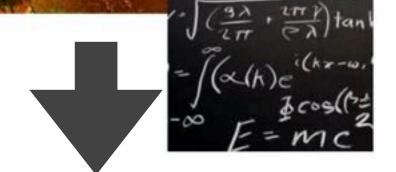


SEAMEO - TSUKUBA Symposium VIII February 13, 2020

#### Scientific Knowledge



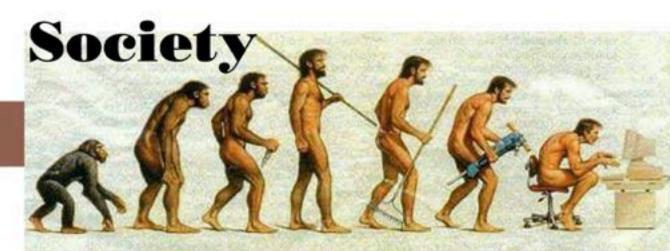


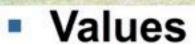


Used by



Natural World





- Needs
- Environment
- **Economy**

Technology



Man-Made World

Create/Made



There is a chest

- Products
- **Processes**









of everything

# INTELLIGENCE STATES

collective

# 

generation/age

openness

NNOVATION normal is not good enough

collaboration

COCREATION

sharing

CONECTIVITY of everything

interaction

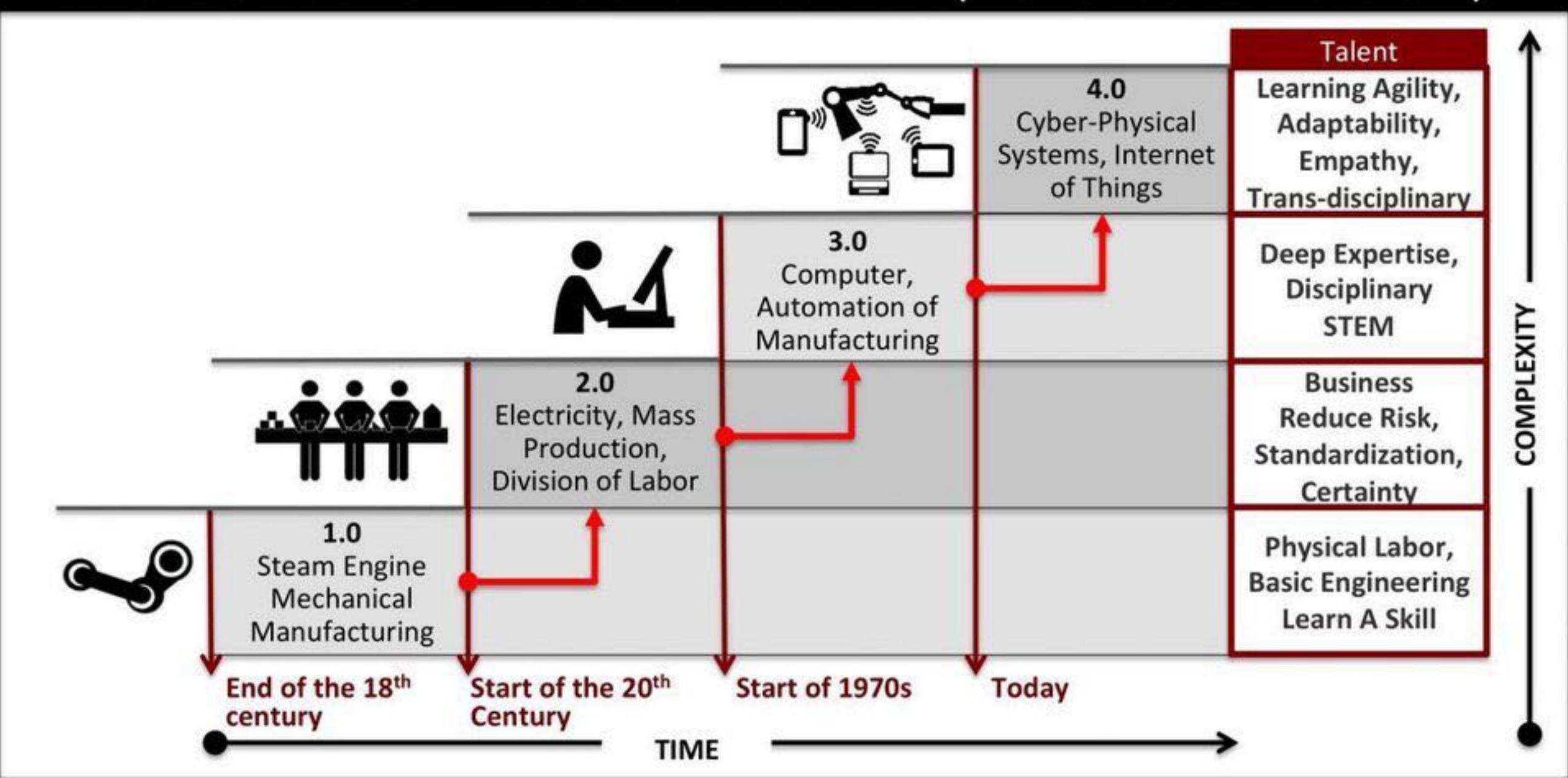








## Future of Work: 4th Industrial Revolution (World Economic Forum)











humanity's sustainable development is achieved through valuing diversity and providing opportunities for everyone to achieve their full potential.



## EDUCATION FOR ALL





# 

is















It is about WHAI students CAN DO with WHAT they FOCUSING ON KNOW ETENCE 





# A STRUCTURE OF KNOWLEDGE to WORK for after graduating from university ...

A STRUCTURE OF COMPETENCES

to SUCCESSFULLY

The Future

"HIGHER

Education

In the world of 4.0...









#### **Emerging new world order**

A fundamental, radical transformation is occurring through four forces of change, bringing about a new world order:

- Qualitatively, a world of increasing variety, interdependency, complexity, change, ambiguity and seamlessness (boundarylessness);
- Exponentially accelerating technological innovation, encapsulated in the term "fourth industrial revolution", the features of which are digitisation, interconnectivity, virtualisation, automation and smart;
- The adoption of the core value of sustainability through stewardship, leaving the world a better
  place for future generations; and the centre of the above three forces of change, an extending,
  increasingly diverse range of activist stakeholders with shifting interests, demands and
  expectations most frequently in conflict and demanding trade-offs whose voices are
  amplified by social media, enabling them to rapidly mobilise around issues, nationally and globally.



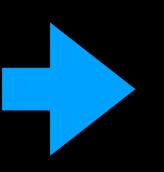
# Teaching Culture

## Learning Culture

content to be covered how to learn effectively

"what" will happen in this why" is this course relevant ourse and "when" and "how" can students be and 10W can students be successful?

teacher-directed



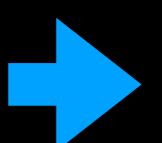
partnership between teacher and students



