



AfricanBrain - The Transformation of Education in Africa

# Intel® Digital Readiness For Leaders Program



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intel®

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# Notices & Disclaimers

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No product or component can be absolutely secure.

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# Intel RISE Strategy

Making a positive impact on society, business, planet



# 4th Industrial Revolution: Transforming Our World

Covid-19 pandemic **accelerated**  
**and brought forward the digital**  
**transformation of companies** by  
up to

**7 years**

in just a few months<sup>1</sup>

**\$100 Trillion**

will be added to the global  
economy in the next 10 years

\*Source: World Economic Forum/Accenture Analysis, [mckinsey.com/business-functions/strategy-and-corporate-finance/our-insights/how-covid-19-has-pushed-companies-over-the-technology-tipping-point-and-transformed-business-forever](https://www.mckinsey.com/business-functions/strategy-and-corporate-finance/our-insights/how-covid-19-has-pushed-companies-over-the-technology-tipping-point-and-transformed-business-forever)

# Emerging Technologies Will Drive Economic Growth

Artificial Intelligence: \$15 Trillion Gain by 2030<sup>1</sup>



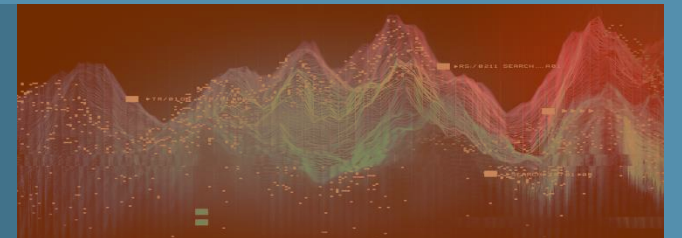
Internet of Things: \$11 Trillion Gain by 2030<sup>2</sup>



5G Connectivity: \$10 Trillion Gain by 2030<sup>3</sup>



Cybersecurity: \$5.7 Trillion Risk by 2023<sup>4</sup>



Sources: (1) "Unlocking the Potential of the Internet of Things." McKinsey. 2015.; (2) Sizing the Price: PwC's Global Artificial Intelligence Study. 2017.; "Dark Side of Digitalization." World Economic Forum. 2020.; (3) "Everything You Need to Know about 5G" IEEE Spectrum. [https://www.youtube.com/watch?v=GEx\\_d0SjvSQ](https://www.youtube.com/watch?v=GEx_d0SjvSQ). 2017.; (4) "The Cost of Cybercrime" Accenture. 2019.

# Flood of Data



Average  
Internet User

1.5 GB  
Traffic / Day



Autonomous  
Vehicles

4 TB  
Data / Day\*



Connected  
Airplane

5 TB  
Data / Day



Smart  
Factory

1 PB  
Data / Day



Cloud Video  
Providers

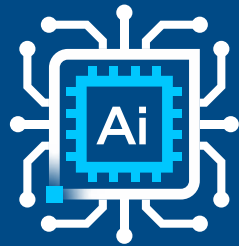
750 PB  
Video / Day

\*Estimate based on the average vehicle being operated 1-2 hours per day  
Source: Amalgamation of analyst data and Intel analysis.

# Investing in Market Shifts



Cloud



Artificial  
Intelligence



5G/Network  
Transformation



Intelligent &  
Autonomous Edge

# COVID and the New Normal

**3.3%**

Decline in overall global GDP in 2020<sup>1</sup>

**3x**

Stimulus relief for COVID than spent on Great Recession worldwide<sup>2</sup>

However,

**10.4%**

Growth in global spending on digital transformation in COVID<sup>3</sup>

**13.8%**

Growth in public sector spending on digital transformation<sup>3</sup>

“Digital transformation is key to supporting economic activity and wellbeing during the crisis, as well as in sustaining economic recovery.”

– OECD 2020 Covid-19 Policy Brief<sup>4</sup>

Sources: 1. IMF. “World Economic Outlook” Report. April 2021. 2. “IDC Spending Guide Shows Continued Growth for DT.” May 2020. 3. OECD 4. 2020 COVID-19 Policy Brief.



AI

80%

of large companies

and

88%

of SMBs

say AI technology helped their company during the COVID-19 outbreak.<sup>1</sup>

Yet Access, Bias and Privacy are growing concerns

How do we harness the power of AI?

How do we mitigate AI biases?

