

But why is the reaction negative?

Retrenched **Retrenchment** is negative, in your face bad news, sensational and clearly linked to 4IR.

NEW JOBS! **New Jobs** are not always directly linked to 4IR and do not happen at the same time and place as retrenchments.

"You can't protect jobs. It is just the wrong approach. We can protect people and that is what we must focus on."

"The Future of Jobs" report World Economic Forum

There will be more jobs – and they will be more attractive

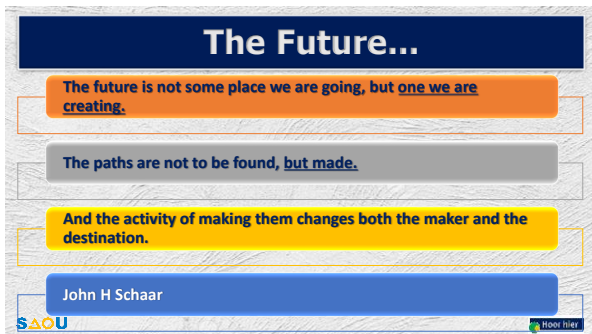
Tasks will be more diverse and challenging

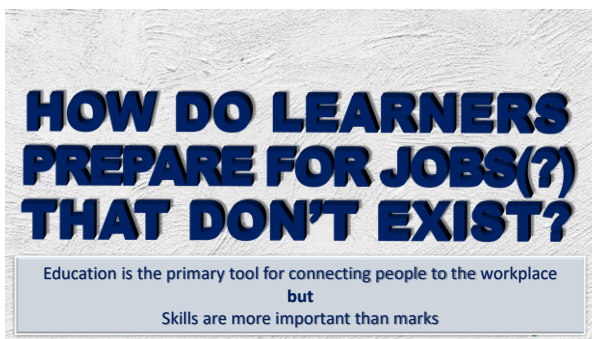
A higher emphasis on creativity, problem-solving and interpersonal communications skills...

data analytics, artificial intelligence, software and application development

SAOU **Zoom**







?

- 1 Studied Computer Science**
- 2 Worked at Wall Street & as an Investor**
- 3 e-Commerce: Started Amazon.com in 1994**
- 4 Entrepreneur: Owner of Amazon & Washington Post**

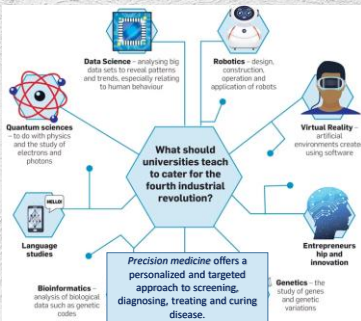


Let us learn from the Egyptians/Maths



Any career:
The
broader your
base, the
higher you
can go!

Recommended Studies



What should universities teach to cater for the fourth industrial revolution?

- Data Science** - analysing big data sets to reveal patterns and trends, especially relating to human behaviour
- Robotics** - design, construction, operation and application of robots
- Virtual Reality** - artificial environments created using software
- Entrepreneurs** - hip and innovation
- Genetics** - the study of genes and genetic variations
- Precision medicine** offers a personalized and targeted approach to screening, diagnosing, treating and curing disease.
- Bioinformatics** - analysis of biological data such as genetic codes
- Language studies**
- Quantum sciences** - to do with physics and the study of electrons and photons

All careers are affected by the 4IR

Students should be more futuristic!

Source:
Zebion Vilakazi









Employees


- Lifelong:** Learning is the future of work
- Reskilling:** ±50% workers - ± year
- Involved** in Changing the Workplace:
Teams should consistently Innovate
- More flexible & new ways of work**
- Careers** more fluid and
diverse & less linear:
Entrepreneurial & Freelancing



EMPLOYERS

Stimulate and use the creative business minds at your disposal.

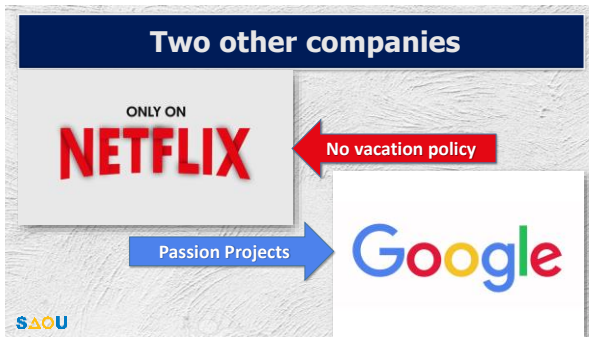
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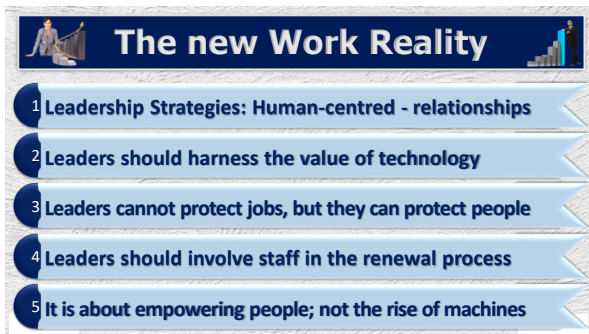


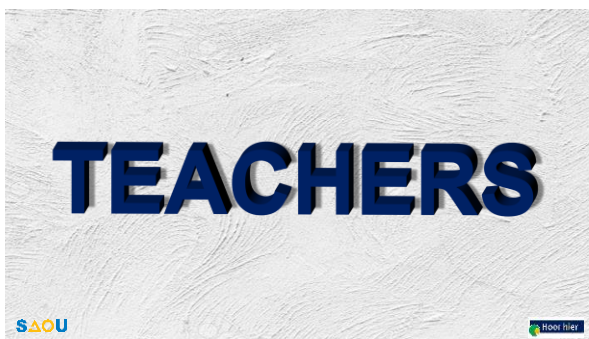
SIEMENS
Ingenuity for Life

in response to Covid-19

- 1 New Corporate Culture:** Work from anywhere 2/3 days/week
- 2 New Leadership Style:** Focus on results; not hours at the office
- 3 New Leadership Style:** Trust employees (communication, guidelines, etc)
- 4 New Leadership Style:** Empower employees (coaching, training, etc)







The role of the teacher



Be the giant
on whose
shoulders the
learners can
stand
to explore new
horizons.

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Teachers: What about us?

**Teachers will not be replaced by technology,
but teachers who don't use technology
will be replaced by those who do.**

Sheryl Nussbaum-Beach

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Thank you

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