

# Embracing the New Normal of Education: *Blending Technology into Pedagogical Design*

Applying Robotics in Immersive Learning  
by

Professor Larry POON

Institute Fellow

The Asia Pacific Institute of Business, CUHK

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# Case: Program Design and Execution for MBA Program of Imperial College Business School

- Background: The Asia Pacific Institute of Business has been organizing the residency week by providing programs in related to the topic “Doing Business in China” for MBA of Imperial College Business School for several years.
- Learning objectives of 2020:
  - 1. Doing business in China under new normal
  - 2. After the lesson, students need to work in group to develop business strategies (for a chosen target company) under new normal

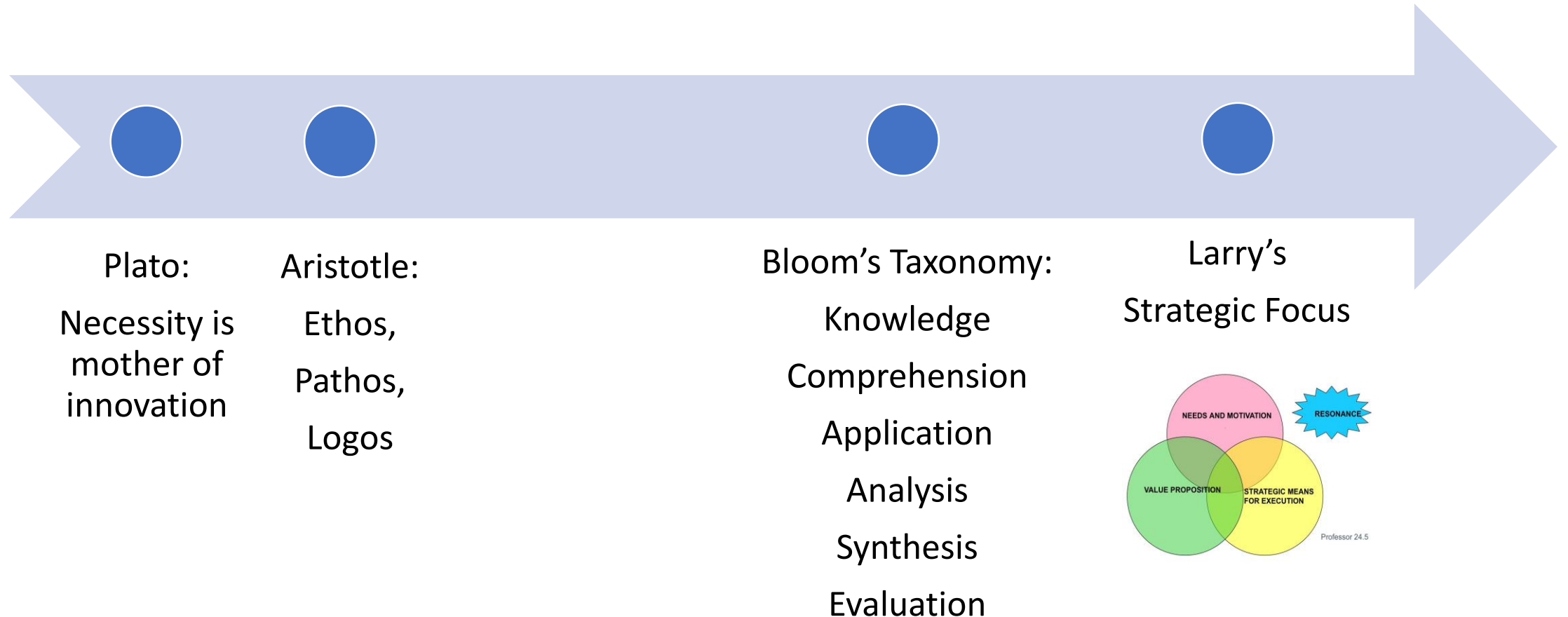
# What Would We Normally Do?

- Step 1. Understand the need and objectives then
- An outline to guide the program design such as
  - 1. What is the situation of new normal in this part of the world
  - 2. How do business companies compete in the new normal
  - 3. Case study
  - 4. Group work: reflection and problem solving exercise in related to the case and their chosen company

# What Would We Normally Do?

- Step 2. Choice of case
- “What is the case” and “How we deliver the case” are the most difficult and critical factors for success !
- Option 1. Harvard cases or equivalent, google search more relevant examples of doing business under new normal so as to share knowledge with the theories you need to teach and highlight
- Option 2. Choose cases and examples based on our personal experiences or real-life works. For me, I have bathtub business, management consulting business and a tech company in AI Robotics, those are doing well under new normal

