IBM Africa Skills Initiative

IBM

A World-wide Program Made-in Middle East & Africa
Career Enablement

A top-notch education digital platform the immerses the student in a blended learning approach.
We offer training, certification and market placement focused on careers that are in high demand in the IT industry, covering cutting-edge technologies such as *Mobile, Cybersecurity, Analytics, Big Data, Cloud, Cognitive and Commerce.*

MEA University Program

IBM's elite technical education and examination program for university students and teachers in Africa to expand the technical talent base

Africa Technical Academy

IBM's elite technical enablement program for clients and business partners in Africa, to support the market transition into new technologies

LEADing to Africa Program

IBM's elite diaspora program to empower the future leaders of Africa with a short-term real, world experience in mature IBM markets

Dr. John E. Kelly III
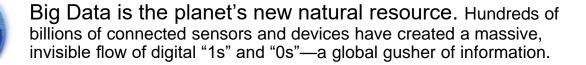Senior Vice President, Solutions Portfolio and Research

Virginia M. Rometty
Chairman, President and Chief Executive Officer

Technology Trends

Information Industry transformation differentiators

Big Data is the planet's new natural resource. Hundreds of billions of connected sensors and devices have created a massive, invisible flow of digital "1s" and "0s"—a global gusher of information.

Advanced analytics enable us to mine it. Enterprises and institutions are analyzing this flow of streaming, unstructured data and acting upon those insights in real time.

Cloud computing is coming of age. The model of computing known as "the cloud" delivers on-demand computing over the Internet. It brings new scale and efficiency to service delivery and enables more agile ways of doing business.

Social and mobile create a new platform for work. With devices in hand, individuals now expect to interact with the world around them—as consumers, as students, as citizens. For many, mobile devices have supplanted the PC, consumer electronics and even the wallet.

Challenges
Career Education

KEEP RELEVANT
Content currency
challenged by technology
advances

NEW LEARNING WAYS
New era of education driven
by technology

MARKET PLACEMENT
Increasingly complex job &
career options

Solutions

Career Enablement

KEEP RELEVANT

CHALLENGE

By the time the university course is updated by the teacher, its content currency is challenged by new *advances in technology*.

SOLUTION

Fully-fledged academic-ready courseware material:

- Advanced industry topics
- Cutting-edge IBM technologies
- Open standards
- Open source – i.e., Eclipse, Apache, Hadoop, Docker …
- 50 hours of lab-ready material
- Updated every academic year

NEW LEARNING WAYS

CHALLENGE

New widely accepted teaching mechanisms push the boundaries of learning to a *new era of education driven by technology*.

SOLUTION

Unique student-centric personalized experience:

- Self-paced e-learning platform
- Cloud-based hands-on labs
- Mobile-ready, learn anytime, anywhere
- Student progress analytics
- Social engagement platform

INDUSTRY ALIGNMENT

CHALLENGE

Teaching generally focuses in academic concepts diminishing their alignment with current *industry and market trends*.

SOLUTION

Complements teacher's concept-based pedagogical expertise with real-life industry experience:

- Face-to-face training sessions
- IBM subject matter experts
- World-class official courses
- Industry-proven certifications
- Alignment with professional careers in high-demand

MARKET PLACEMENT

CHALLENGE

Increased gap between the graduate student skillset and those of the *professional market needs*.

SOLUTION

Support the transition from graduated students to career profesionals:

- Resume & LinkedIn profiles
- Internships and hiring opportunities
- Preference for IBM Recruitment
- Exposure to IBM ecosystem of industry partners and customers

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IBM Africa Skills

01 INTRO
CHALLENGES & SOLUTIONS

02 OVERVIEW
CAREER ENABLEMENT

IBM Blended Learning Model
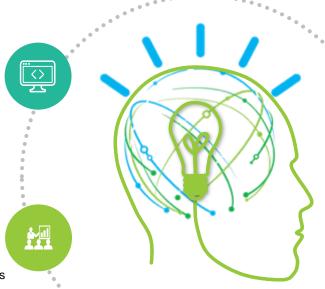
A unique world-class enablement experience

INFORMATION
Knowledge consumption

- Web lectures
- Multimedia
- Education material

INTERACTION
Interactive learning

- Hands-on training (SaaS)
- Quizzes/Assessments
- Certifications

FACE TO FACE
Teacher coaching

- Pedagogical aspects
- Defining the learning journey
- Coaching, mentoring, assisting

COLLABORATIVE
Social Engagement

- Team project work
- Leadership
- Collaborative events
- Social Media Collaboration

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01 INTRO
CHALLENGES &
SOLUTIONS

02 OVERVIEW
CAREER
ENABLEMENT

IBM Career Enablement Approach

An End-to-End Career Enablement Program

Global Recognition

• • • • •

- Technology Trends
- Industry Alignment
- Global Instructors
- Academic Network
- Industry Ecosystem

Career Paths

• • • • •

- Market Research
- Industry Alignment
- Open Standards
- Open Source
- Enterprise Training

Awards

• • • • •

- Certifications
- Open Badges
- Pearson VUE
- Practice Tests
- Profiling & Analytics

Professionalization

• • • • •

- Career Guidance
- Industry Projects
- Mentorship
- Internships
- Employment

IBM Career Paths

We offer 15 Career Paths and 135 Open Badges to choose from

IBM Africa Skills

01 INTRO
CHALLENGES & SOLUTIONS

02 OVERVIEW
CAREER ENABLEMENT

03 CAREERS
15 CAREER PATHS AND 135 BADGES

Cognitive

Watson Cognitive Specialist (2016)

Data Science

Big Data Developer

Data Warehouse Analyst

Busines Intelligence Analyst

Predictive Analytics Analyst

Enterprise Apps

Mobile Application Developer

Mobile Application Administrator

Cloud Application Developer

Cloud Solution Administrator

Digital Business

Business Process Analyst (2016)

Business Process Developer (2016)

Digital Marketing Specialist (2016)

Omni-channel Supply Chain Specialist (2016)

Cyber Security

Security Intelligence Analyst

Application Security Specialist