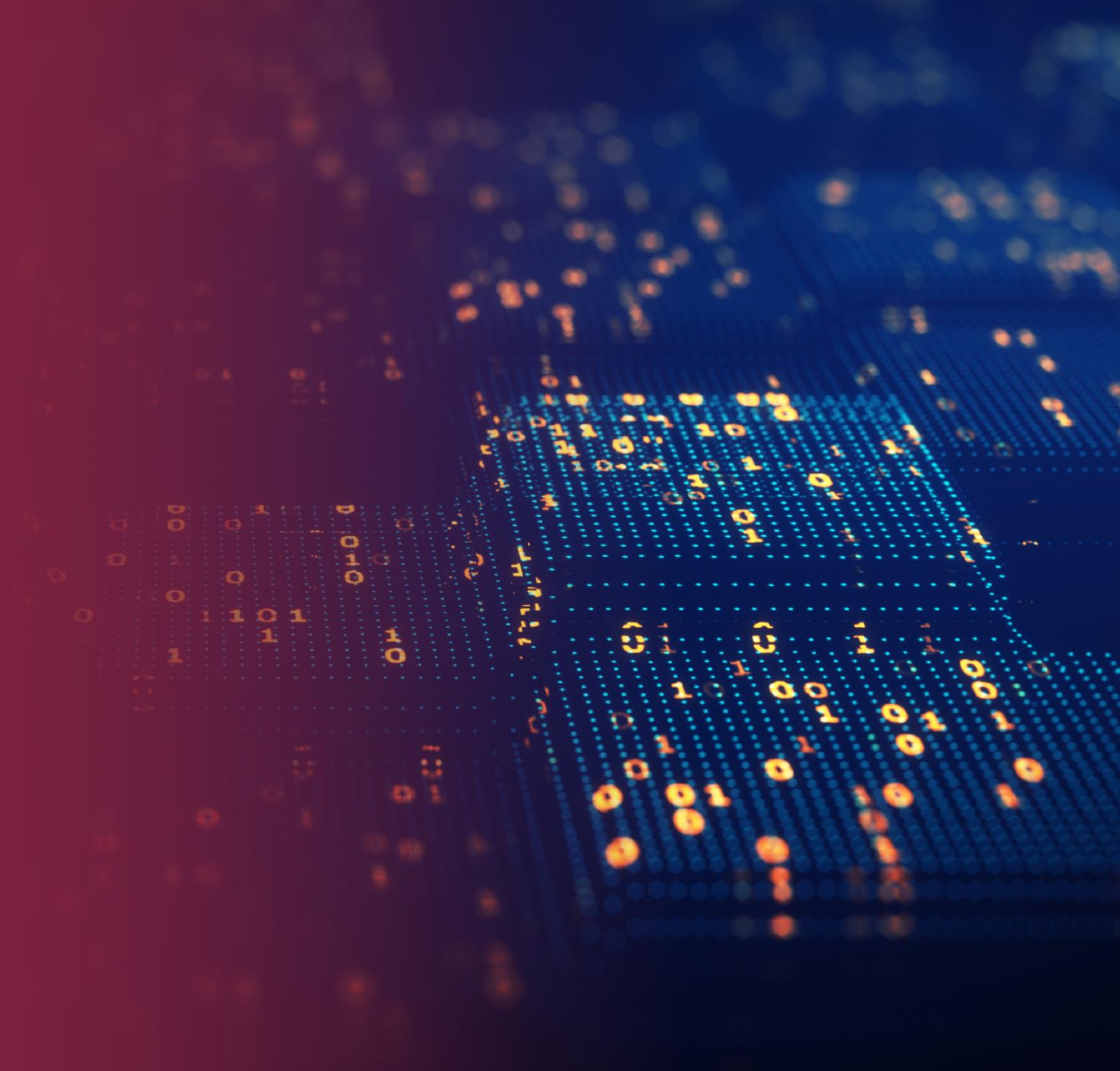
Defines new ways of social interaction and exchanges