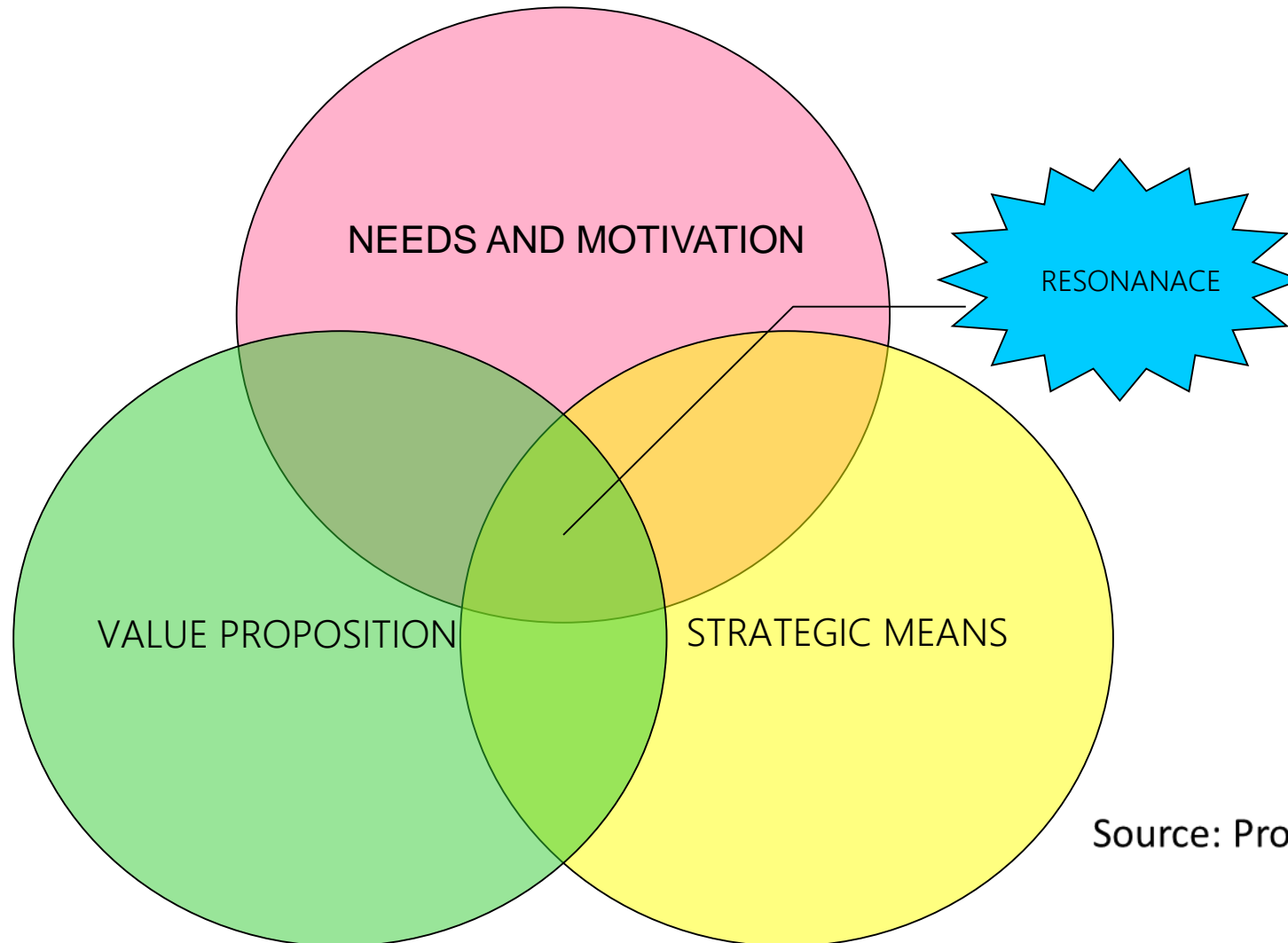
# Strategic Thinking in Pedagogical Design



# Strategic Thinking in Pedagogical Design

- Plato: Given the new normal “necessity”, technology as an accelerator !
- Aristotle: Try to leverage “Ethos, Pathos and Logos” in conveying messages simultaneously
- Bloom: The final outcome of this program is “application”, that means “able to apply the learned knowledge in new manner and its own context”
- Students need to buy-in, otherwise they won't apply it.

