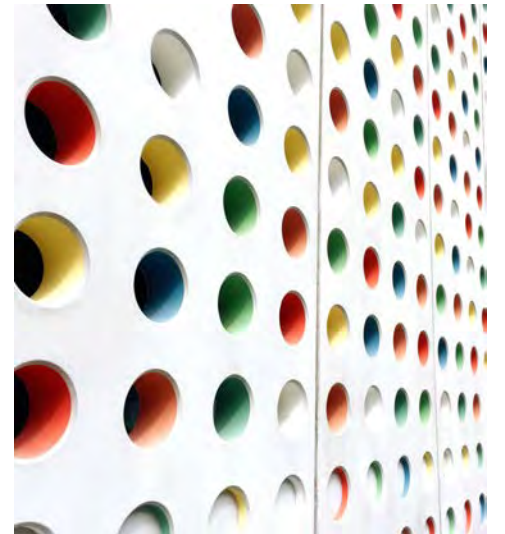


Teaching and Learning with AI ("Authenticity" and "Integrity")

2021 STADIO ACADEMIC
CONFERENCE

13-15 OCTOBER 2021

*STUDENTS AT THE CENTRE,
LEARNING AT THE CORE*



STADIO's RESPONSE TO THE SCARCE SKILLS GAP IDENTIFIED BY DHA

	PG	Degree	Diploma	HC
Actuary				
Advertising Specialist				
Aeronautical Engineer				
Agricultural Farm Manager				
Application Development Manager		X	X	X
Architect/Draughtsperson	X	X		X
Chief Information Officer				
Civil Engineer				
Data Scientist	X			
Digital Artist		X	X	
Dockmaster				
FET College Principal	X	X		X
Fraud Examiner	X			
General Accountant		X		X
General Medical Practitioner				

	PG	Degree	Diploma	HC
Geologist				
Geophysicist				
Hydrologist				
ICT Project Manager		X		
ICT Security Specialist				
ICT Systems Analyst		X		X
Industrial Engineer				
Internal Auditor				
Investment Advisor		X		
Manufacturer				
Mechanical Engineer				
Multimedia Designer		X	X	
Network Analyst		X		X
Quantity Surveyor				
Registered Nurse				
Web Developer		X		X

THE PROS OF TERTIARY EDUCATION

- *“A university education helps expand horizons, and that in addition to gaining discipline knowledge, the university experience helps young people transition into adulthood.”*
- *“It increases one’s prospects of getting a job, and your earnings are likely to be higher with a degree.”*
- *“University is an experience that changes your perception of things, widens your outlook, and builds confidence.”*
- *“It offers a unique life experience that you cannot get elsewhere, which is good for personal development and serves as a rite of passage into the workplace.”*

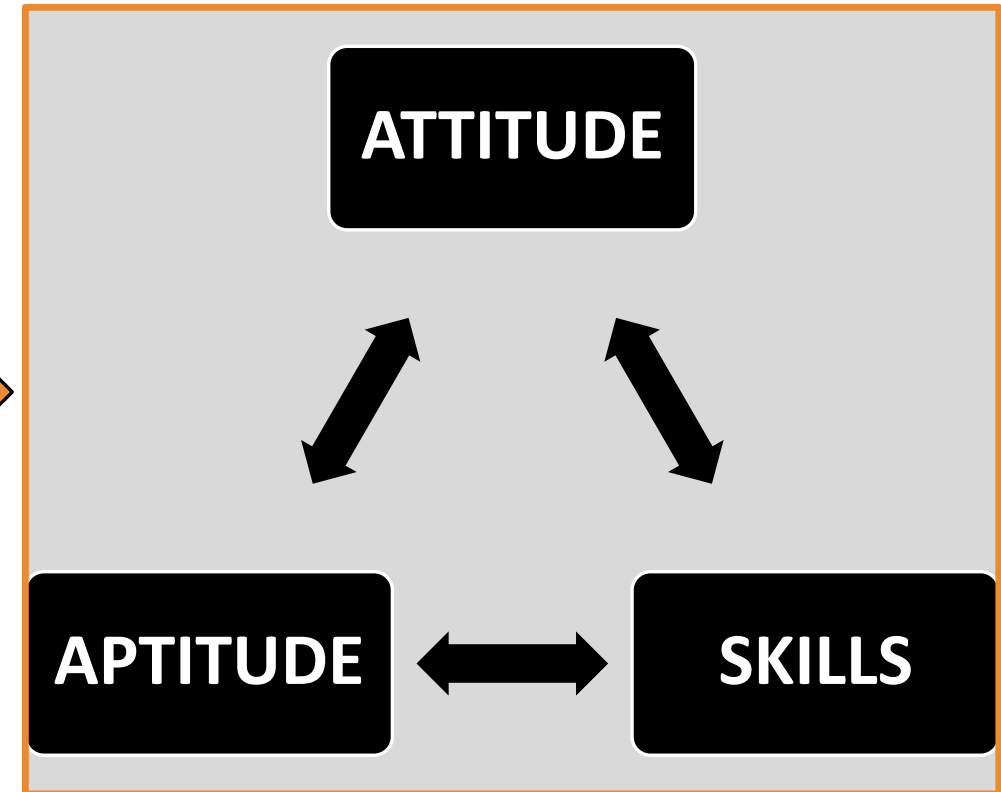
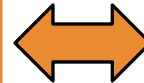
“Higher education has given ample proof of its ability to induce change and progress in society. Today, higher education is confronted with formidable challenges and must proceed to the most radical change and renewal it has ever been required to undertake so that our society, which is currently undergoing a profound crisis of values, can transcend mere economic considerations and incorporate deeper dimensions of morality and spirituality.”

