











Robot Doctors Replacing Real Doctors



HIDE CAPTIONS -

AXESSE

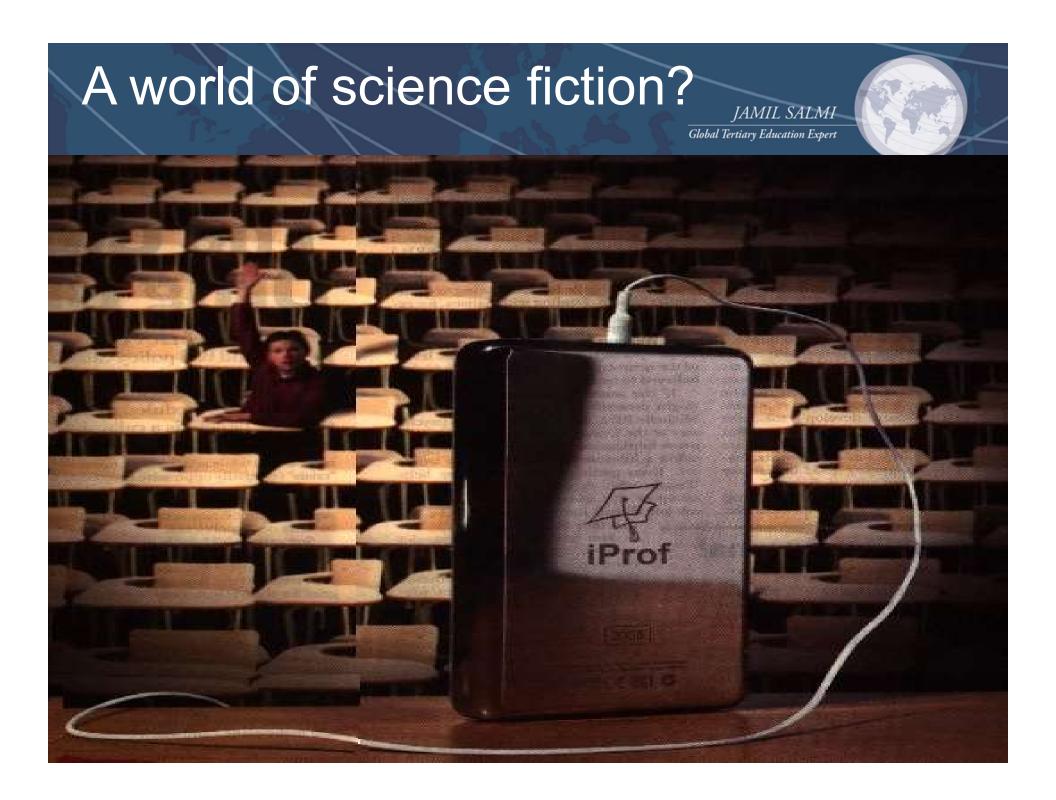


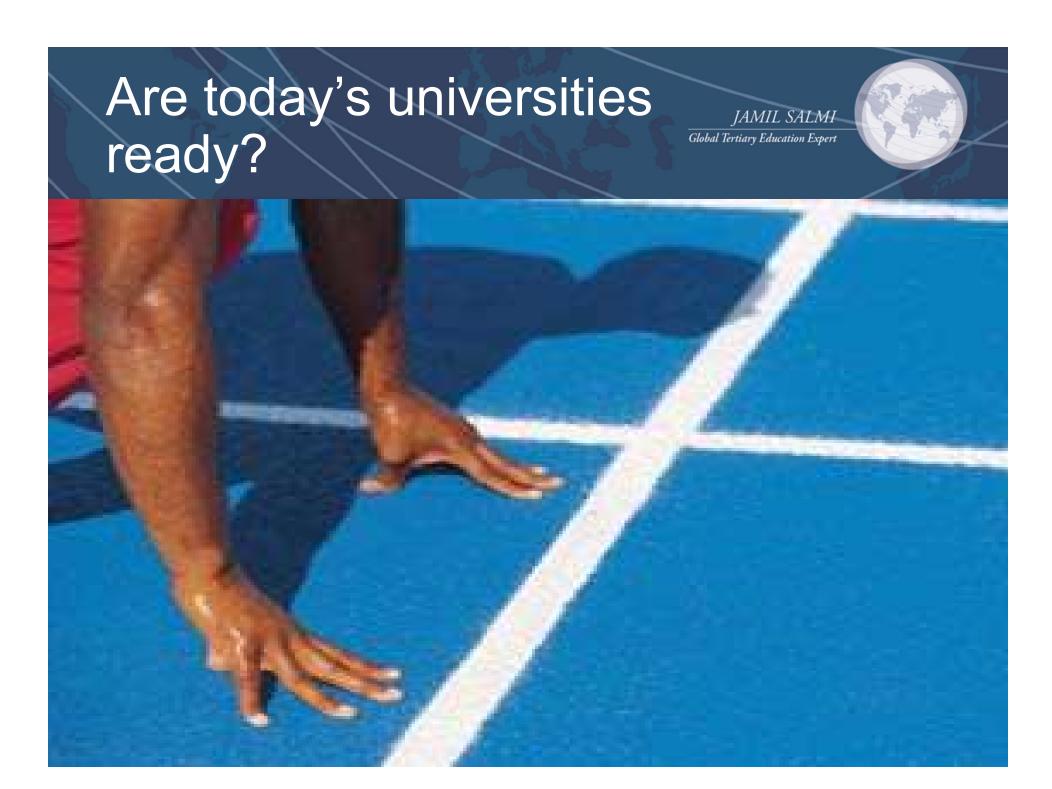


The future of tertiary education?













What if?





Knowledge at the heart of economic growth



- Nordic countries
- Lisbon agenda of the EU
- Asian tigers / dragons





Creation of t Research In







