Addressing the Human and Technical Capacity Challenges Through Digital Skills ITU—DOT TRAINING PROGRAM

CREATING OPPORTUNITIES WITH DIGITAL SKILLS

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Collaboration

"is the process of two or more people or organizations working together to complete a task or achieve a goal."

"collaboration is a purposeful relationship in which all parties strategically choose to cooperate in order to accomplish a shared outcome."



Benefits of Collaboration

What are some benefits of government, academia, ICTs and citizen collaboration?

Examples of successful collaborations?



Collaboration Challenges

What are some barriers to successful collaboration?



Collaboration Challenges

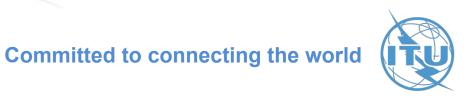
What are some challenges for collaboration?

- Does not happen by itself
- Cultural differences impact communication and teamwork
- Requires time investment

Creating opportunities for collaboration

What can be done to create opportunities to collaborate?

- Training programs like this
- Think tanks
- Hackathons
- Meetup groups
- Social innovation projects



Opportunities for increasing digital skills

Do you think these activities would create opportunities for increasing digital skills?



When a single person learns digital skills (technology design, coding, innovation etc), what might we expect as outcomes for them?

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- Greater employment opportunities
- Motivation for entrepreneurship/social entrepreneurship
- Greater earning potential: provide well for their family
- Ability to work as a freelancer for international companies



What would be the impact of improving the level of digital skills in your country?

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- New businesses
- More innovative/digital businesses
- Lower unemployment
- Greater trade/export opportunities



Increasing digital skills

What are some methods a country can increase its digital skills?



Increasing digital skills

What are some methods a country can increase its digital skills?

- Train school teachers (I believe this is most important)
- Technology education in schools
- Support enterprises that are teaching technology skills
- Encourage a culture of innovation



An excellent way to increase digital skills in the country is to create community tech hubs

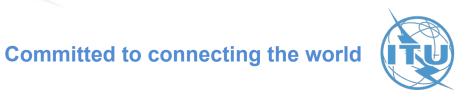
A tech hub could have:

- Computer labs
- Maker labs (3D printing, electronics, emerging technologies)
- Staffed by passionate technology people



A tech hub could:

- Run classes for anyone to come and learn
- Citizens can work together to solve community problems with technology
- Run hackathons, expos
- Have a children's club like Scouts for the 21st century



Can be a collaboration between government, academia, schools and ICTs.

TEAM CHALLENGE (3)

Creating Opportunities with Digital Skills

In teams of 2 - 4, discuss how you would increase the digital skills in your country.

- How could you or your organisation make it a reality?
- Who would you need to involve?

Link to the Team Challenge Evaluation Form: bit.ly/eval-team



TEAM CHALLENGE (1)

Social Innovation Challenge

Instructions:

In pairs or teams, discuss emerging technology solutions to Sustainable Development Goals.

Be creative!



Further instructions

- 1. Choose an SDG
- 2. Choose an emerging technology
- 3. Discuss for 15 minutes
- 4. Present your ideas in 1 minute







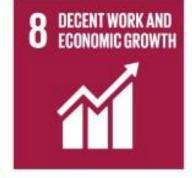
































Select an Emerging Technology

Artificial Intelligence	Blockchain
3D Printing	Unmanned Autonomous Vehicles
Internet of Things	Mobile Devices

Discuss

How can the chosen emerging technology be used to solve a challenge that fits with your selected SDG?

- 1. Start with a problem that you know about.
- 2. Discuss ideas as to how the technology can be used to solve the problem.
- 3. Prepare to present your problem and idea in 1 minute.