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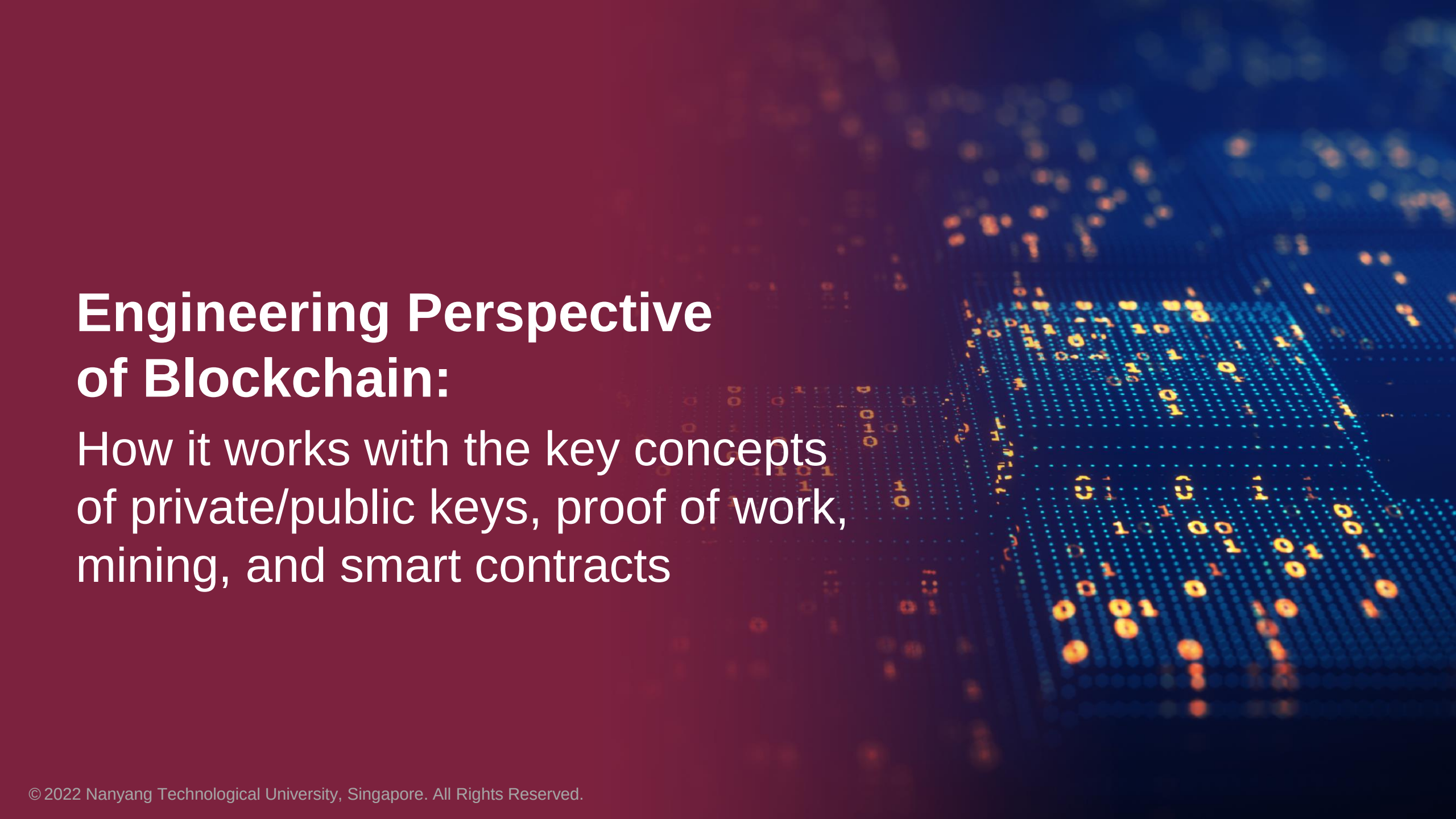
Engineering Perspective of Blockchain:

How it works with the key concepts of private/public keys, proof of work, mining, and smart contracts



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Business Perspective of Blockchain:

