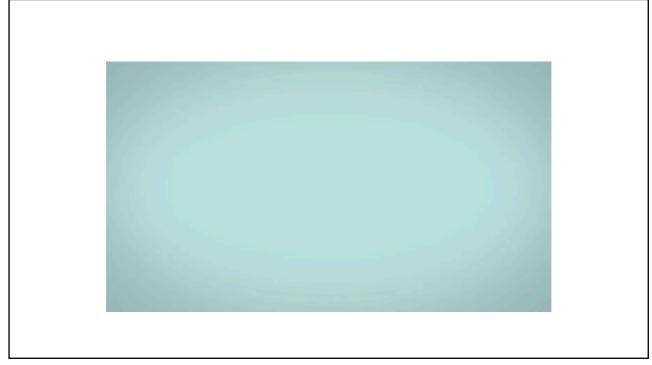
#01: RETHINKING TEACHING, REDESIGNING LEARNING & EDUCATION 4.0

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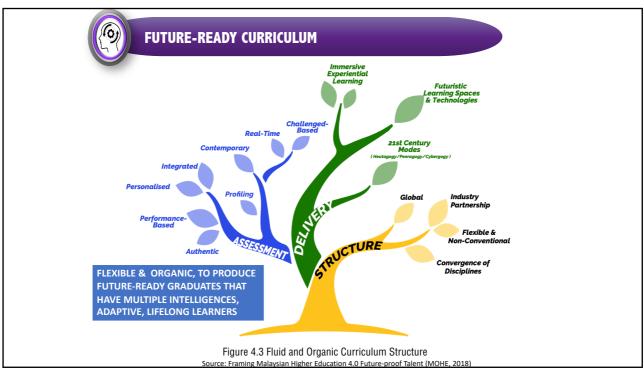
FEATURES OF FUTURE UNIVERSITY MODEL

Table 3.1: 7 Features of 4-Quad Future University Model

FEATURES	NO CHANGE Traditional Brick & Mortar University	MARGINAL CHANGE Jukebox University	ADAPTIVE CHANGE Uberised University	RADICAL CHANGE NANO CERTIFICATION
FACULTY MEMBERS	Professors and lecturers	Professors and lecturers	Mobilise/freelance professors & lecturers	Professional practitioners / experts in the field of study
LEARNING MATERIALS	Books and journals	Books, journals, blended learning, MOOCs 4.0	M00Cs 4.0	User generated contents
KNOWLEDGE PHILOSOPHY	Specialisation and sub-specialisation	Specialisation and sub-specialisation	Adaptive, embedded, Appreciation of social, cross-disciplines	Integration of cross-disciplines, appreciation of knowledge and wisdom
STUDENTS	School leavers and mid-career mobility	School leavers and mid-career mobility	School leavers, mid-career mobility and lifelong learners	Lifelong learners, early and mid- career, knowledge seekers Basic education and higher education combined
LEARNING VENUES	Campus and internet	Multiple campuses and internet	Multiple campuses, industry and internet	No physical campus needed, industry and internet
LEARNING MODELS	Lectures, tutorials, labs and studios	Lectures, tutorials, labs and studios	MOOCs 4.0, on- demand courses	Online lectures, peer teaching, students as MOOCs 4.0 co-creators
ACADEMIC OUTCOMES	Academic certificate and expertise	Academic certificate and expertise	Academic certificate from multiple universities, e-Portfolio	Certification by professional bodies/ community / industries/ e-Portfolio

Source: Framing Malaysian Higher Education 4.0 Future-proof Talent (MOHE, 2018)

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New Roles

Challenges of future LnT must be turned into opportunities for change!