What is the regulatory responsibility of government?

Sources: (1) [info.kpmg.us/news-perspectives/technology-innovation/thriving-in-an-ai-world/ai-adoption-accelerated-during-pandemic.html](https://www.kpmg.com/au/issuesandinsights/articlespublications/ai-adoption-accelerated-during-pandemic.html);



# Cybersecurity

Data breaches are up **41%** in 2020<sup>1</sup>

**>3M**

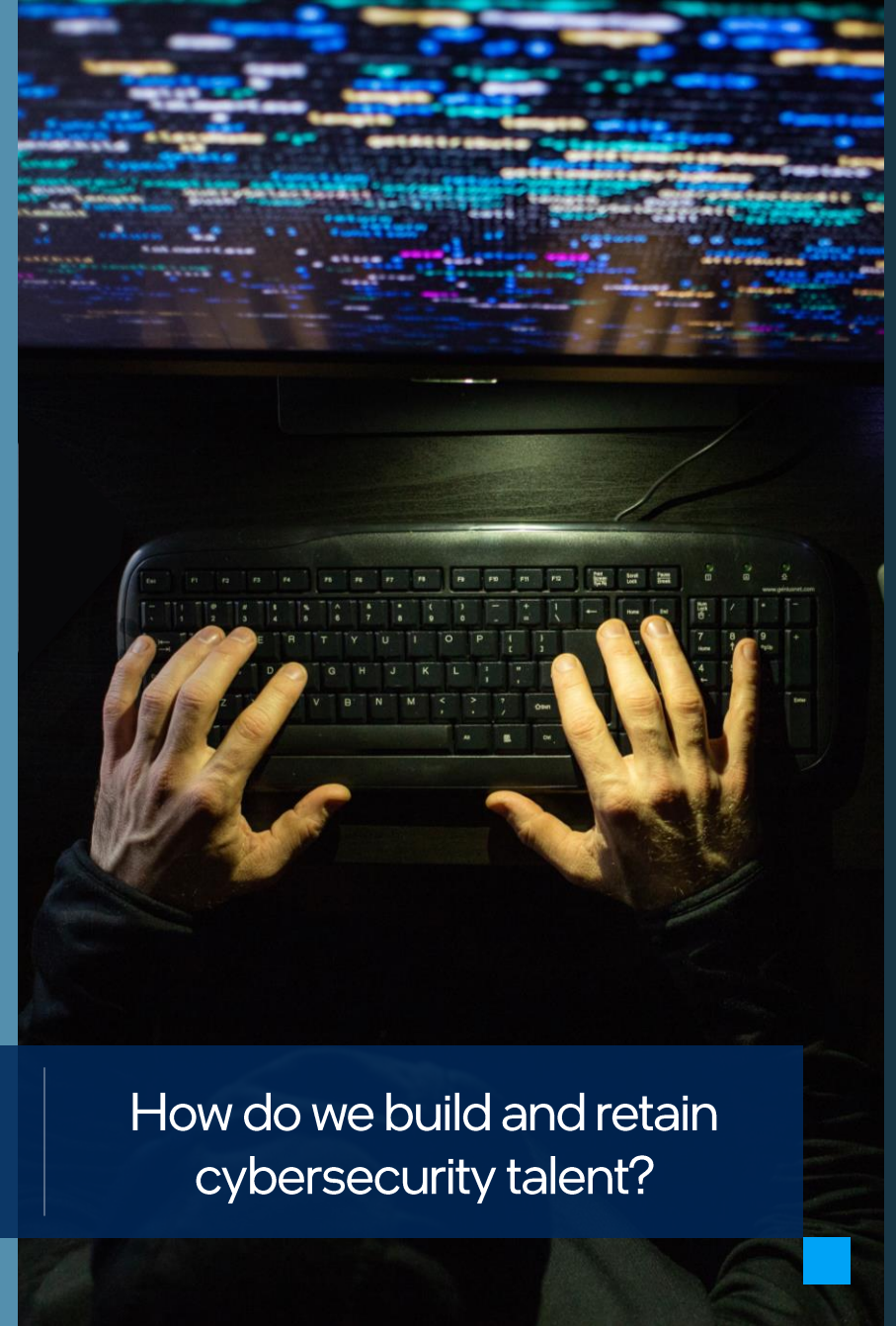
unfilled cybersecurity jobs<sup>1</sup> in the world

How do we know which data to protect?

