

May 21, 2019 | PASET Forum

Moving Skills Forward for 4IR

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Head Udemy for Government

The Fourth Industrial Revolution (4IR) is coming

It brings...

- Exciting possibilities, new solutions to global challenges
- Digital, physical and biological systems in a way never seen before
- VR, AR, AI and robotics are changing the way that we live and work



The rate of technological advances signify a significant shift in learning

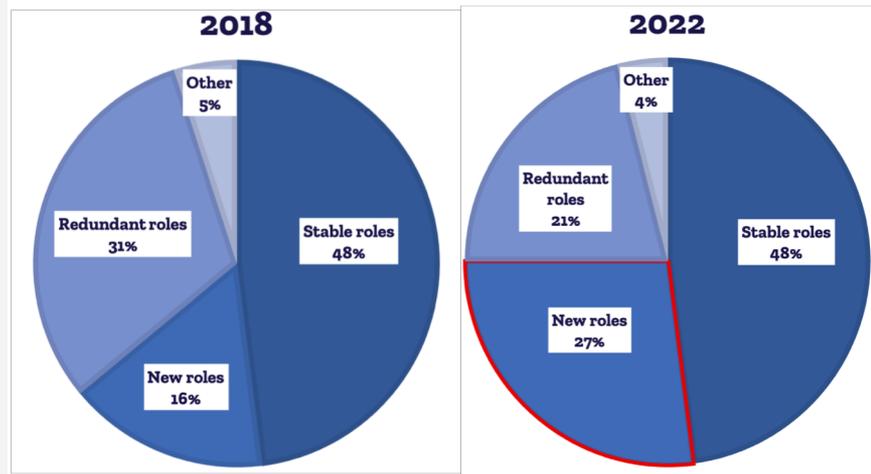
50+
Years

Average length of a 21st-century career

5
Years

Half-life of a newly learned skill

2018 Future of Jobs Survey
World Economic Forum





“The big challenge we’re looking at in the next few years is not mass unemployment, but mass redeployment.”



— McKinsey Global Institute

Skills are the new currency to the global economy.

It's an opportunity. The future of work is knocking on the door of HR and L&D teams

54%

of all employees will require significant re- and upskilling by 2022*



1 in 4 employees report a skills mismatch with the current job they have now**

5

generations in the workplace

*Source: World Economic Forum Future of Jobs 2018

**Source: World Economic Forum Accelerating Workforce Reskilling for the 4th Industrial Revolution

Learning professionals must invest in their employees and play a more strategic role to impact the future of work.

Dynamic content model



Learner-first approach



Strategic learning partner



Demonstrate strong ROI



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Thus, preparing for 4IR and
digital economy begins
with...

Education



For Africa to thrive in the 4IR, we need a learning movement

Challenges faced by Sub-Saharan Africa (SSA)

- Enrolment ratio is less than 5% in formal TVET, and 10% in tertiary education
- University staff with PHDS is less than 30%
- No university in top 500 universities of the world
- Quality, breadth and freshness of content
- Huge youth unemployment rate and a growing youth population

It is time to rethink and transform
educational systems across the continent



Our Mission:

To help people do
whatever comes next

Udemy helps organizations achieve this mission through the world's largest learning marketplace