World Declaration on Higher Education for the 21st Century (1996)

EXPECTATIONS FROM TERTIARY EDUCATION

CHE RELATE PROJECT “Re-Imagining Learning and Teaching”

The **VALUE** of education is about teaching people the knowledge and skills of their chosen discipline or profession ... but its **WORTH** lies in also coaching them to become critical thinkers, with a view of others rather than just the self.




THE CONS OF TERTIARY EDUCATION

- *“Having a degree was no guarantee of that one will find a job, and that in many cases employers sought real life work experience over a paper qualification.”*
- *“University is not for everyone, yet it seems that everyone is encouraged to attend.”*
- *“Graduates exit saddled with debt without the guarantee of getting a job.”*

Find a way to be a catalyst for positive change – Zozibini Tunzi

TECHNOLOGY AND AI IN LEARNING AND TEACHING



Marchand and Guttierrez examined the role of emotion in the learning process and compared online and face-to-face learning settings amongst graduate students. Their results demonstrated that online learning students tend to face greater levels of anxiety and frustration which could be alleviated in a face-to-face environment.

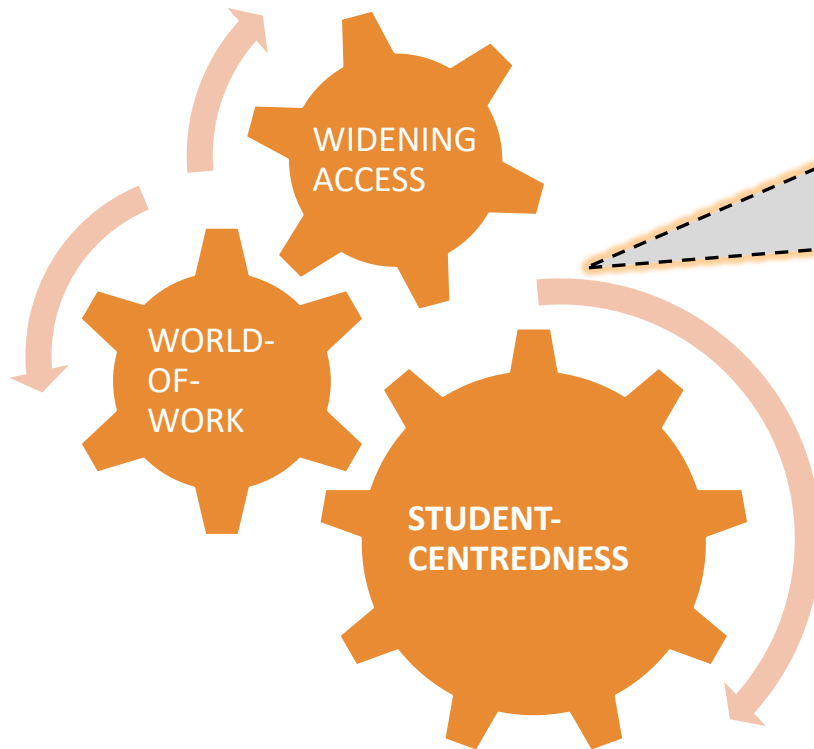
Esani documents the lack of social presence in the online learning community which, he argues, sacrifices education quality even though it may be more efficient.

Singh examined the likelihood of autonomous robot teachers in the classroom, concluding that robots are unlikely to replace human teachers soon.

Frey and Osborne, emphasizing the elements of deeper learning: While sophisticated algorithms and developments in MR, building upon with big data, now allow many non-routine tasks to be automated, occupations that involve complex perception and manipulation tasks, creative intelligence tasks, and social intelligence tasks are unlikely to be substituted by computer capital over the next decade or two.

Singh and Singh: Today, there is neither the will nor the proven reason to stop the tsunami of technology. However, one of the most significant risks of the Fourth Industrial Revolution is for persons to become sucked into the hype and excitement and, fearful of being left behind, inadvertently further propagating and entrenching stereotypes and current inequalities.

MISSION



"My plan for STADIO - WWS"