NUS Solar Energy Research Institute:
Taking the lead in solar energy research
and development



search in ible Energy

5 researchers





Tertiary Education & the SDG AMIL SALMI Control of the SDG AM

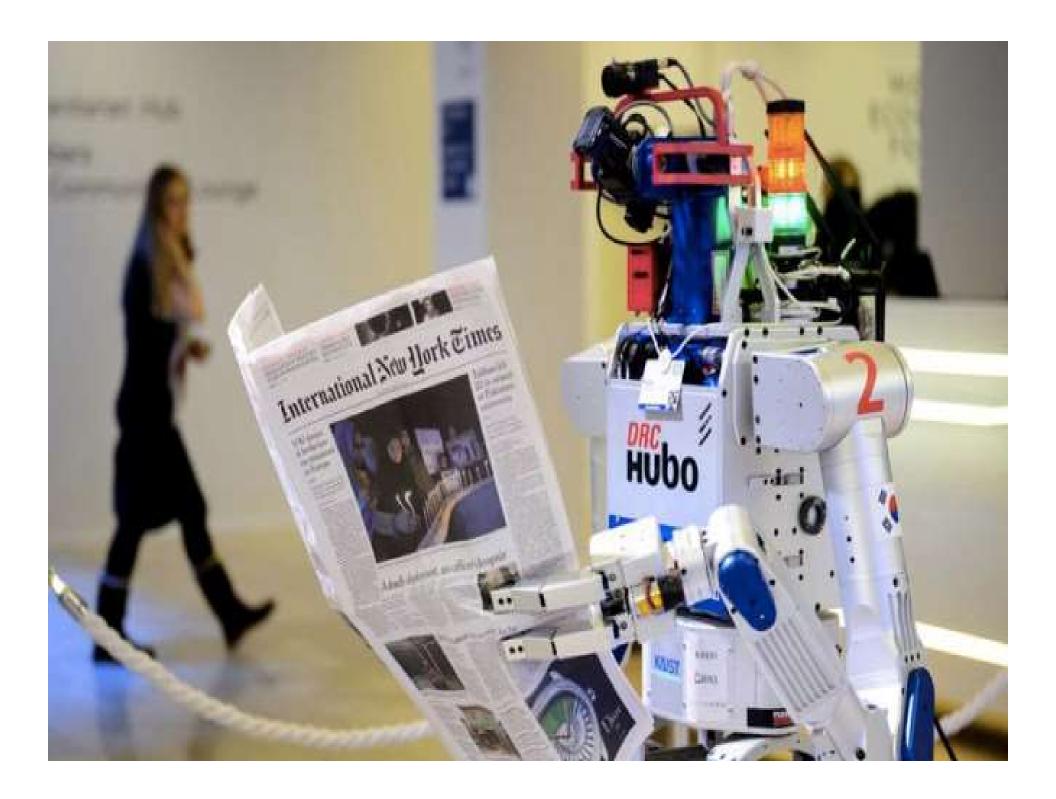
- Preparation of skilled professionals
- Knowledge generation, adaptation & diffusion
- Institutional development & capacity building
- Values & citizenship skills