42K

100K

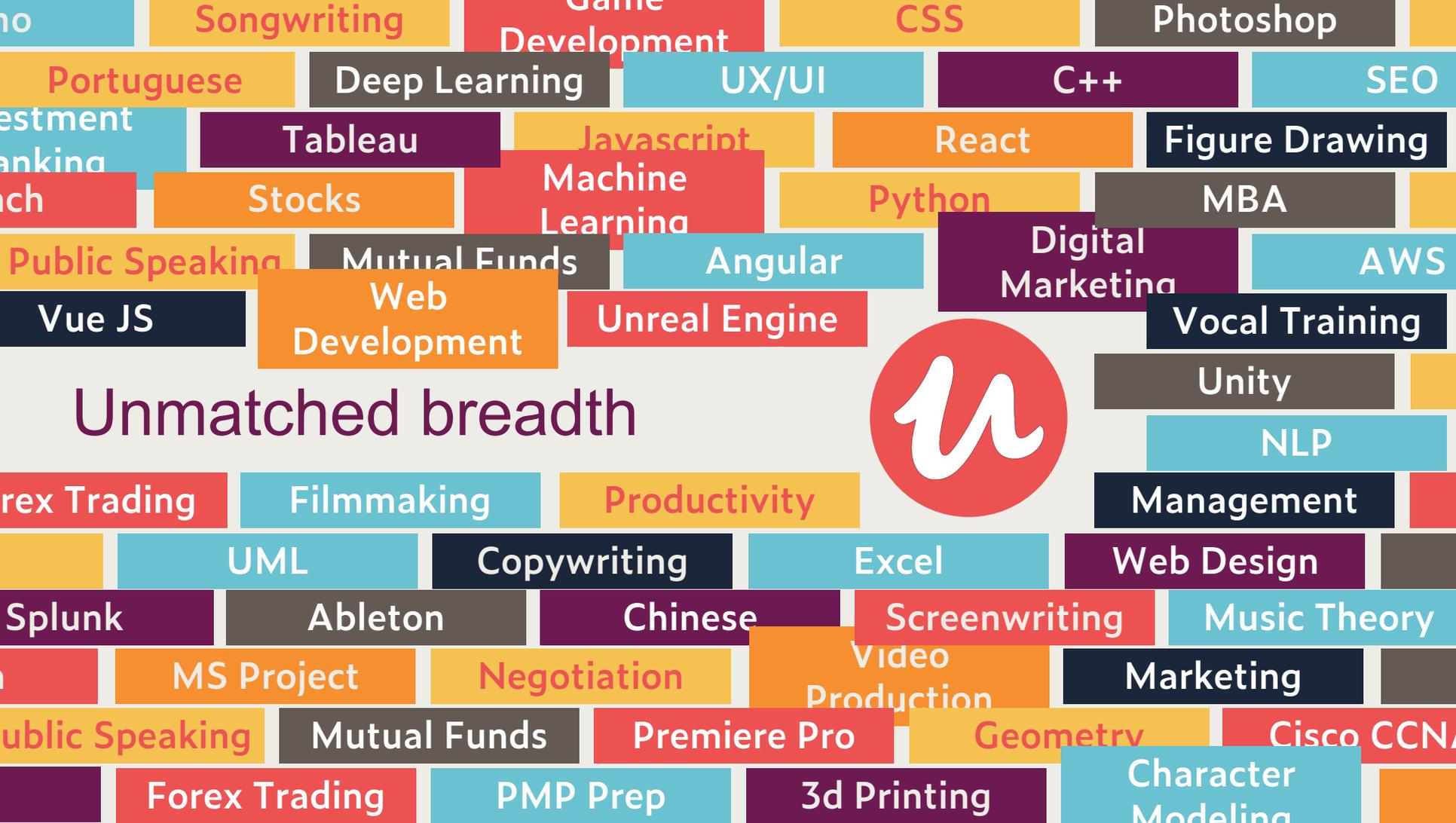
Instructors

Courses

30M

Learners

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Unmatched breadth

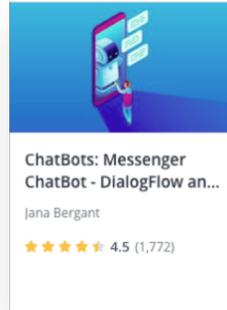


no Songwriting Game Development CSS Photoshop
Portuguese Deep Learning UX/UI C++ SEO
Investment Banking Tableau Javascript React Figure Drawing
Tech Stocks Machine Learning Python MBA
Public Speaking Mutual Funds Angular Digital Marketing AWS
Vue JS Web Development Unreal Engine Vocal Training
Unity
NLP
Forex Trading Filmmaking Productivity Management
UML Copywriting Excel Web Design
Splunk Ableton Chinese Screenwriting Music Theory
MS Project Negotiation Video Production Marketing
Public Speaking Mutual Funds Premiere Pro Geometry Cisco CCNA
Forex Trading PMP Prep 3d Printing Character Modeling

Course freshness: first to market

Gain competitive advantage

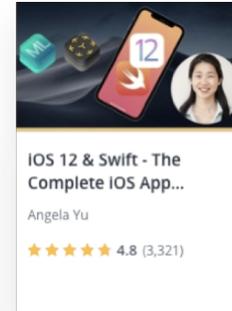
Real world experts creating compelling content at the speed of market change



