



Developing the Workforce of the Future

Nikhil Sinha

coursera

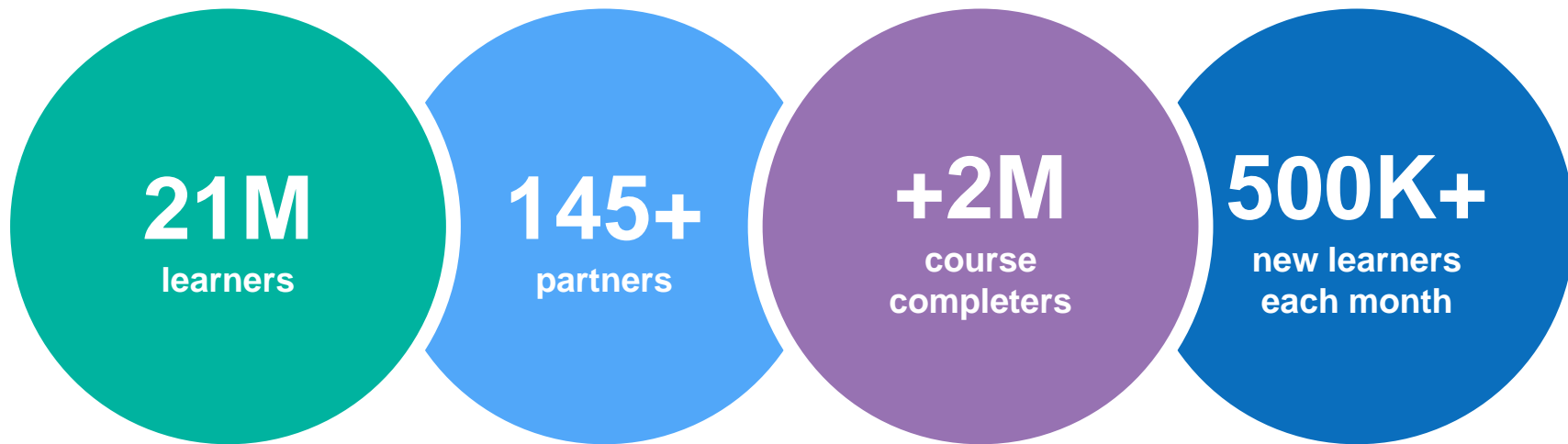
4 years ago, a Stanford lecture hall of
400...

became a global classroom of
100,000...

Today, that global community numbers
21,000,000 learners on Coursera

We envision a world where anyone,
anywhere
can transform their life
by accessing the world's best
learning experience.

Coursera Global Reach



Why This Matters: Global Skills Gap . . .

New Job Requirements



65% of
tomorrow's jobs
don't exist today

Quality Education Shortage



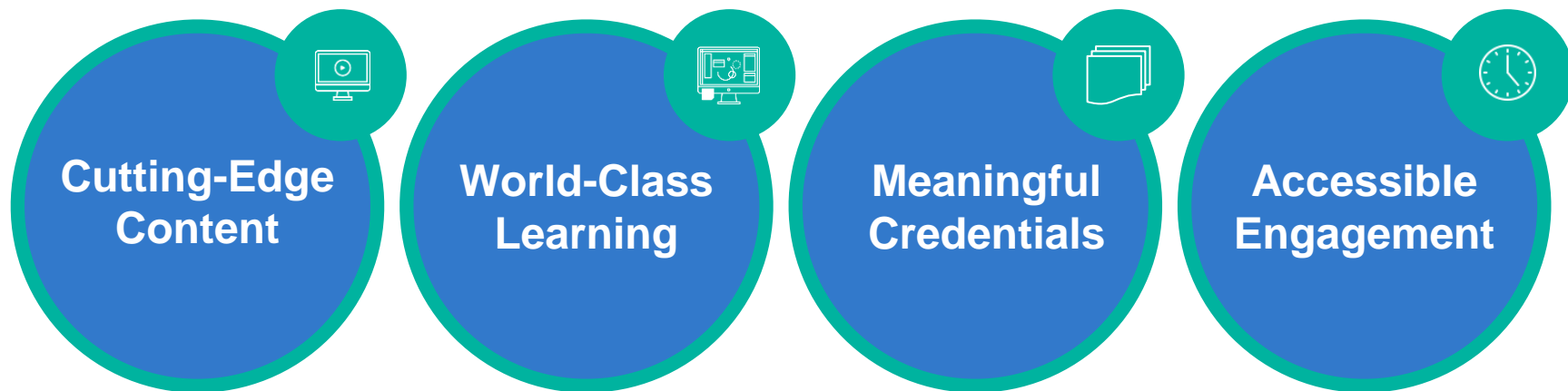
38-40M more
educated workers
needed by 2020