Excellence and corruption in Colombia



University	Corruption ranking	Excellence ranking	Status
U Externado de Colombia	1	15	Private
U. Pontificia Javeriana	2	7	Private
U Los Andes	3	1	Private
U Santo Tómas	4	49	Private
U Nacional de Colombia	5	2	Public
U Libre	5	50-100	Private
U del Rosario	7	3	Private
U de Antioquia	8	6	Public
U del Norte	8	11	Private

SDGs	Preparation of Skilled Professionals	Knowledge Generation, Adaptation & Diffusion	Institutional Development & Capacity Building	Values & Citizenship Skills
1. Poverty Ended	X	X	X	x
2. Sustainable Agriculture to End Hunger	X	X	Х	
3. Healthy Lives	X	X	X	X
4. Inclusive & Equitable Quality Education	X	X	X	Х
5. Achieve Gender Equality	X		X	x
6. Water & Sanitation for All	X	X	X	Х
7. Sustainable Energy	X	X	X	
8. Inclusive & Sustainable Economic Growth	х	X	Х	
9. Resilient Infrastructure	X	X	X	
10. Reduced Inequality	X			Х
11. Sustainable Cities	X	X	X	x
12. Sustainable Consumption & Production		X		Х
13. Managed Climate Change		X	X	x
14. Sustainable Marine Resources	Х	X	Х	Х
15. Sustainable Use of Terrestrial Systems	X	X	X	Х
16. Peaceful & Inclusive Societies		X	X	X
17. Global Partnership for Sustainable Development			X	X



The future of jobs



- Jobs that disappear (700 professions)
- New jobs

Jobs that did not exist 10 years ago



- App developer
- Social media manager / YouTube content creator
- Digital risk manager
- Smart city / smart building architect
- Driver-less car engineer
- Cloud computing specialist
- Big data analyst
- Sustainability manager
- Drone operator

The future of jobs



- Jobs that disappear (700 professions)
- New jobs
- Jobs that are undergoing transformation (47%)

21st-Century Skills

Foundational Literacies

How students apply core skills to everyday tasks



1. Literacy



2. Numeracy



3. Scientific literacy



4. ICT literacy



Financial literacy



Cultural and civic literacy

Competencies

How students approach complex challenges



Critical thinking/ problem-solving



8. Creativity



9. Communication



10. Collaboration

Character Qualities

How students approach their changing environment



11. Curiosity



12. Initiative



13. Persistence/ grit



14. Adaptability



15. Leadership



16. Social and cultural awareness

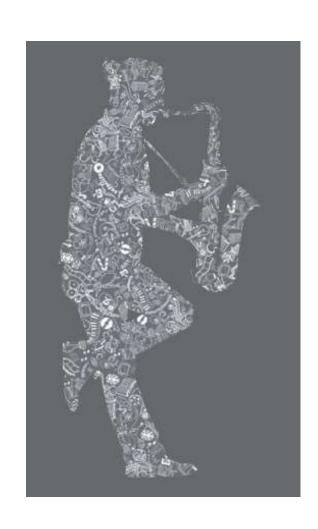
Lifelong Learning

Generic complex competencies LMI Global Tertiary Education Expert

- Information analysis, critical thinking & problem solving
- Global contextual analysis
- Teamwork / collaboration
- Communication
- Creativity