# Strategic Focus



Source: Professor Larry POON

# Critical Factor in Our Design: How would you choose?

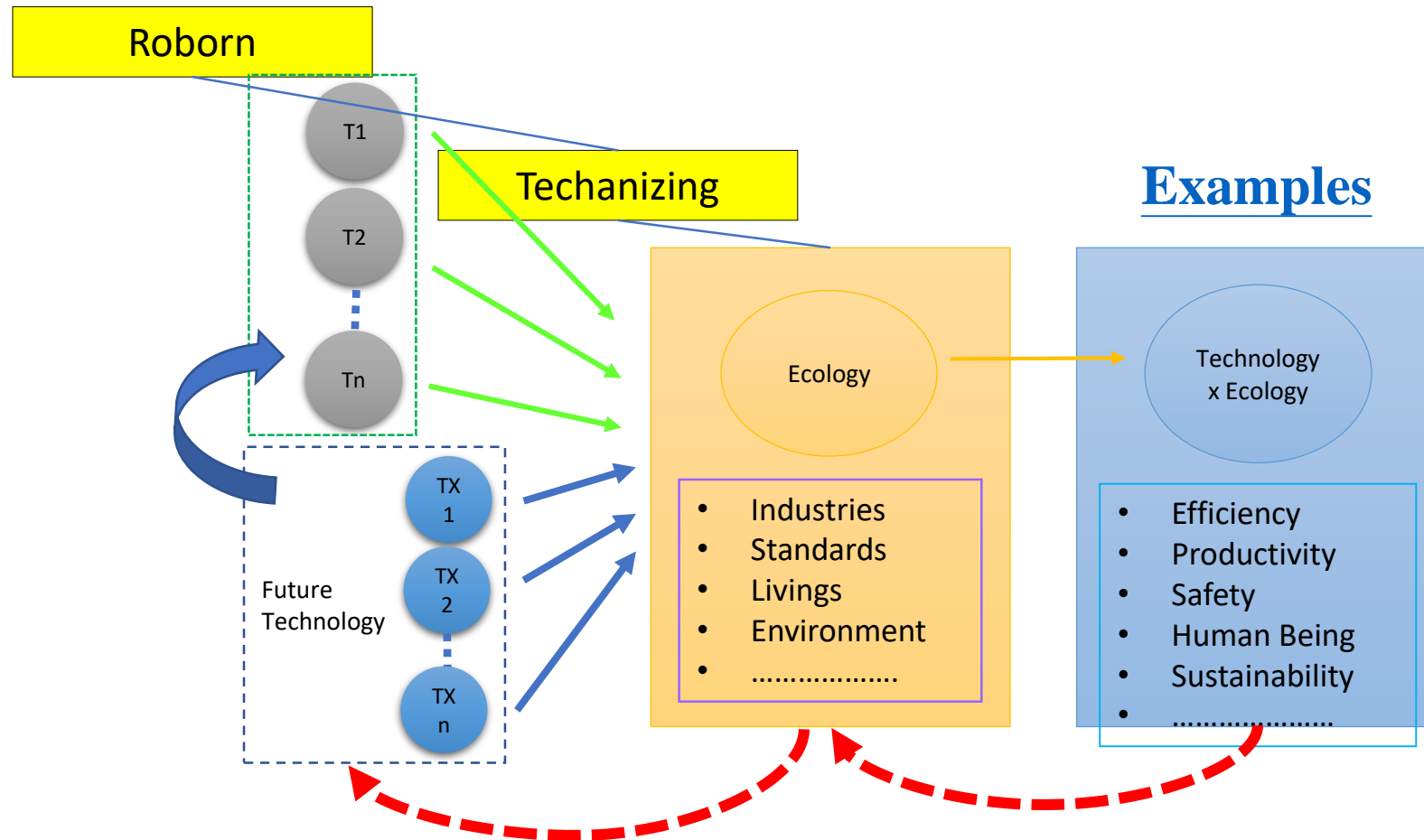
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# Option 3. Story within Story (Mise en abyme)

- I chose the case “Roborn” which is my AI Robotics startup, with exponential growth and got A round fund raising successfully under new normal
- AND
- I used one of the robots called “Freedom” to conduct the lesson!
- By doing that, the students actually “jumped into the case” and got “first hand immersive learning experience” so as to increase their level of “buy-in” for application!

