




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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The background features a dark blue field with a grid of glowing orange and yellow dots. Overlaid on this is a pattern of binary digits (0s and 1s) in a lighter blue color, creating a digital or data-themed aesthetic.

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

The Invention of Lying

- 1) You can scan to watch this supplementary video, by visiting the external link to abide by copyright protection requirements.
Kindly scan the QR code provided below:



- 2) You can also click on the given link to access the supplementary video at any given time:

<https://youtu.be/3DmchoOLczY>

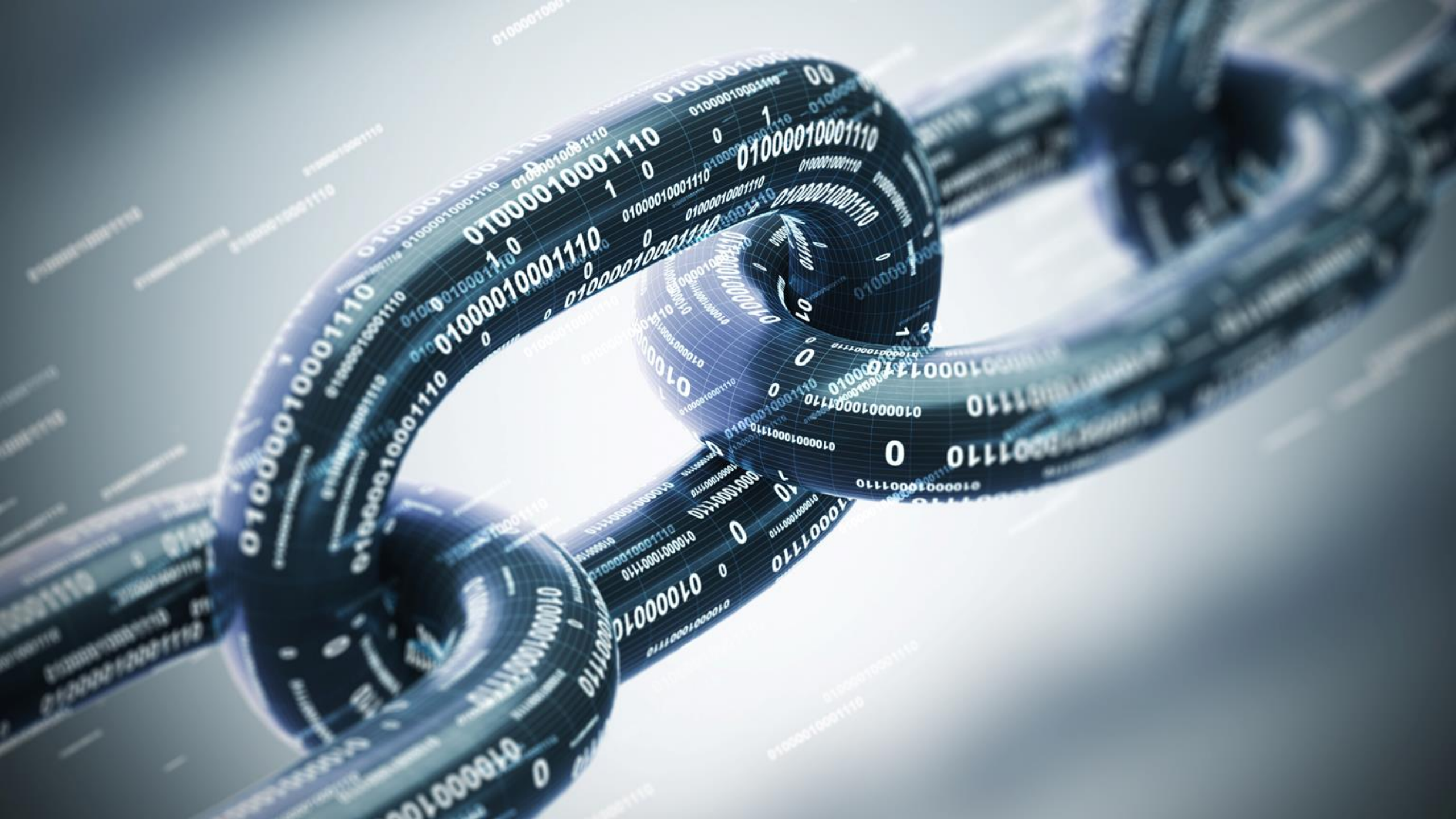


The background is a dark blue gradient with a pattern of glowing yellow and orange dots and binary code (0s and 1s) scattered across it, creating a digital or data-themed aesthetic.

**Then, how to know
who or what to trust?**

What is a blockchain?

The background of the slide is a dark blue gradient. On the right side, there is a grid of glowing yellow and orange dots, some of which are arranged in patterns resembling binary code (0s and 1s). The dots are more concentrated on the right and fade out towards the left, where the text is located.



Bitcoin or cryptocurrency?

The background is a dark blue gradient with a grid of glowing yellow and orange dots. Some of these dots are arranged to form binary code (0s and 1s) in a perspective view, receding into the distance. The text is white and positioned on the left side of the image.

**Defines new ways
of social interaction
and exchanges**

Engineering Perspective of Blockchain:

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

Business Perspective of Blockchain:

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

Social Science Perspective of Blockchain:

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

Industry Panel Discussion:

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

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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