

UICL 2302 THINKING OF SCIENCE AND TECHNOLOGY
SEMESTER 2 SESI 2018/2019
SEMINAR UICL 2302: HUMANISING SCIENCE AND TECHNOLOGY IN THE ERA OF
INDUSTRIAL REVOLUTION 4.0

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(Attendance: 3%)
(Review report: 7%)

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SECTION: SECTION 28

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INSTRUCTION: Explain seven (7) main points from the talk.

1. 4th Industrial Revolution.

- leading the intelligent information society and the Digital Transformation.
- 1st Industrial Revolution: mechanization through steam engine.
- 2nd Industrial Revolution: mass production through electric energy
- 3rd Industrial Revolution: intelligent information revolution through computer and internet

2. The reason why technology needs to become more human.

There are 3 reasons which are convenience. Personalized, quick and easy access to the information. Next is simplification, technology is supposed to reduce the complexity of our daily lives, human oriented to help us to simplify, assess and filter. Third reason is greater inclusion. The speed at which technology is advancing bears the risk of excluding less ~~technology~~ tech-savvy people from its benefits.

3. Technology more human-friendly because technology help users develop a relationship, device, software and the brand. Technology ~~help~~ help to add the human touch and to design matters.

4. Humanizing technology should be about more than making technology look, sound and feel human. Humanizing technology is the natural progression of our digital journey Steve Jobs. Humanizing technology will require software - reverse - engineered from the human experience.

5. Humanizing science and technology are intellectualization (Human-machine), Virtualization (Reality-virtual) and Hyper-connection (Human-things)

6. A Holistic Approach

Process - Improving operational excellence

Data - making better decisions with better data

Organization - Developing a high performance culture

Technology - Optimizing and leveraging technology

7. A service system is a human-made system to improve provider-customer interactions and value-co creation, outcomes by dynamically, configuring resource access via value propositions, most when studied by many disciplines, one place at a time.