ChatBots

Added May 2017

Mainstream 2018



iOS 12

Added Oct 2018

6 weeks before release



Angular 7

Added Oct 2018

1 hour after release



ITIL 4

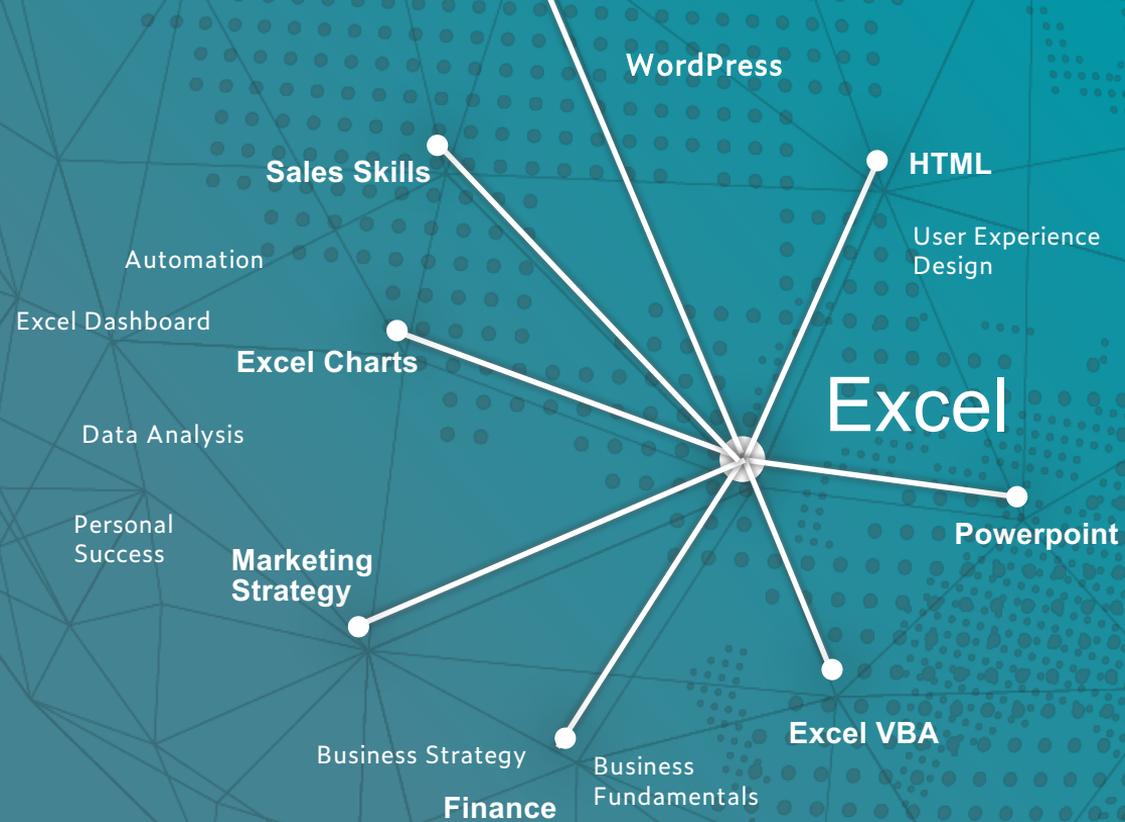
Added Feb 2019

1 week before release

Each individual topic or skill is related to other topics and skills, ultimately creating billions of topic and skill relationships

All of this data allows us to:

- **Deliver personalized learning recommendations**
- **Help employees successfully navigate a growing pot of changing skills**



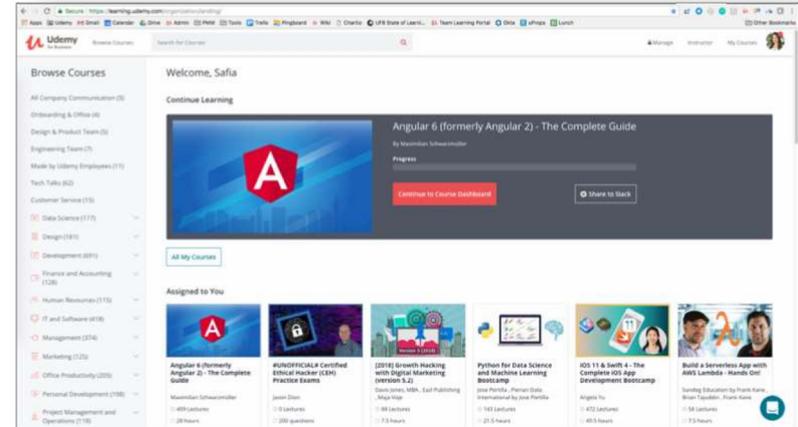
Driving Innovation with Udemy for Government (UFG)