The meaning, impacts, and risks of decentralised exchanges in finance

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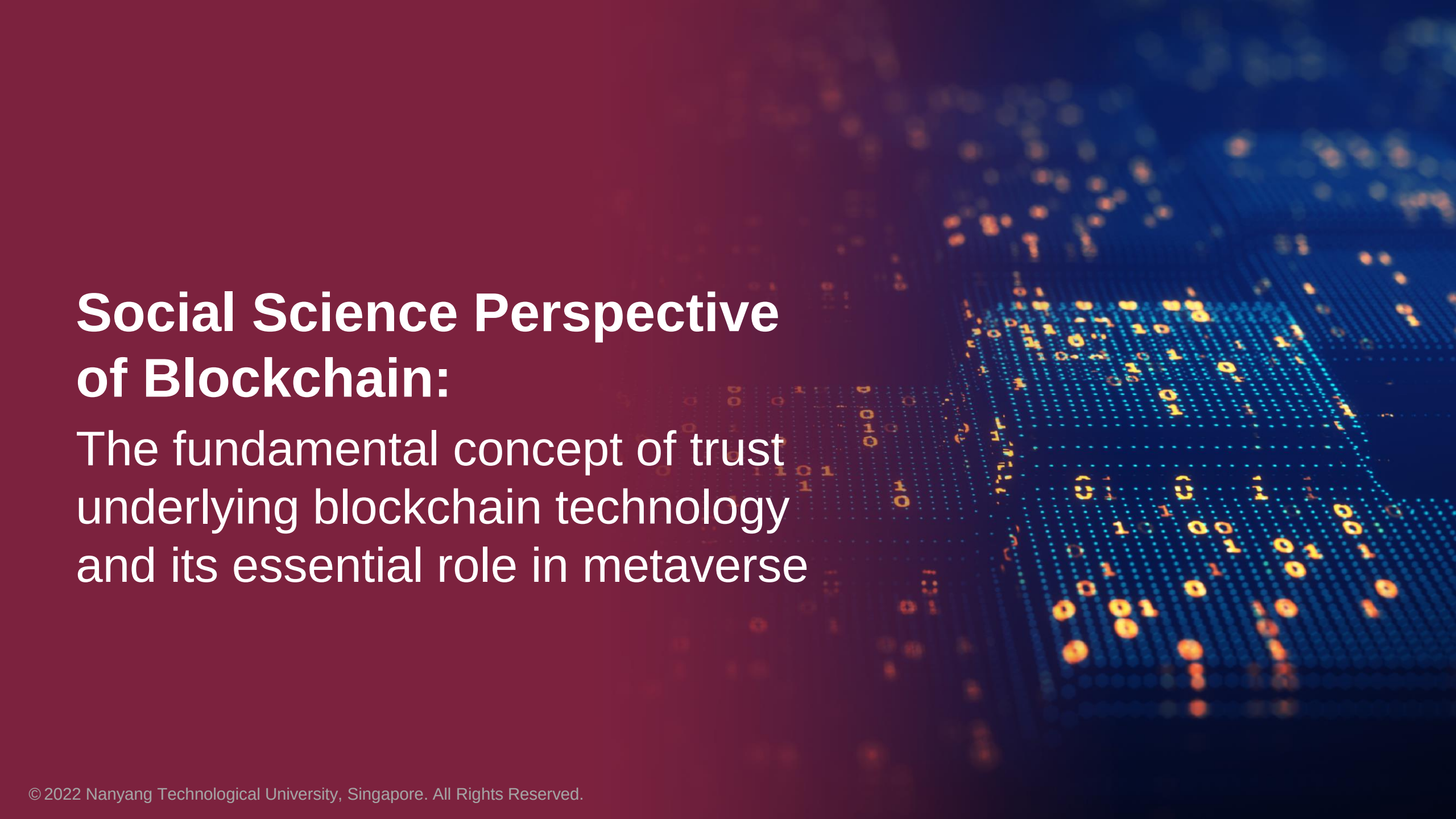
Social Science Perspective of Blockchain:

The fundamental concept of trust underlying blockchain technology and its essential role in metaverse