## Case: Roborn's Technization



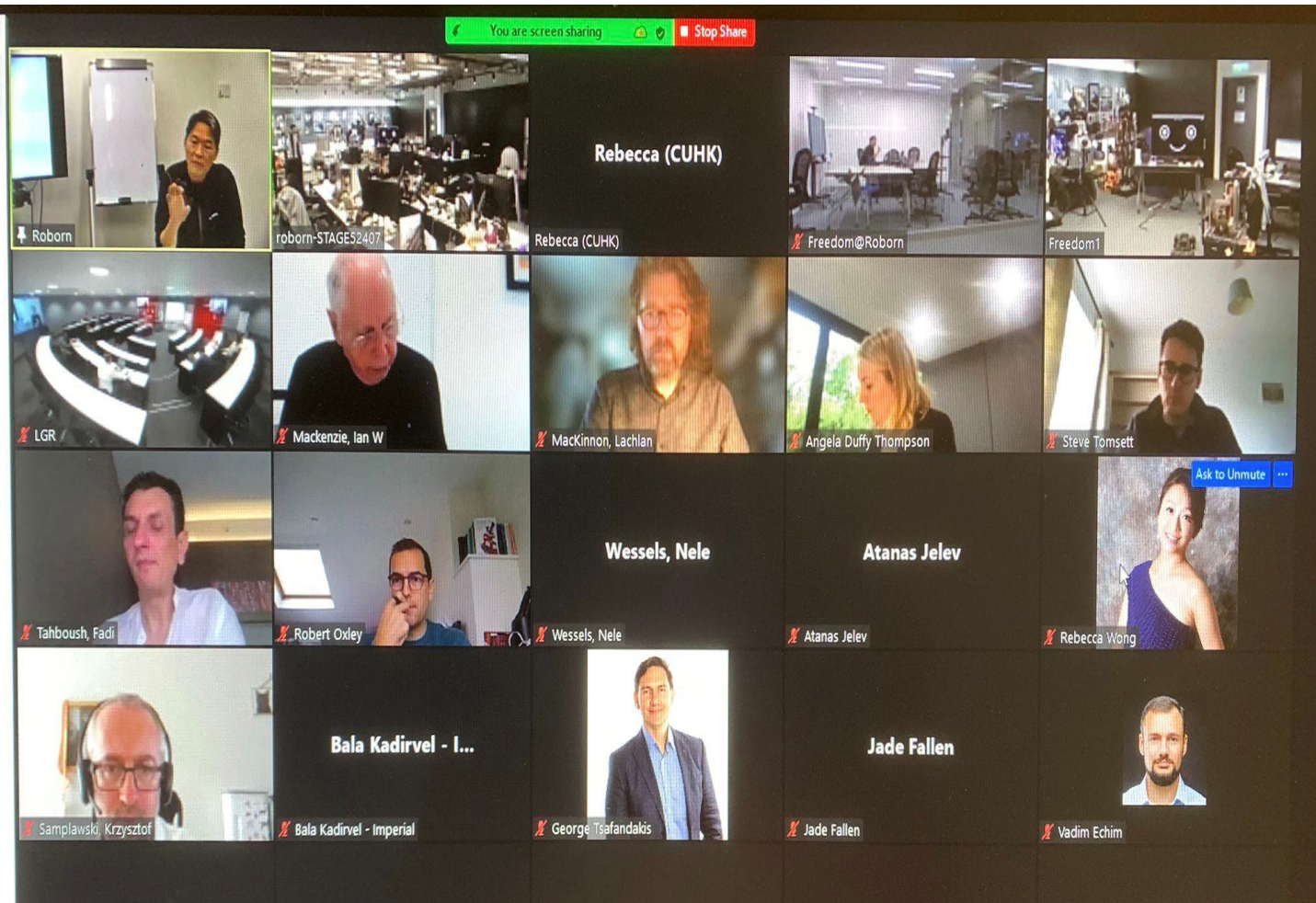
# Then I Explained the Creation of Freedom

- Pain point of professor under new normal: “Teachers have no “freedom” to interact with students. Our interaction has been limited by the video conference set up. I can’t move around and use my body language while I am sharing my screen....”
- Robot Freedom can “free” me, on one hand I can walk to the products I need to illustrate, on the other hand, you won’t miss the slides and can continue with video conferencing or even have a virtual tour of a company office in real time!!! All I have to do is simply to give a verbal command to Freedom and she will do the job for me!
- What? Really?

# Suddenly I stood up, moved around and conducted the virtual tour!!!

- 1. Students thought I have been using a computer or a camera for VC in teaching, but it's the robot doing the job!
- 2. Freedom followed me and gave a tour to introduce how Roborn engineers create robots in the workshop!
- 3. Students and teacher keep doing the Q&A during the tour!

# Freedom: Static to Dynamic







# Result

- As the creator of Freedom and a teacher with passion, I (Ethos) provided evidence that Freedom (Logos) can greatly improve my teaching and students' interaction (Pathos).
- The program was successful, ranked 1 and got very positive feedback

6. Thursday 22nd October: Roborn Company (Professor Larry Poon)

6.3) Any comments:

- SUPERB session and information given with Roborn as an example, loved the case studies and applications
- We loved Professor Poon, his energy was fantastic, and it was great to experience the lecture through one of the robots! Loved the tour around the office and its only made us want to come and visit even more. Loved how generous he was with his time and offer for us to send suggestions and ideas to him. Interaction and having to make presentation slides with the case studies was a helpful way

- Thank You