We curate the freshest, highest quality courses for Udemy for Government to help your continuous learning



100K
Courses

30M
Learners



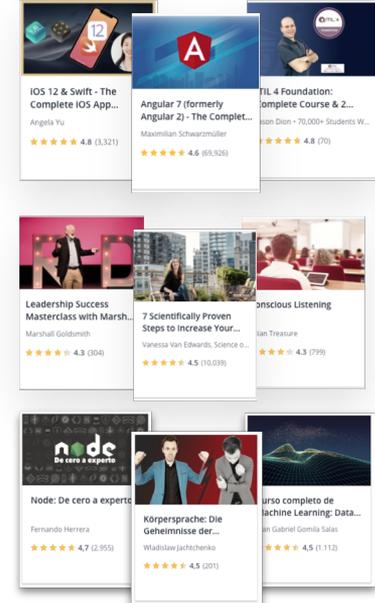
3,000 high-quality courses vetted by our team

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Improve skills holistically to increase productivity

	<h2>Technology Skills</h2> <p>Data Science, Cloud Computing, Development</p>	<ul style="list-style-type: none">• Courses on the latest tech skills• Industry-leading coverage across critical Certifications• Reinforce learning with practice tests, quizzes and assignments
	<h2>Business Skills</h2> <p>Leadership, Management, Communication</p>	<ul style="list-style-type: none">• Skills to support workplace trends and digital transformation• Specialized professional skills to drive your business forward• Courses taught by award-winning thought leaders
	<h2>International Courses</h2> <p>Spanish and German Collections</p>	<ul style="list-style-type: none">• Empower your global workforce with international courses• High quality courses taught by native-speaking expert instructors



Provide “Curated Maps” for particular topics and “Micro learning” for specific knowledge

Digital Transformation

Core Topics	Course Title
Machine Learning	Data Science and Machine Learning Bootcamp with R A Beginner's Guide To Machine Learning with Unity Feature Engineering for Machine Learning
Big Data	The Ultimate Hands-On Hadoop - Tame your Big Data! Apache Kafka Series - Learn Apache Kafka for Beginners v2 Data Analysis with Pandas and Python
Internet of Things	Tech Explorations™ Raspberry Pi Full Stack Raspbian Tech Explorations™ Arduino: Make an IoT environment monitor Build your own GPS tracking system-Raspberry Pi Zero W 2019

Leadership Essentials

Core Topics	Course Title
Emotional Intelligence	Emotional Intelligence at Work: Learn from Your Emotions Decision Making: Solve Problems with Emotional Intelligence Understanding and developing Emotional Intelligence
Authentic Leadership	The Essential Guide for Effective Managers Leadership Masterclass The Soul of Leadership with Deepak Chopra
Building Power and Influence	7 Scientifically Proven Steps to Increase Your Influence Leadership: How to Influence, Inspire and Impact as a Leader Master Persuasion Psychology

Micro learning example: “Leadership How to Influence, Inspire and Impact as a Leader”

Course content	Expand all	57 lectures	01:31:06
- Leadership			20:21
<ul style="list-style-type: none"> The Difference Between Traits And Behaviors 	Preview		01:47
<ul style="list-style-type: none"> Leadership Styles 			02:29
<ul style="list-style-type: none"> Situational Leadership 			02:36
<ul style="list-style-type: none"> Path-Goal Theory Of Leadership 			01:32
<ul style="list-style-type: none"> Contingency Model 			01:34
<ul style="list-style-type: none"> Servant Leadership 			02:28
<ul style="list-style-type: none"> Transactional VS Transformative Leadership 			01:47



Udemy **soft skills** collection provides the freshest, highest quality courses to support workplace trends and digital transformation, and drive innovation

Our soft skills collection includes over **550+ courses** taught by **280 subject matter experts** spanning **1,800+ hours** on critical skills:

Leadership

Management

Communications

Strategy

**Personal
Development**

**Stress
Management**

We're bringing the freshest, highest quality, up-to-date **Certification content**

Our Certification collection within UFG includes over **182 courses** taught by **65 subject matter experts** spanning **1,705 hours** on critical certification skills (our Marketplace has **13.6K** test prep courses):

Amazon Web Services

(Developer - Associate, Solutions Architect)

Cisco

(CCNA, CCENT, CCNP)