Job Mobility

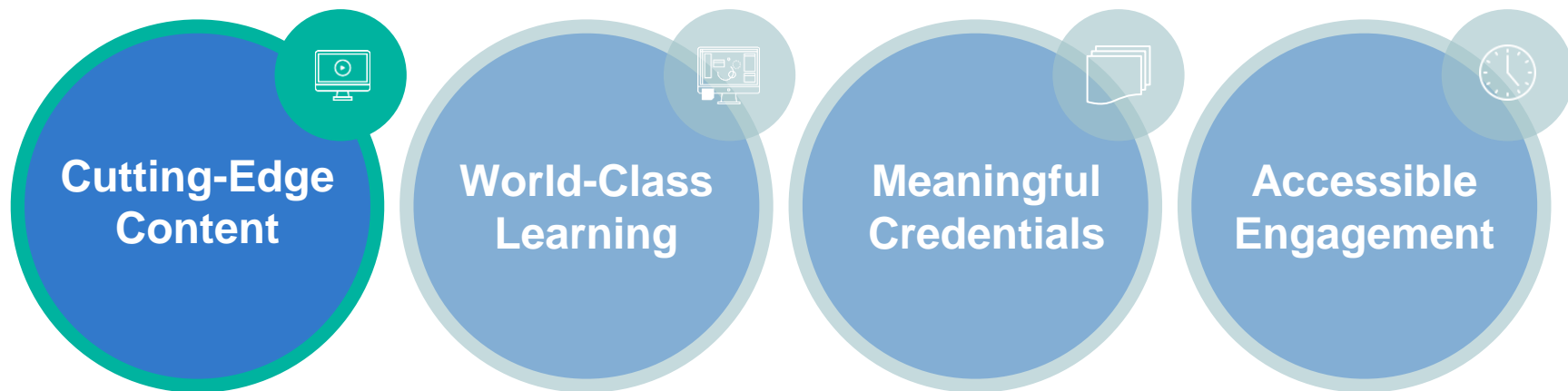


Millennials will
have **13+** jobs in
their lifetime

Our Approach



Our Approach



Top instruction from 145+ universities...

... and now from industry.



1200+ courses and 100+ Specializations



Data Science

9-course Specialization · Johns Hopkins University



Excel to MySQL: Analytic Techniques for Business

4-course Specialization · Duke University



Big Data

5-course Specialization · University of California, San Diego



Business Analytics

4-course Specialization · University of Pennsylvania



Executive Data Science

4-course Specialization · Johns Hopkins University



Geographic Information Systems (GIS)

4-course Specialization · University of California, Davis



Data Structures and Algorithms

5-course Specialization · University of California, San Diego, Higher School of Economics