How do we protect against the next utility grid attack?

How do we build and retain cybersecurity talent?

Sources: (1) <https://www.toolbox.com/it-security/security-careers-skills/news/global-cybersecurity-workforce-3-12m-positions-unfilled-in-2020/>



# Change Begins with Government Leaders

Digital transformation requires public leader capacity building

80% of public leaders say they are behind private sector capabilities.<sup>1</sup>

Only 26% of leaders say organization has sufficient skill to execute digital strategy.<sup>2</sup>

Only 32% believe leadership has sufficient digital skills.<sup>2</sup>

Sources: 1. Gartner, "[Transition to Digital Government](#)"; 2. Deloitte, "[From the Ascent of Digital](#)."



# What is Digital Readiness?

Digital Readiness encompasses the skills, trust, and ability of people to use technologies responsibly and effectively for broader socio-economic benefits.



Digital Readiness is a comprehensive and outcome-driven approach, going beyond the traditional concepts of digital access and inclusion.

Expanding Digital Readiness is key to Intel's corporate purpose and 2030 RISE strategy.

# New Program: Intel® Digital Readiness For Leaders

## The Objective

Educate and empower government leaders on emerging technologies such as AI, IoT and Cybersecurity with Intel.

## Target Audience

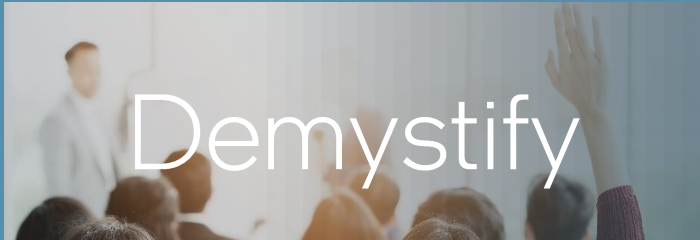
Government policy officials and decision makers.

## The Program

Fully immersive, engaging and customizable workshops led by Intel technologists and business experts.

Topics: AI, Cybersecurity, IoT, 5G, Workforce Readiness.

# The Program Framework: Intel Experience Cycle



Demystify

Emerging tech through immersive workshops.



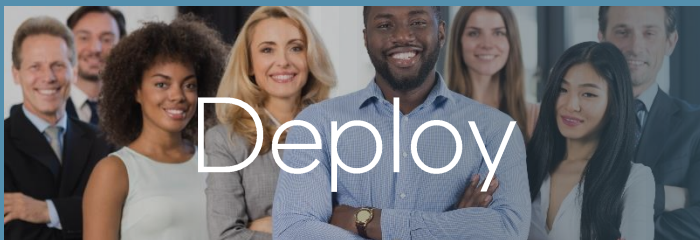
Demonstrate

Understanding of local/international best practices and use cases.



Develop

Country action plans and policy alignment.



Deploy

Tech-based solutions with help of Intel business experts.

# Sample Workshop Format: Topic AI

## Step 1: Demystify

- Presentation - What is AI? Why AI now?