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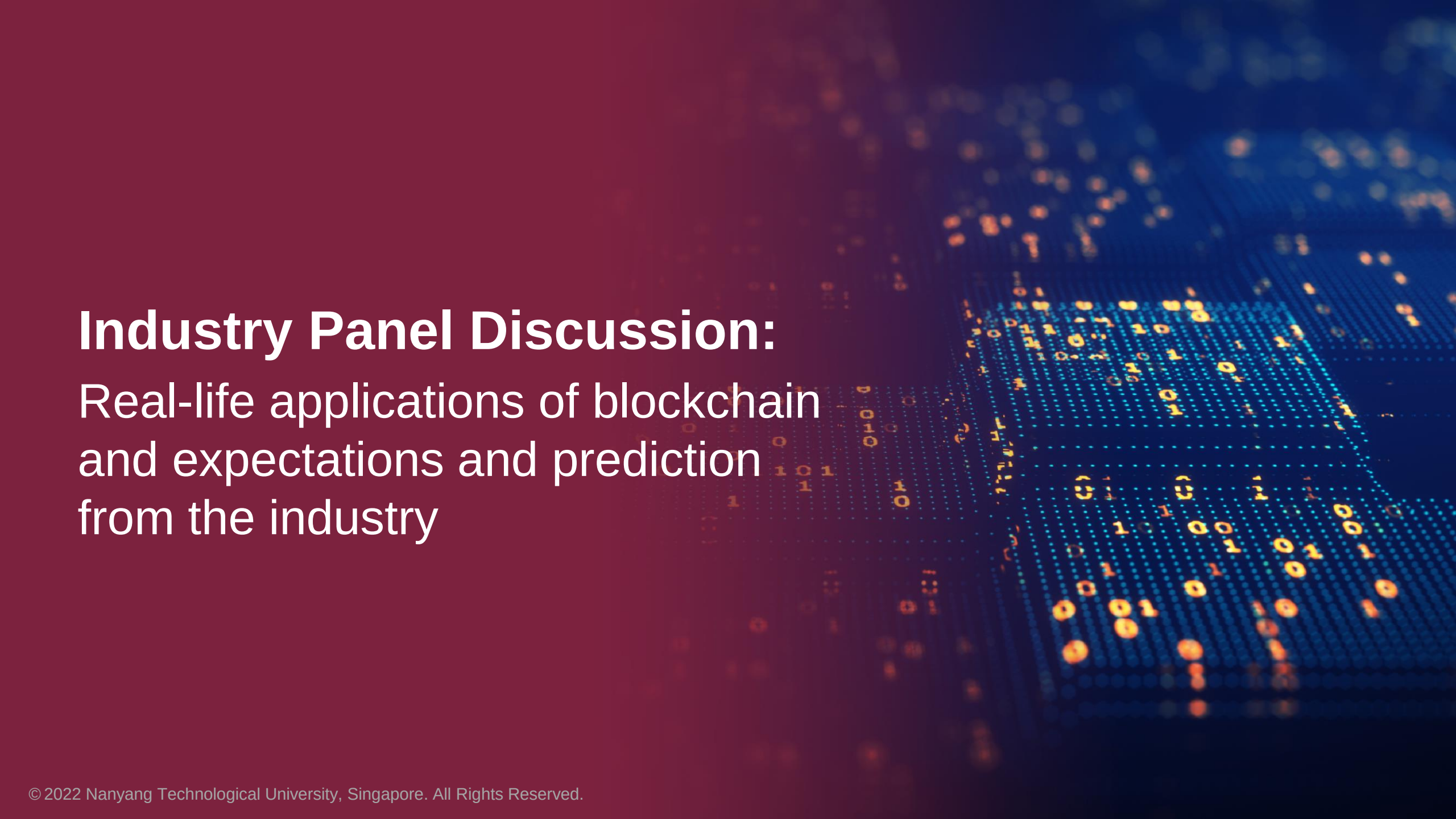
Industry Panel Discussion:

Real-life applications of blockchain and expectations and prediction from the industry



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Expected Outcomes:

Basic knowledge on blockchain technology, identification of its potential, values of different perspectives, and collaborative experience of problem solving

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