Statistics with R

4-course Specialization · Duke University



Data Analysis and Presentation Skills: the PwC Approach

4-course Specialization · PwC

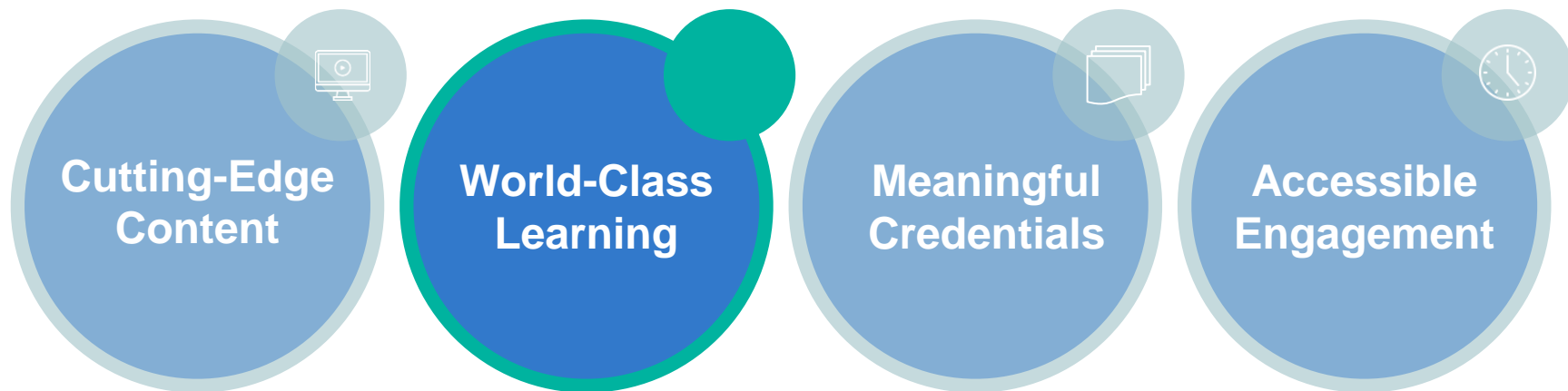


Data Warehousing for Business Intelligence

4-course Specialization · University of Colorado System

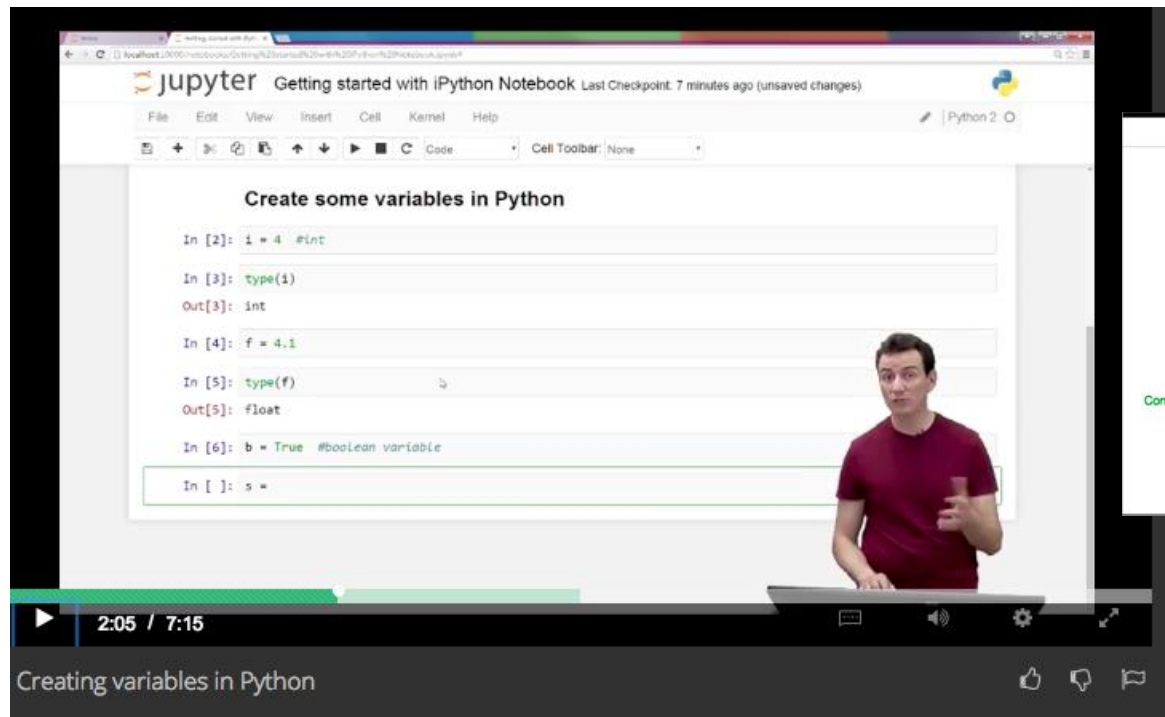
[illegible]