## Step 2: Demonstrate

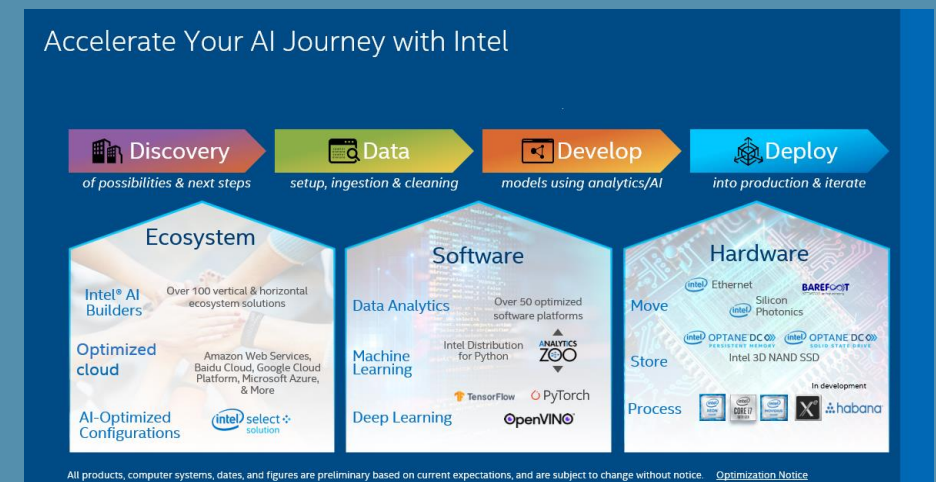
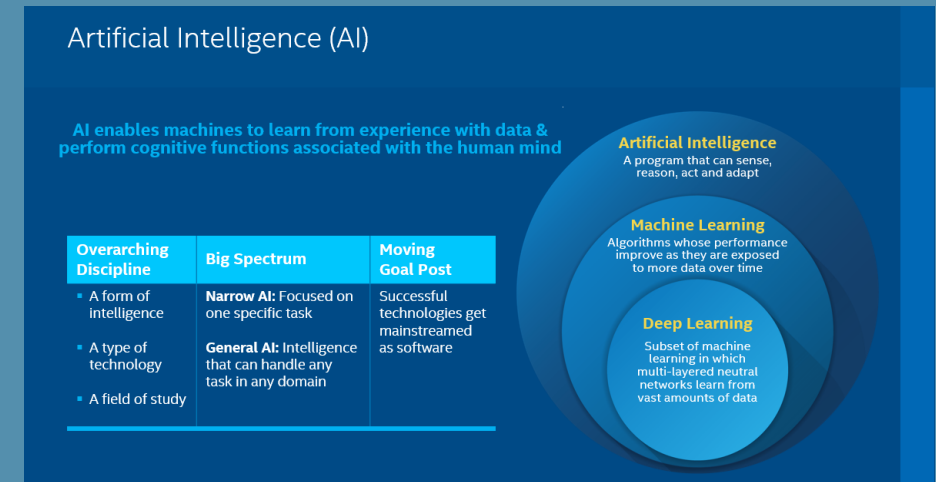
- Video - Intel use case: AI Fighting Disease Using Genomic Sequencing

## Step 3: Develop

- Understand the crucial aspects of implementing AI
  - Regulatory environment and investment in AI
  - Fostering digital ecosystem for AI innovation
  - Workforce Readiness on AI skills

## Step 4: Deploy

- Learn how to implement AI solutions with Intel support



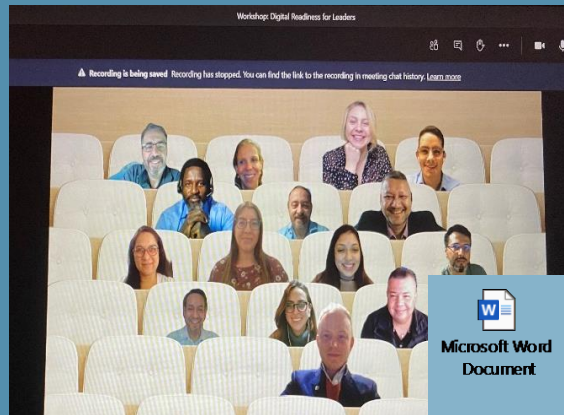
# Customer Testimonials

“We want to take capacity building to other ministries, as well as the cyber security program, and Intel India has come forward to be the lead programmers. We are delighted by that.”

– M.S. Rao, President & CEO of National E-Governance Division (NeGD), Ministry of Communications and IT



First India AI Workshop with MoCIT



Costa Rica Workshop “Building National AI Strategy”



Poland Workshop with MoED



India “Demystifying Emerging Technologies For Women Leaders”

“Extremely useful and practical knowledge about the one of the most technological trends.”

– Katarzyna Kaczkowska, Investment and Development Department Director for EU Funds



# Implementation Role & Responsibilities

Requirement	Intel	Government
Identify technology topic based on country needs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Build joint workshop plan (Where, Who, What, Why, When, How)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bring relevant government leader audience to workshop		<input checked="" type="checkbox"/>
Conduct workshop	<input checked="" type="checkbox"/>	
Post workshop - build and follow up on national action planning	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

# Your Call to Action

1 Start with leadership commitment. Intel can help in engaging, educating and empowering all government leaders.

2 Build trusted partnerships to build and action your digital transformation plan.

3 Roll out local and scalable, sustainable policies and solutions for desired digital transformation impact.

“Don’t be encumbered by history.  
Go off and do something **wonderful.**”

Robert Noyce  
Co-Founder of Intel



Thank you



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