- *Changes of Accreditation Procedures:

- Encourage the use of Organic Curriculum
- *Changes of Teaching Methods:
- Learning Spaces, Futuristic Learning Spaces & Advanced Technology in L&T
- Flipped Classroom, case-based, problembased, Course-less structure

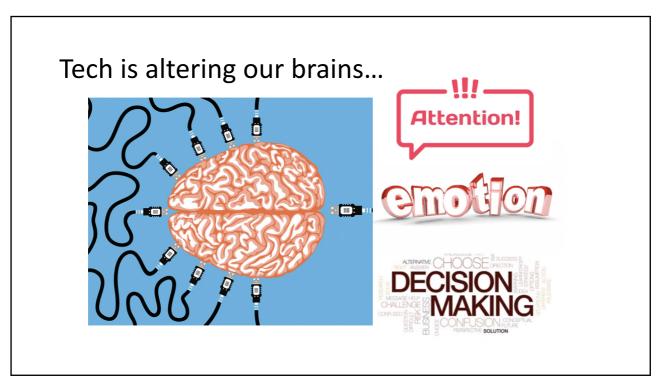
- Changes of learning:
- Personalized and Adaptive Learning
- Massive, Crowd-based learning
- Distance Learning, Learning on-demand

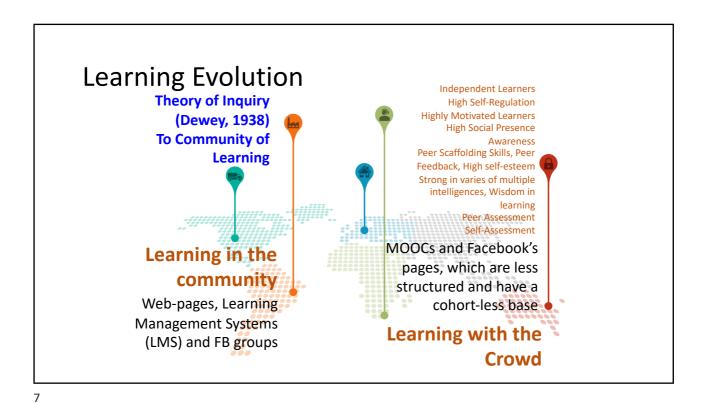
Changes of Thinking:

- Data-driven decision making and thinking
- Innovative-based thinking
- Humanization of technology thinking

Changes of Assessment Methods: - Holistic, Authentic - Personalized-based Assessment

Source: *Partly Adapted from Sabina-Jeschke, Engineering Education for Industry 4.0 (2016)





Learning with Community

• LMS, web-based, FB group

Learning with Crowd

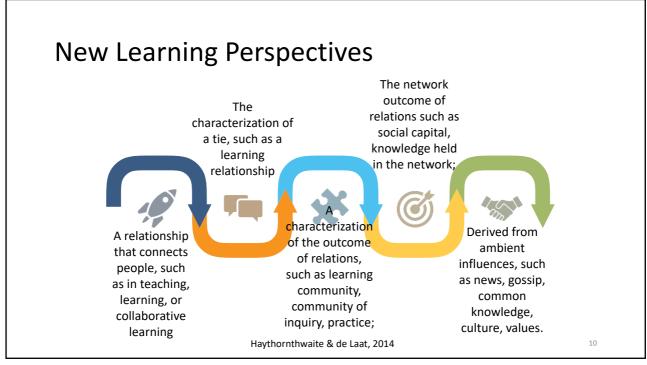
MOOCs, FB Page

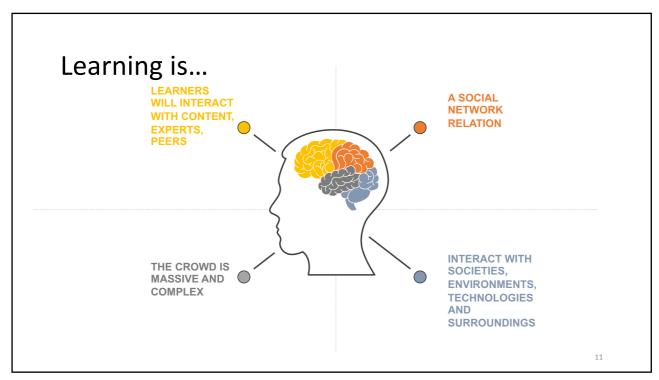
Community vs Crowd!