Our Approach



Videos made for online consumption

5-10 min videos with quizzes
to increase retention & engagement



jupyter Getting started with IPython Notebook Last Checkpoint: 7 minutes ago (unsaved changes)

File Edit View Insert Cell Kernel Help Python 2

Cell Toolbar: None

Create some variables in Python

```
In [2]: i = 4 #int
Out[2]: 4

In [3]: type(i)
Out[3]: int

In [4]: f = 4.1
Out[4]: 4.1

In [5]: type(f)
Out[5]: float

In [6]: b = True #boolean variable
Out[6]: True

In [ ]: s =
```

2:05 / 7:15

Creating variables in Python

B / Pic Edit: Rich

Which of the following statements is true about women who leave STEM fields in university?
On average, they earn...

☐ lower grades than men in their STEM courses

If the decision to change majors was completely based in facts, we would expect this to be true. However, college students rarely have a clear picture of how well they are doing compared to their peers. This lack of knowledge likely contributes to women's decisions to leave STEM majors even when they are doing as well as their male peers.

Correct ☒ higher grades than men in their STEM courses

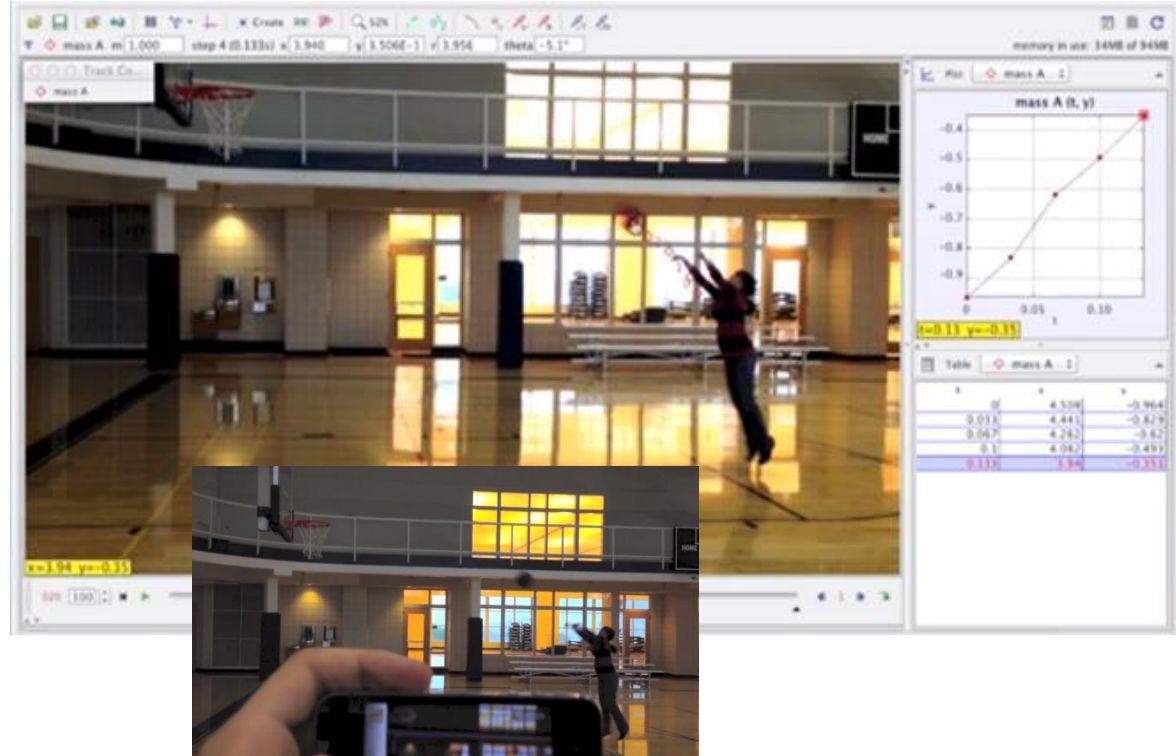
On average, women who leave STEM majors in college actually earn higher grades in their STEM courses than men taking STEM courses. There are a number of factors which contribute to this, but the misconception that having to work hard in these courses means one isn't "good" at this field is a major contributor.