STEAM, no STEM





Meet my son Karim... JAMIL SALMI Global Tertiary Education Expert

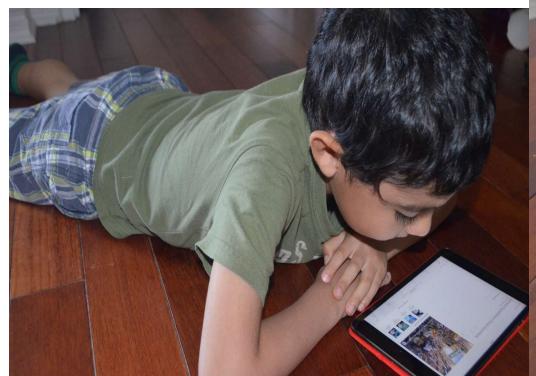
Character qualities

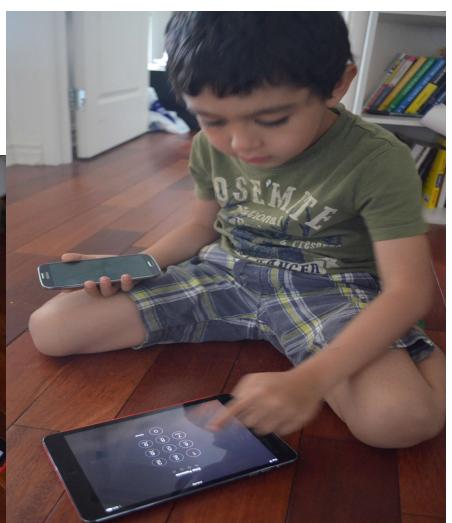


- Curiosity (motivation)
- Initiative (entrepreneurial thinking)
- Persistence / grit / resilience
- Adaptability
- Leadership
- Ethical awareness & reasoning (social, cultural & environmental dimensions)

Meet my grandson Emilio...