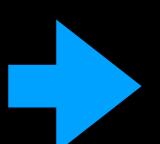


# Teaching Culture grades, punishment

Learning Culture



meaningfulness, CUIOSITY, student autonomy, community



positive, encouraging, inviting, engaging

dry/boring and/or punitive/controlling



## Key terms

### Micro-Credentials

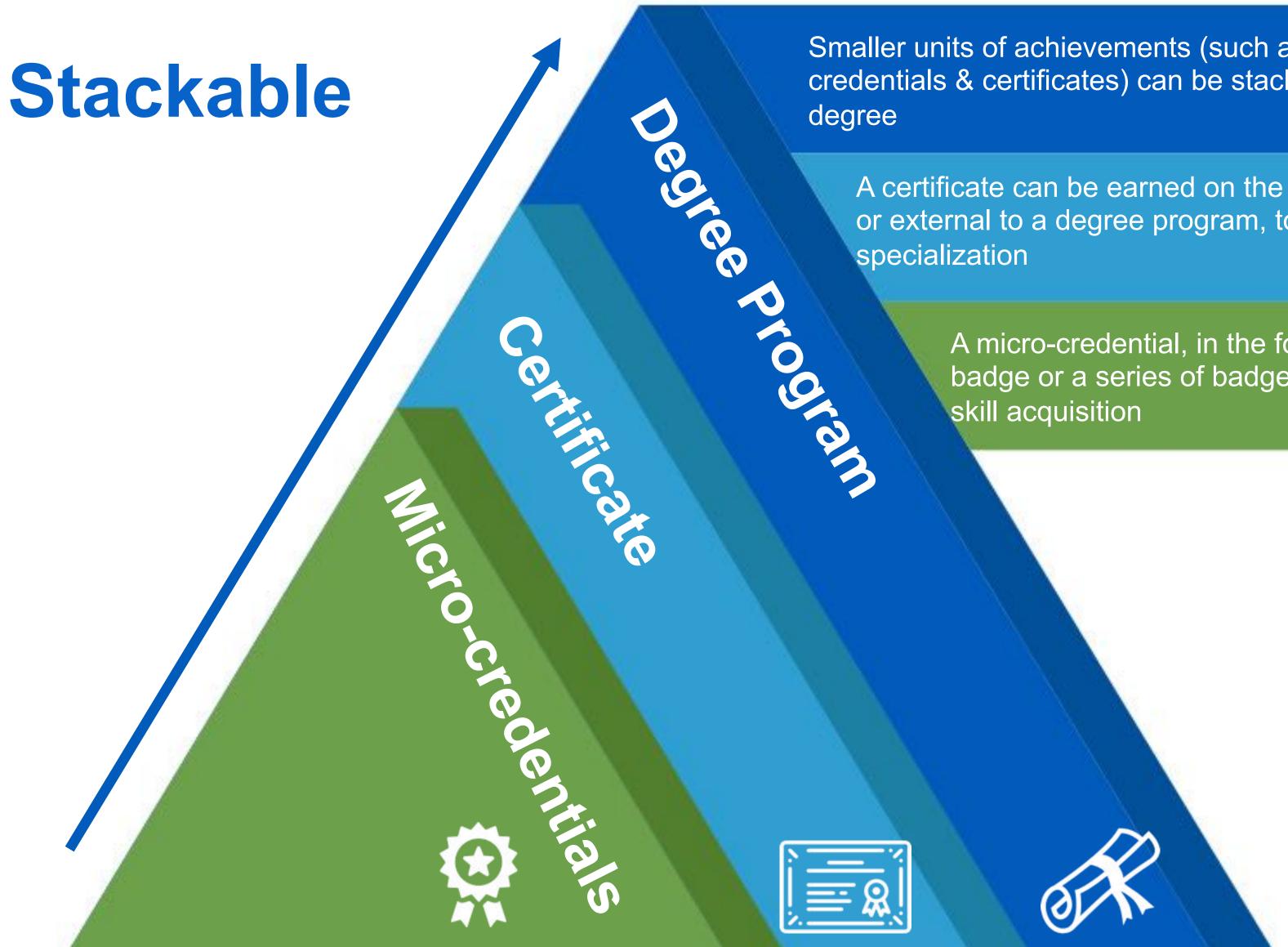
- Small, skills-based programs that result in a digital credential
  - May be credit bearing or non-credit bearing (0-X credits)
  - At many institutions, digital badges are awarded upon completion of a micro-credential.
  - Provide opportunity for personalized learning.
  - Provide mechanism for learners to gain relevant skills and to easily showcase those skills.

DEGREE: DIPLOMA:: MICRO-CREDENTIAL: DIGITAL BADGE









Smaller units of achievements (such as microcredentials & certificates) can be stacked to a

A certificate can be earned on the way to a degree, or external to a degree program, to show

> A micro-credential, in the form of a digital badge or a series of badges, recognizes

> > Example-

**Digital Composition** microcredential offered through the English department

- A fully online program that stacks towards a graduate certificate
- Graduate certificate stacks toward Master's degree