Innovative, hands-on assignments

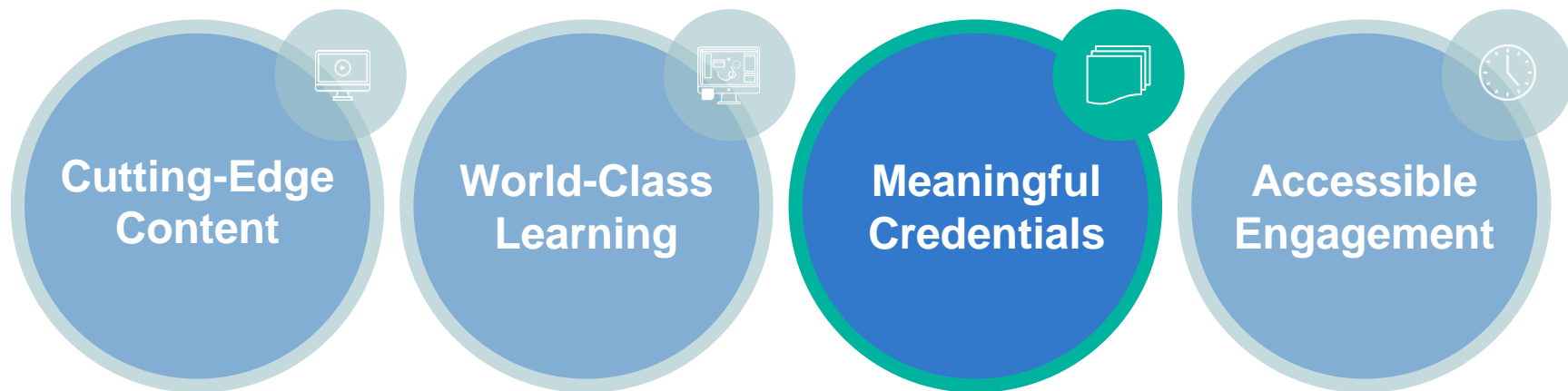


Dr. Michael F. Schatz

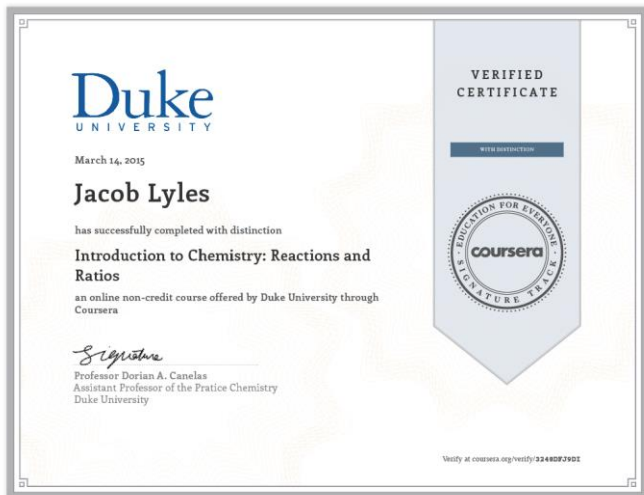
Professor
School of Physics
Georgia Institute of Technology