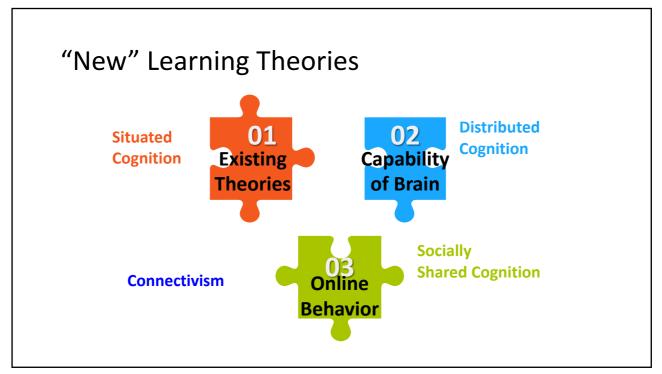
Crowd-Sourced Learning Skills

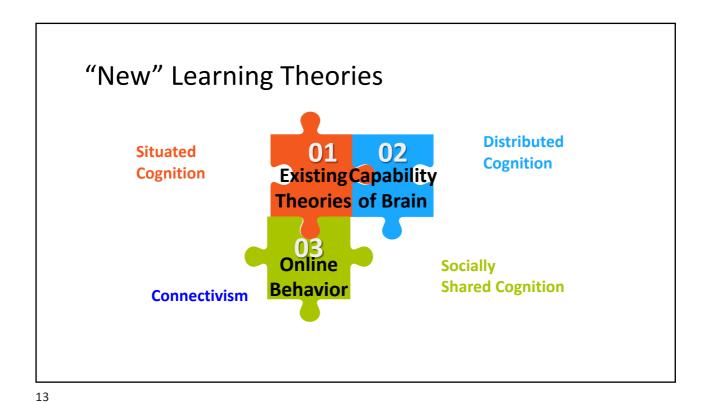
- Independent Learners
- High Self-Regulation
- Highly Motivated Learners
- High Social Presence Awareness
- Peer Scaffolding Skills, Peer Feedback
- High self-esteem
- Strong in varies of multiple intelligences
- Wisdom in learning
- Peer Assessment
- Self-Assessment

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Existing Learning Theories Digital Age Cognitivism Behaviorism Constructivism Learning is a Learning is a process Learning is a Learning is a process process of acquiring of constructing of connecting nodes process of reacting to and storing subjective reality or information external stimuli information based sources



Paradigm Shift of Research Focus in LnT

(through technology; social media, LRS, LA)

- Who learns from whom?
 - Who talks to, gives help to, collaborates with whom?
- What do they learn from each other?
- Which media support which kinds of learning?
- What outcomes do these relations build?
 - Access to resources Trust, mobility, equity, etc.
- What benefit accrues to the network?
 - social capital, shared knowledge, resources
- How do resources flow in the network

Source: Haythornthwaite (2014)

#01: BLENDED LEARNING OVERVIEW

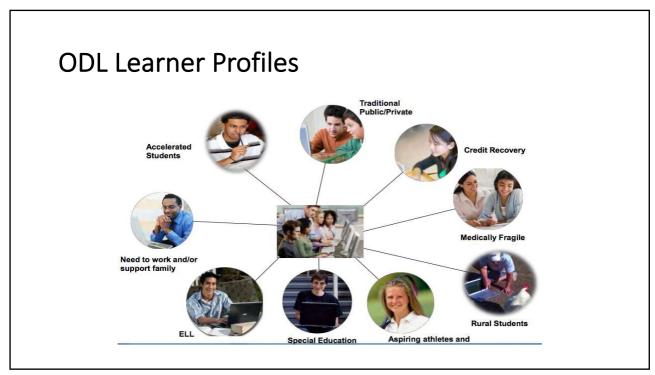
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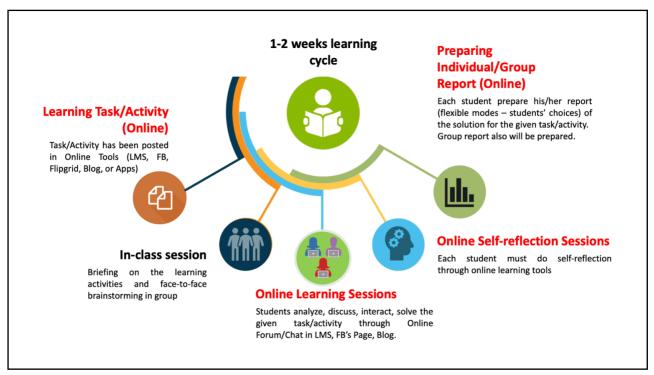
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Understanding the ODL Learner Profiles