ITIL

(ITIL Foundation)

Salesforce

(Certified Admin, Platform Developer)

Microsoft Azure

(AZ-103, AZ-200, AZ-300)

CompTIA

(A+, Network+, Security+, CySA+)

ISTQB

(Foundation CTFL)

Project Management

(PMP, PMI, PRINCE2)

**It's time to stop asking about completion rates.
Udemy has changed the way of assessing learning outcome!**

Case Study - Udemy & Singapore since 2015

- Udemy is a main partner of the SkillsFuture Singapore (SSG) which oversees the SkillsFuture Credit (SFC) voucher program to all citizens, since inception.
- In addition, Udemy for Government is working with the Civil Service College of Singapore, to provide online learning to public service offers in order to upskill and stay relevant to serve the public well.

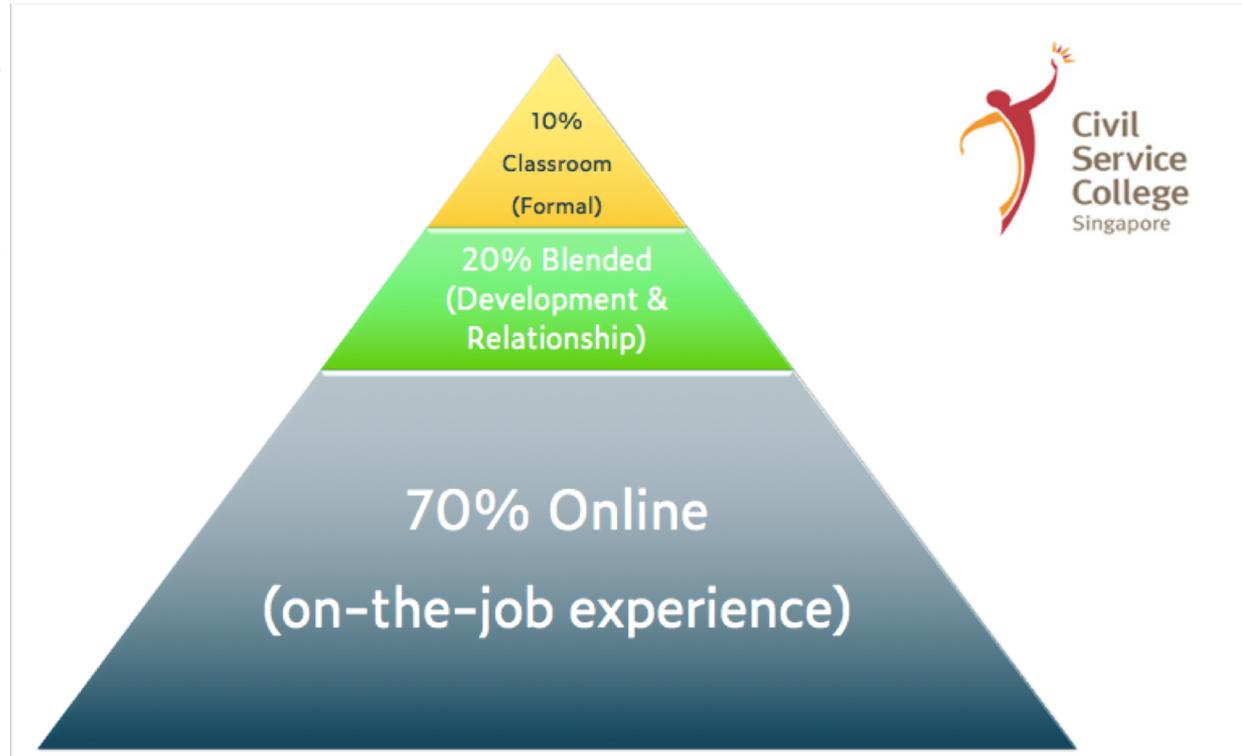


“Investing in our people and their growth is of utmost importance. Partnering with Udemy to provide our public officers with the curated courses they need to upskill and reach their career goals is a great complement to our existing offerings and a great way to help transform CSC for the future.”
Ong Toon Hui, Dean and CEO, CSC

Case Study - Singapore's Model

The Civil Service College (CSC) Singapore is a statutory board under the Public Service Division with a mission to develop people for a first-class public service. At the forefront of learning and development, leads the way in bringing digital learning to the entire Singapore public service.

www.csc.gov.sg



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Thank you!