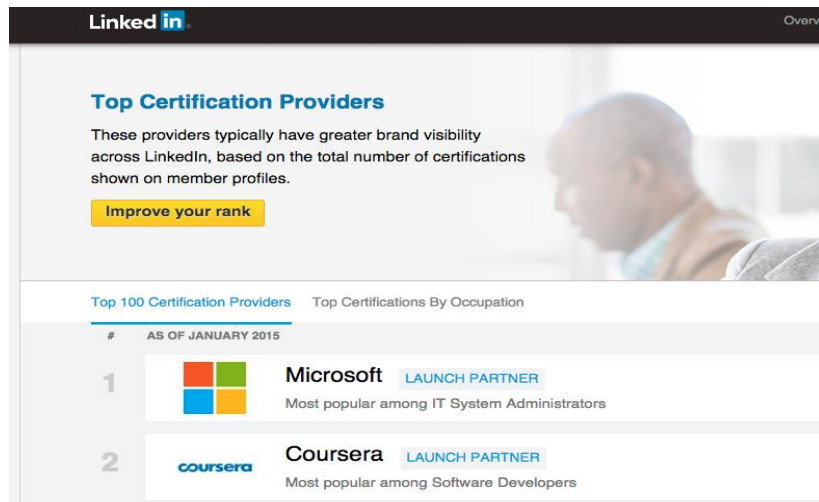
Our Approach



Shareable Certificates



75% of employers will recognize MOOCs for hiring decisions



2nd Most Popular Certificate on LinkedIn, after Microsoft

Tangible Impact

*As featured in **Harvard Business Review***



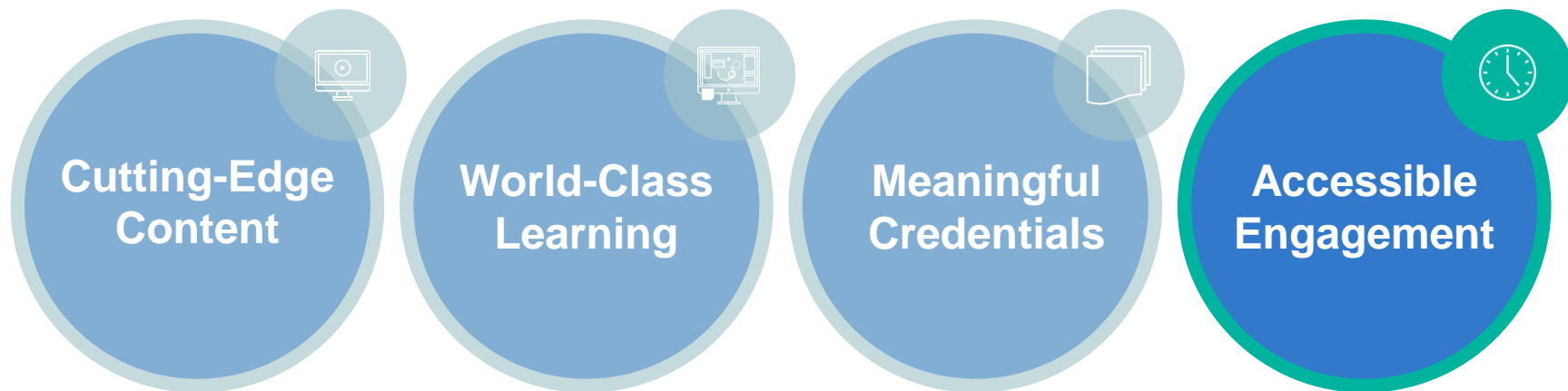
90%

of career builders earning Certificates attribute a **career benefit** to Coursera

37%

reported a **tangible career benefit** such as receiving a promotion, new job, pay increase or starting their own business