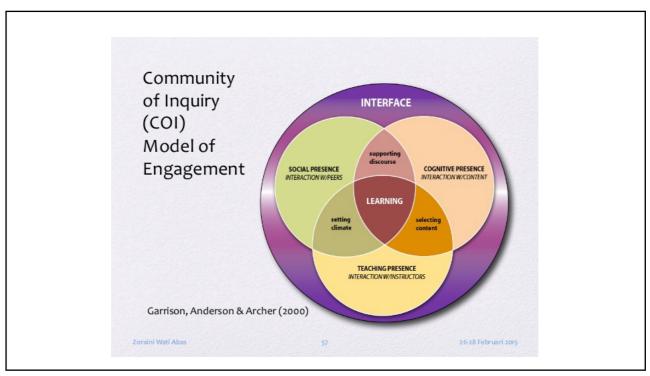
Tips

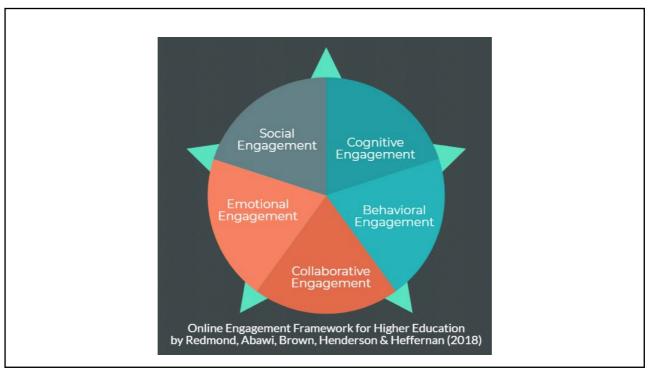
- Start with blended learning activity
- Get familiar with e-learning tools forum, chat, quiz, choice Asynchronous communication tools
- Plan blended learning cycle

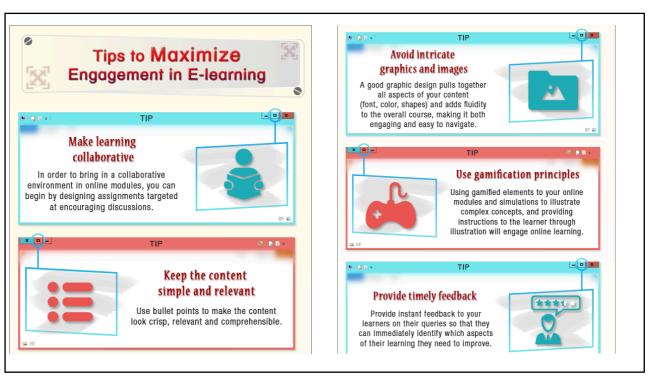


Engagement in Online Learning

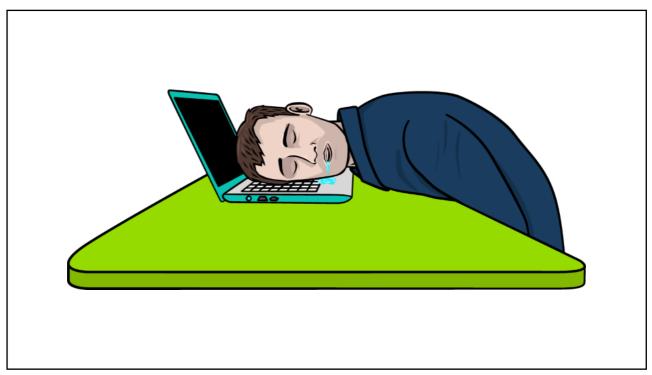
- Online Learning without engagement is like a car without an engine.
- Engagement behavioral, cognitive, and affective (emotion, motivation)
- How to engage learners in online learning??
- Learning activities and environment must be interesting.











Challenges

- Internet line speed
- Totally new way of communication speak loud and clear, word by word don't speak to fast
- Patient while waiting for responses from learners.
- New environment new opportunities
- Your presence matters
- At starting point, you're the one who direct the students to the learning activities
- Always monitor where is every student Are there in the forum, chat room or in Bigbluebutton session?
- Class preparation a week before