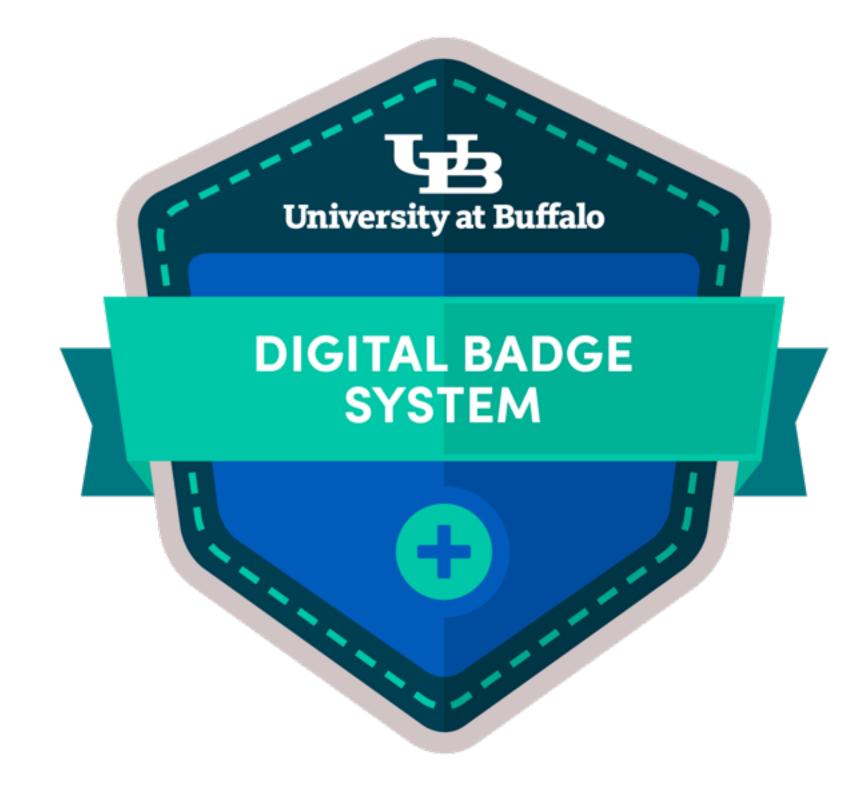




## Digital Badge-- Definition

Digital badge- A digital icon that represents successful completion of a learning experience(s).

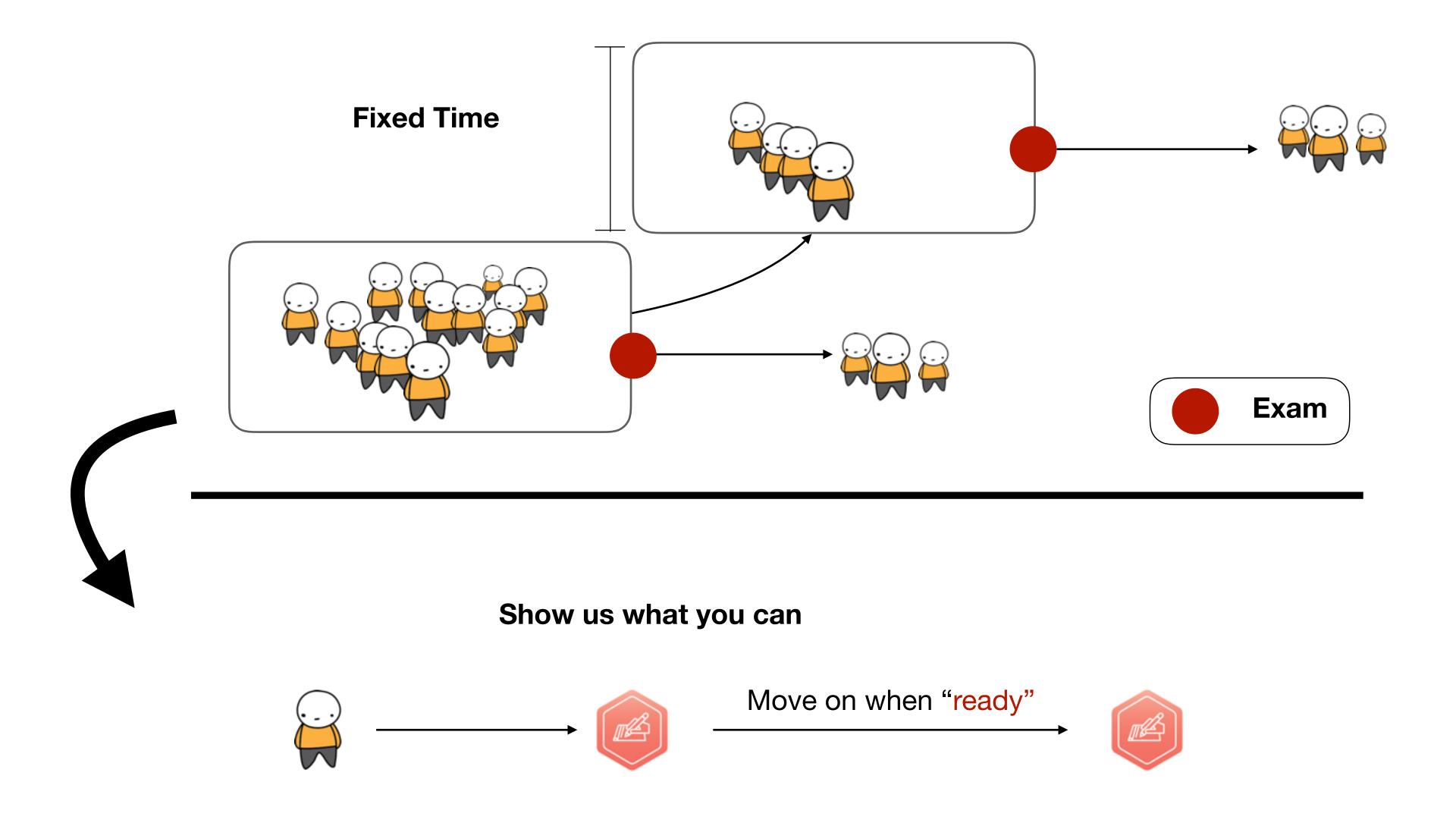
Badges contain metadata, including information regarding the issuing institution, the date earned, the criteria required to earn the badge, and the associated evidence related to the awarded badge.