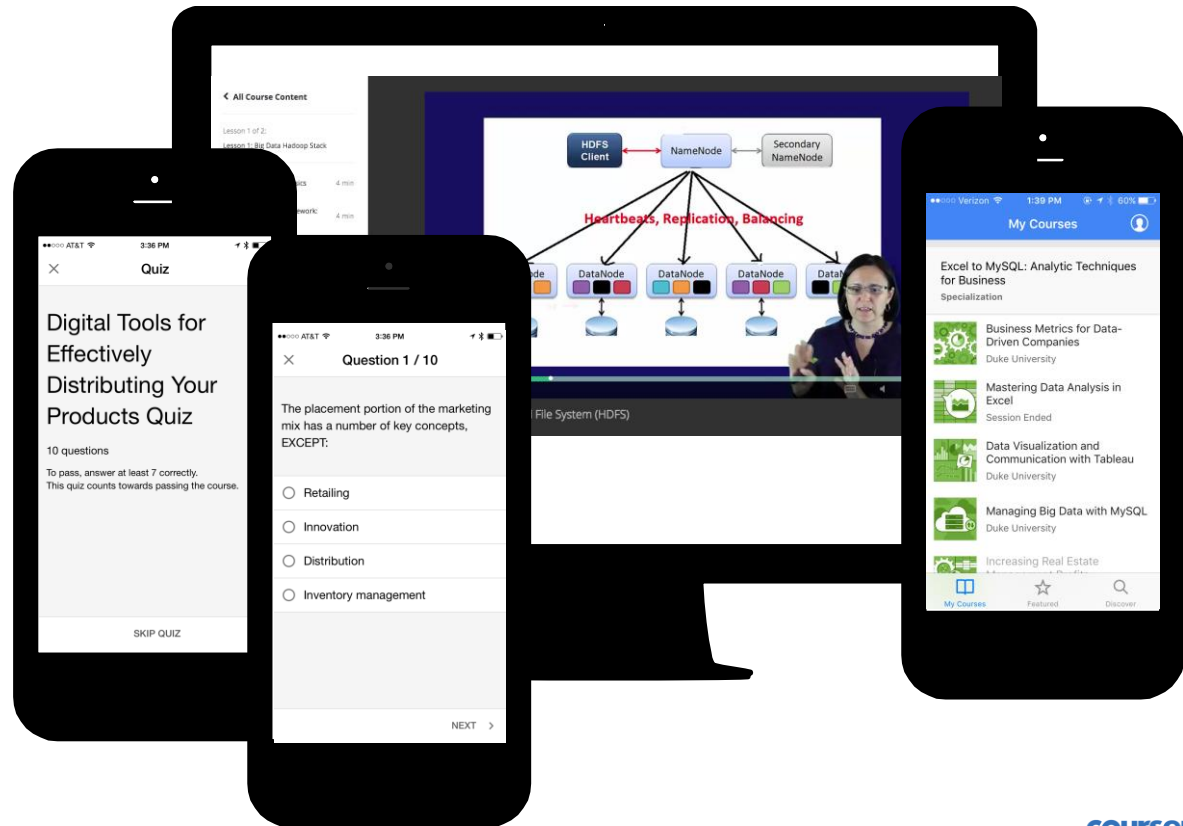
Our Approach



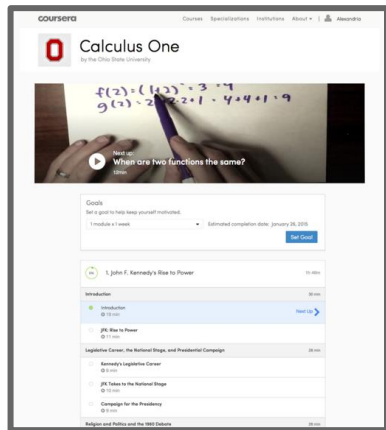
A Single Learning Platform

**Available across
devices: web,
iOS, Android**

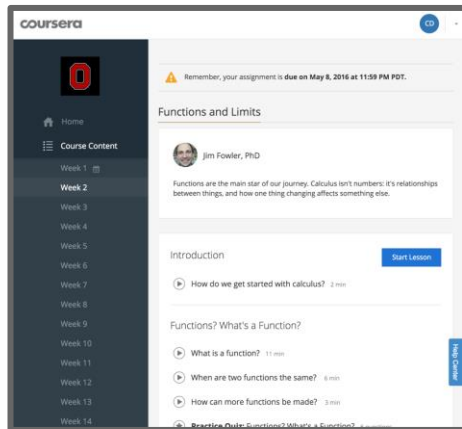
**Videos
downloadable for
offline viewing**



