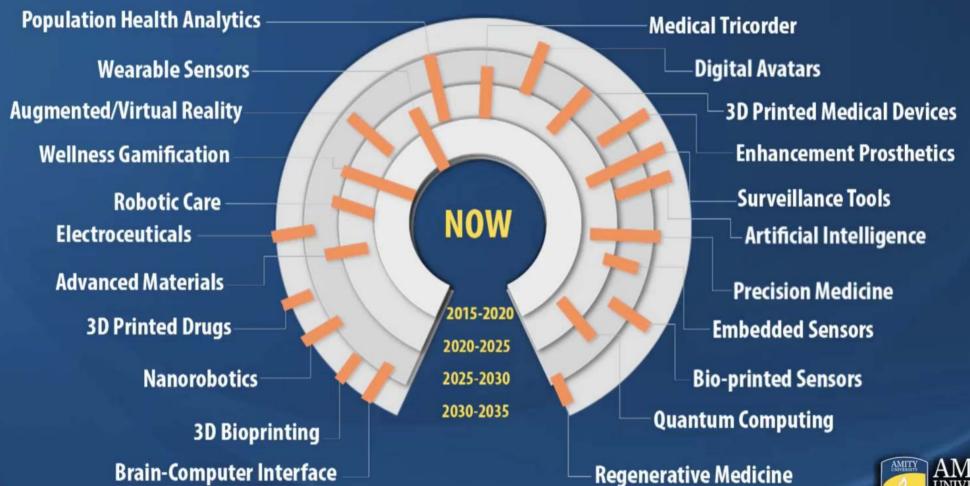


TECHNOLOGY LANDSCAPE - PAST, CURRENT & FUTURE





FUTURE WORK SKILLS 2020

KEY



Drivers - disruptive shifts that will reshape the workforce landscape



Key skill needed in the future workforce





Cross cultural competency

Design mindset

Sensemaking

Social intelligence

Transdisciplinarily

Cognitive load management

Computational thinking

Virtual collaboration

RISE OF SMART MACHINES AND SYSTEMS

Workplace robotics nudge human workers out of rote, repetitive tasks

EXTREME LONGEVITY

Increasing global lifespans change the nature of careers and learning

COMPUTATIONAL WORLD

Massive increase in sensors and processing power make the world a programmable system

SUPERSTRUCTURED **ORGANIZATIONS**

Social technologies drive new forms of production and value creation

NEW MEDIA ECOLOGY

New communication tools require new media literacies beyond text

GLOBALLY-**CONNECTED WORLD**

Increased global interconnectivity puts diversity and adaptability at the center of organizational operations

While all six drivers are important in shaping the landscape in which each skill emerges, the color-coding and placement here indicate which drivers have particular relevance to the development of each of the skills.



12 DISRUPTIVE TECHNOLOGIES

that can make an impact by



0 1 2 3 4 3 0 7 8 9

Mobile Internet

Automation of knowledge work



Internet of Things

Cloud

Advanced robotics

Autonomous and near-autonomous vehicles



Next-generation genomics

Energy storage

-3-D printing

Advanced materials

Advanced oil and gas exploration and recovery

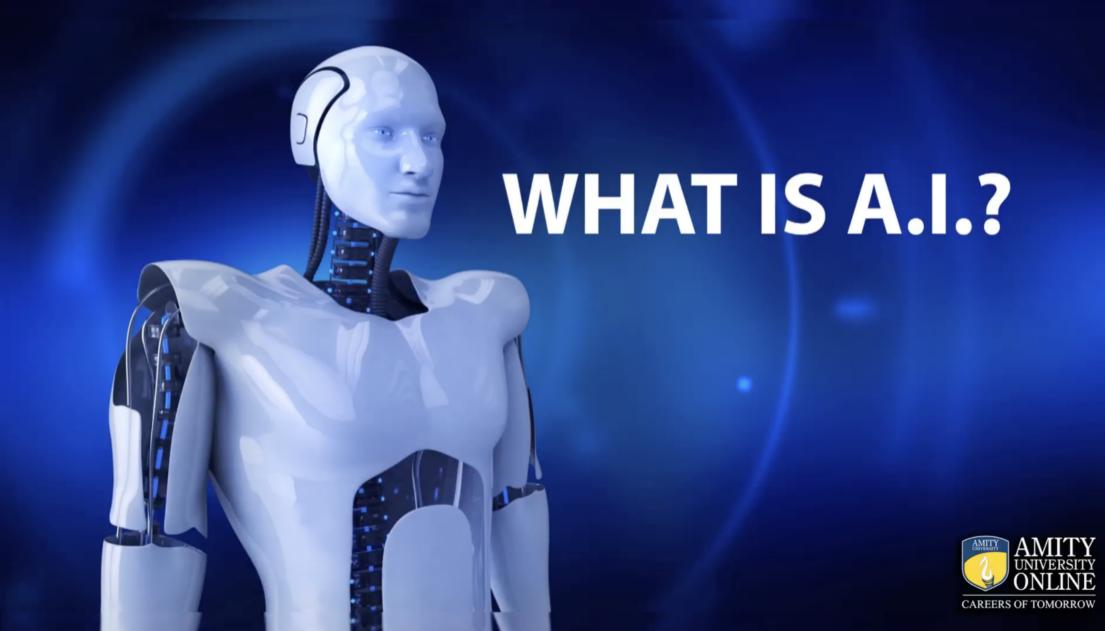
Renewable energy



\$100 trillion

Size of global economic output estimated in 2025





Astonishing Feat - AlphaGo



ASTONISHING FEAT

Following claim was made in New York Times — 1997

"It may be a hundred years before a computer beats humans at Go
—maybe even longer,"
- Piet hut, an astrophysicist

- Prediction Computer would beat Go player in 2097
- Actual Computer beat Go player 100 years earlier