Learn what you need

Self-pace learning



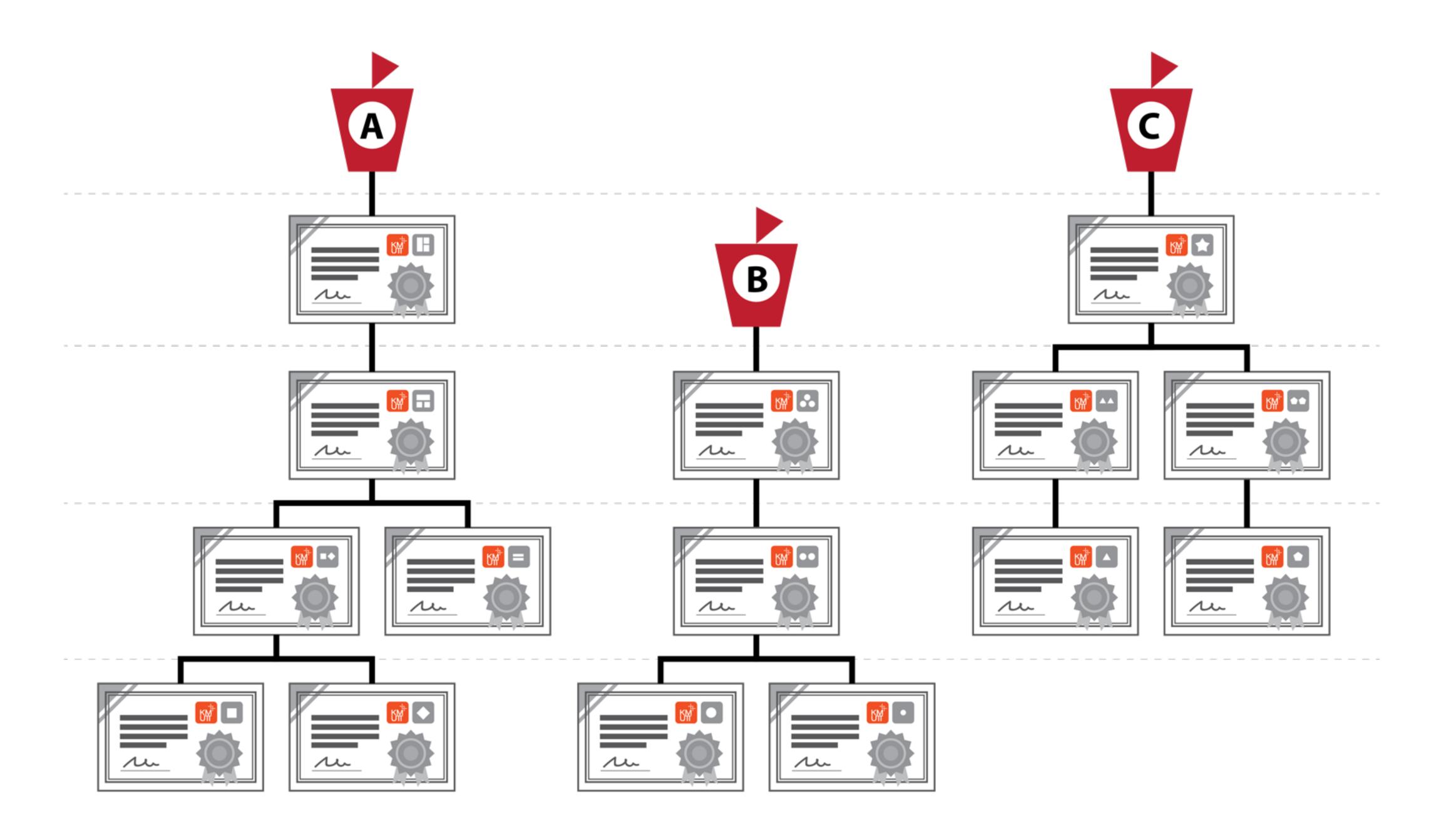
#### **KMUTT Service Menu**

Credential + Micro credential

























## Accumulated Wisdom

Cultivating wisdom, one step at a time

## Higher Order Thinking

Focus on higher order thinking, problem solving

#### **Practical**

Make sure they can do it



# Measure and endorse specific ability

using evidencing

#### **Demand Driven**

Self paced and specific learning for individual needs







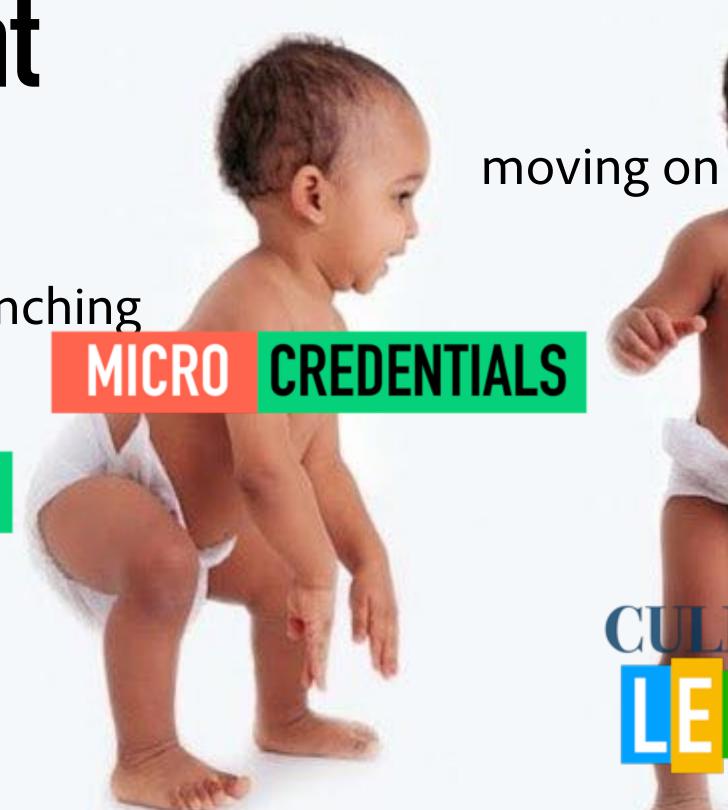


## ACHIEVEMENT of student from LEARNING

**Growth of Student** 



Development Development













If you're not prepared to be wrong, you'll never come up with anything original.

- Sir Ken Robinson

Goalcast