Accessibility Improvements *Driven by Data*



Self-paced
*Always available,
go at your own pace*



Automatic Cohorts
*Next session coming up,
structure and deadlines*

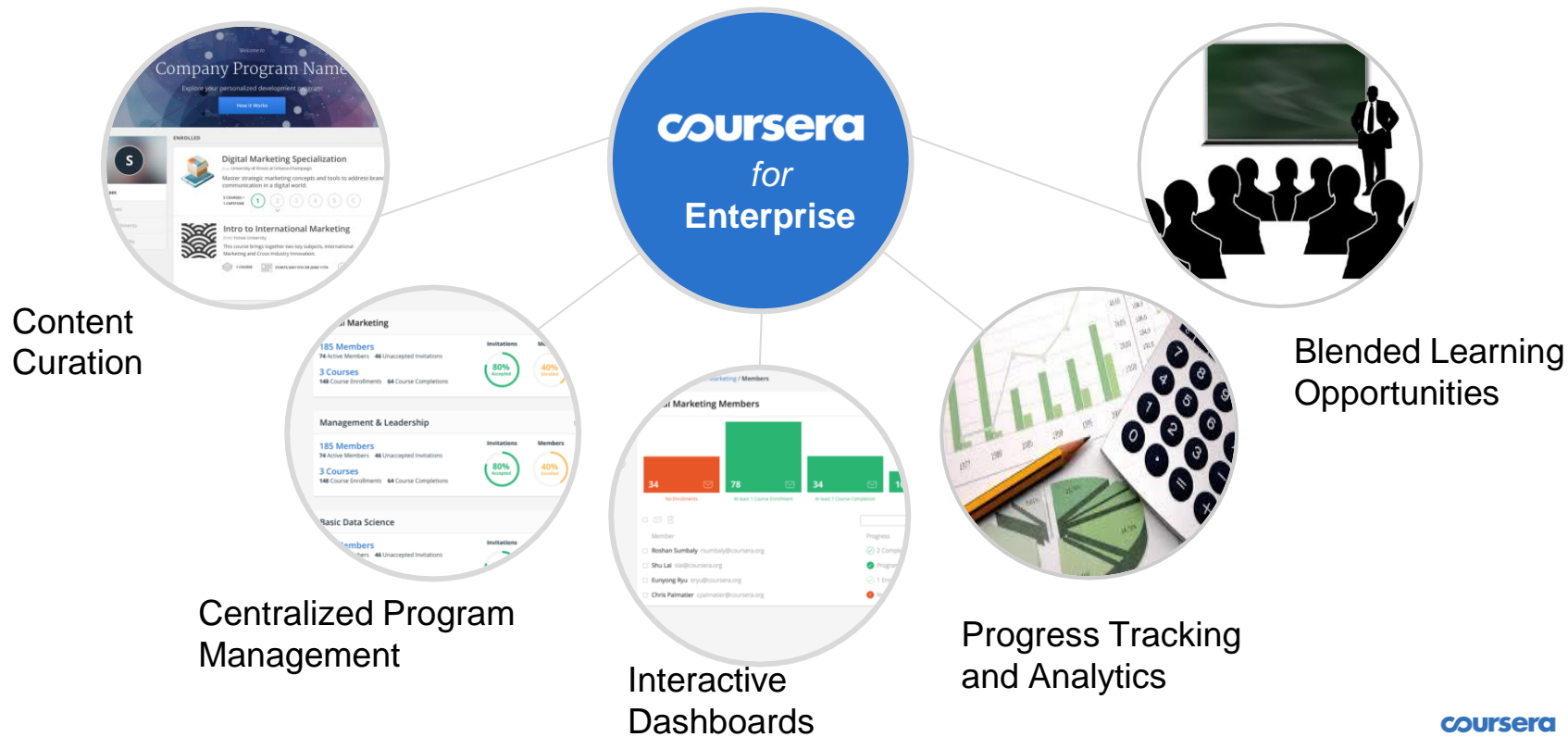


JULY
2015

MAR
2016

4X Increase in completion
*Even as we added hundreds
of courses*

New Initiatives – Businesses, Governments & Universities



Global Partners Across Business & Government



History is a race between
education and catastrophe.

HG Wells



Thank You!
coursera