New educational approach



- Active
- Interactive
- Experiential

Curricular innovations

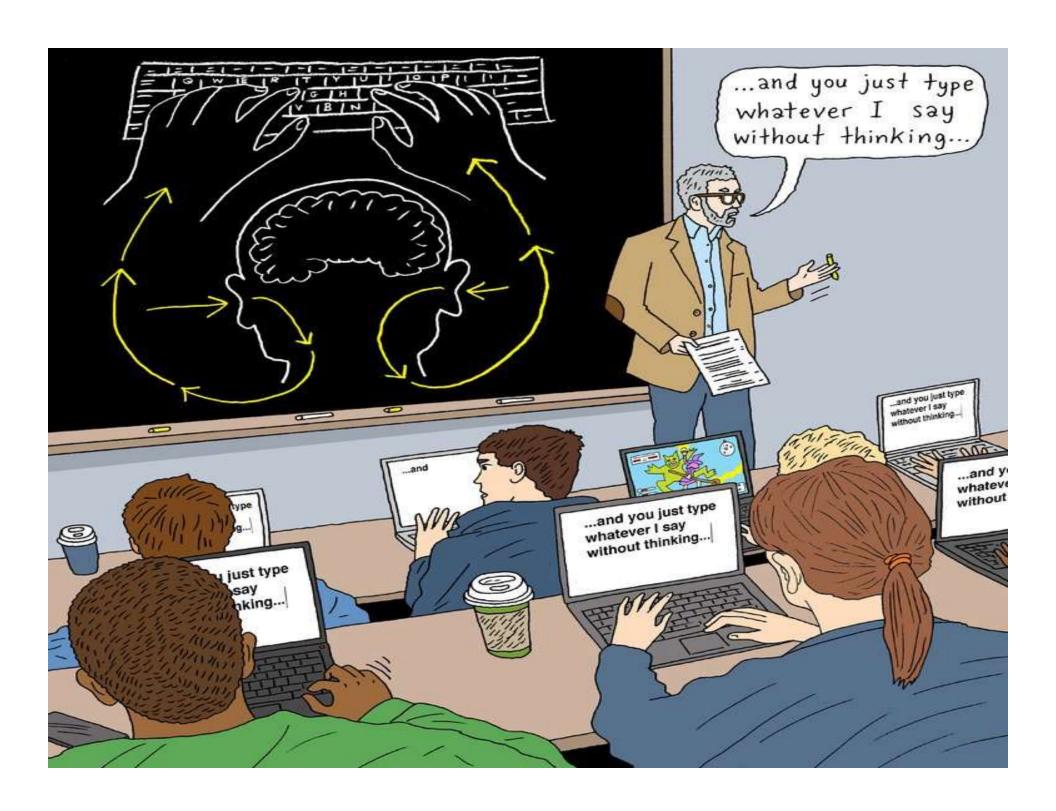


- Experiential learning (coop, service, simulations, role playing)
- Multi-disciplinary programs
- Competency-based learning
- Internationalization

Innovative pedagogical approaches

- Peer learning
 - Clickers / Flipped classroom
- Project and design based learning
 - Olin, Roskilde, Aalborg, Maastricht
 - Simulations
 - Serious games
- Self-learning using Al-based software





Learning is not a spectator sport





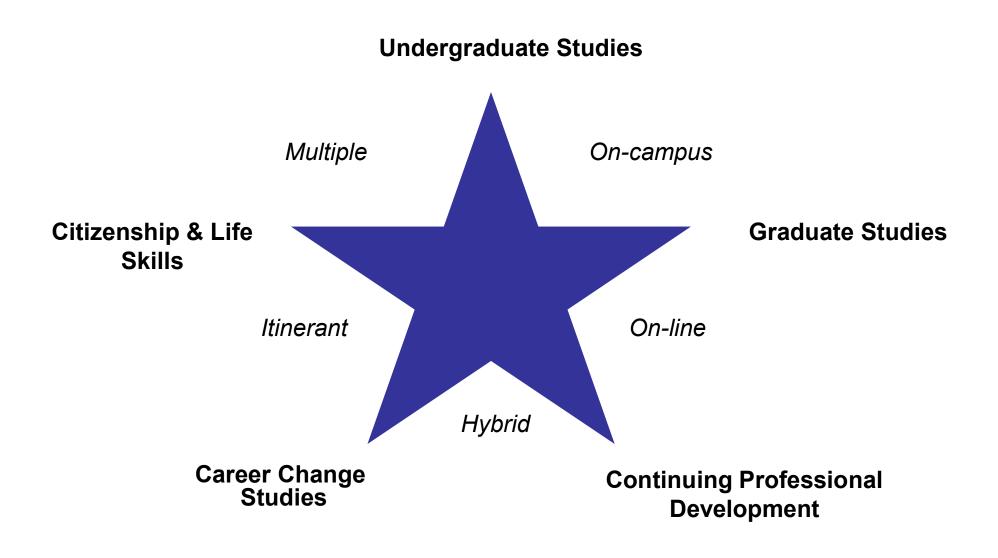
Assessment aligned with new JAMIL SALMI educational approach

- "Assessment = killer of learning"
- Aspiring Mind

Today

postgraduate studies first degree

university of the future?



THE SHANGHAI PRINCIPLES



- Ethics: strong emphasis on ethical values and behaviors (honesty, tolerance, solidarity)
- Objectivity: promoting critical thinking and fact finding
- Inclusiveness: academic excellence becoming more inclusive than exclusive
- Relevance: research to address global challenges
- Global Collaboration: WCUs act as a community cooperating for the global good