



# An introduction to ICT Accessibility

**Training program: Tailored**

**Strategic Partner: Arab ICT Organization**

**Date: May 6th, 2024**

**Trainer: Mike Park, ICT Access Accreditation Expert**

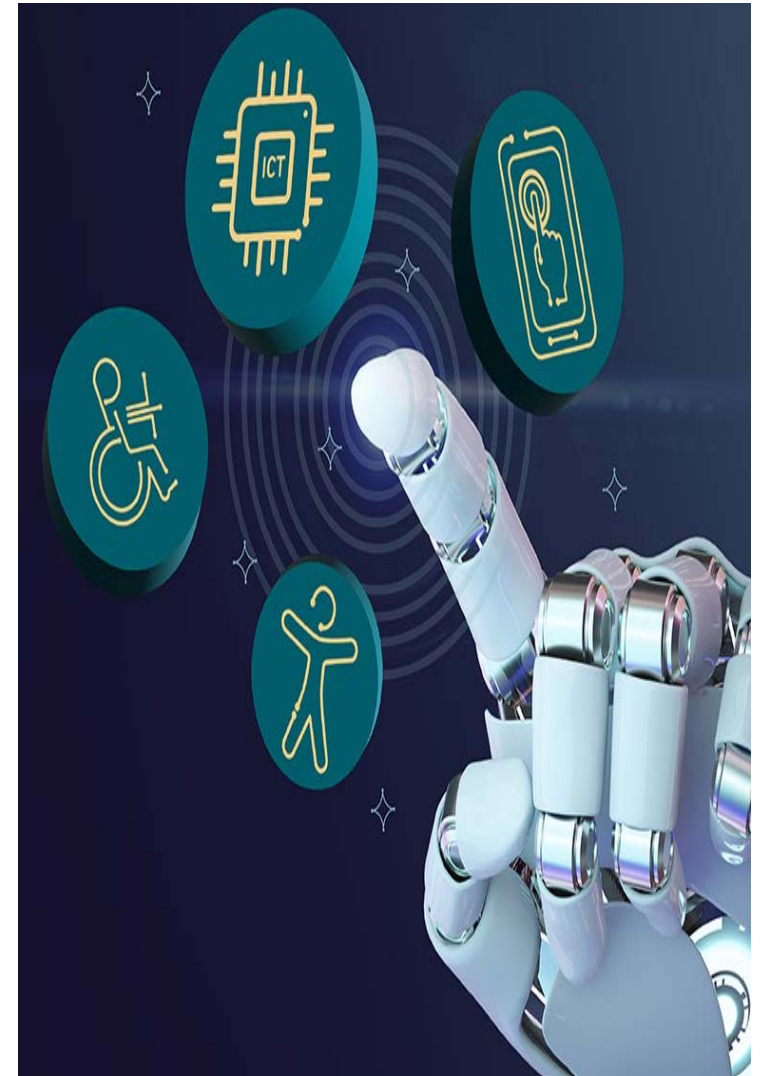


# Introduction

Persons with Disabilities (PwDs) face daily challenges and barriers in different sectors, especially the ICT field, which result in their exclusion from accessing learning opportunities and using digital technologies.

This training workshop is part of the Mada Academy ICT accessibility training program.

By taking this introductory training session, you will understand and learn the foundations of ICT Accessibility. You will be introduced to the broad scope of disability, accessibility, and the related legal landscape, and you will explore the key principles guiding accessible content creation.



# Training description

- **Title:** An introduction to ICT Accessibility
- **Trainer:** Mike Park
- **Topic:** ICT Accessibility
- **Date:** May 6th , 2024
- **Session Length:** 3 hours
- **Training Delivery Methods:** Virtual Training
- **Platform:** Zoom
- **Language:** English
- **Prerequisites:** N/A
- **Skill level:** Beginner
- **Certification:** Attendance certificate
- **Registration fees:** Free
- **Training coordinator :** training@mada.org.qa
- **Training expert:** academy@mada.org.qa

# Objectives

- Feature Mada Center's endeavors toward mainstreaming ICT accessibility in Qatar and beyond.
- Present core concepts of disability and accessibility.
- Make aware of common barriers to ICT access and use for persons with disabilities.
- Describe the legal landscape of disability and accessibility.
- Explore major examples of ICT Accessibility standards.
- Introduce major accessibility considerations to common digital formats.
- Introduce the broad scope of web accessibility and other IT platforms.
- Discuss promoting digital inclusion through accessible ICT.

# Targeted Competencies

- D1.2 Recognizing the major types of Disabilities and their impact on lives of PWDs
- D1.3 Demonstrating Understanding of Accessibility
- D2.1 Identifying and characterizing main Laws, Declarations and Conventions on Human Disability Rights
- D2.3 Identifying ICT Accessibility standards
- D2.4 Integrating ICT Accessibility across the organization
- D4.1 Identifying major Accessibility considerations to common digital formats
- D5.1 Demonstrating understanding of Web Accessibility

For more details about Mada ICT-AID competency framework, please visit [the Mada ICT-AID competency framework portal](#).

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# Learning Outcomes (1/2)

- By the end of this workshop, you should be able to:
- Understand the role and initiatives of Mada Center in promoting ICT accessibility for persons with disabilities.
  - Gain a comprehensive view of disability and accessibility principles to better address the needs of persons with disabilities.
  - Identify and comprehend the obstacles that persons with disabilities face in accessing and utilizing ICT.
  - Describe main legal aspects related to disability and accessibility, providing a foundation for implementing inclusive practices.

## Learning Outcomes (2/2)

- Examine prominent standards in ICT accessibility to ensure compliance and inclusivity in digital environments.
- Identify major accessibility considerations when making digital content accessible to persons with disabilities.
- Demonstrate an understanding of the significance of web accessibility and its application across different IT platforms to enhance inclusivity.
- Discuss roles and approaches toward enhancing digital inclusion by making ICT accessible and fostering a more inclusive digital environment for all individuals.

# Training Methods and activities

- Question and Answer Sessions
- Online Interactive activities
- Videos and Multimedia



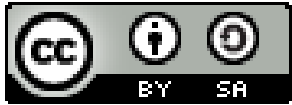
# Content

1. About Mada
  2. Awareness in people with Disabilities and Digital Accessibility
  3. The legal landscape and policies of Disability and Accessibility
  4. Accessible Digital platforms, Standards and Best Practices
    - Accessible Kiosks and ATM
    - Accessible digital content
      - Internet Websites and Portals
      - Mobile Applications
      - Electronic Documents and E-mails
    - Digital Accessibility of Venues
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# Copyright

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# 1- About Mada



# Who We Are?

- Mada is a non-profit government organization currently under the *Ministry of Social Development and Family*.  
Founded under the *Ministry of Communication Information Technology*.
- Mada was established in June 2010 by ICT Qatar (MCIT).
- Mada is dedicated to connecting people with disabilities to the world of information and communication technology through Assistive Technologies.



# Mada Vision and Mission



## **Vision**

Enhancing ICT Accessibility for Persons with Disabilities in Qatar and beyond.



## **Mission**

Empowering PWDs to participate and live independently through fostering the ecosystem of ICT Accessibility.

## Our Services

- Digital Accessibility (Reviews, Audits and Action Plan, Accreditation..)
- Training and Capability Building
- Consultancy and Support
- Assistive technology
- Accessible customer service
- Mada inclusive platforms

## Our Activities

- Innovation
- Research and Publications
- Awareness Building
- Policy

# Mada Strategic Sectors and partners



## Education Sector



## Community Sector



## Employment Sector



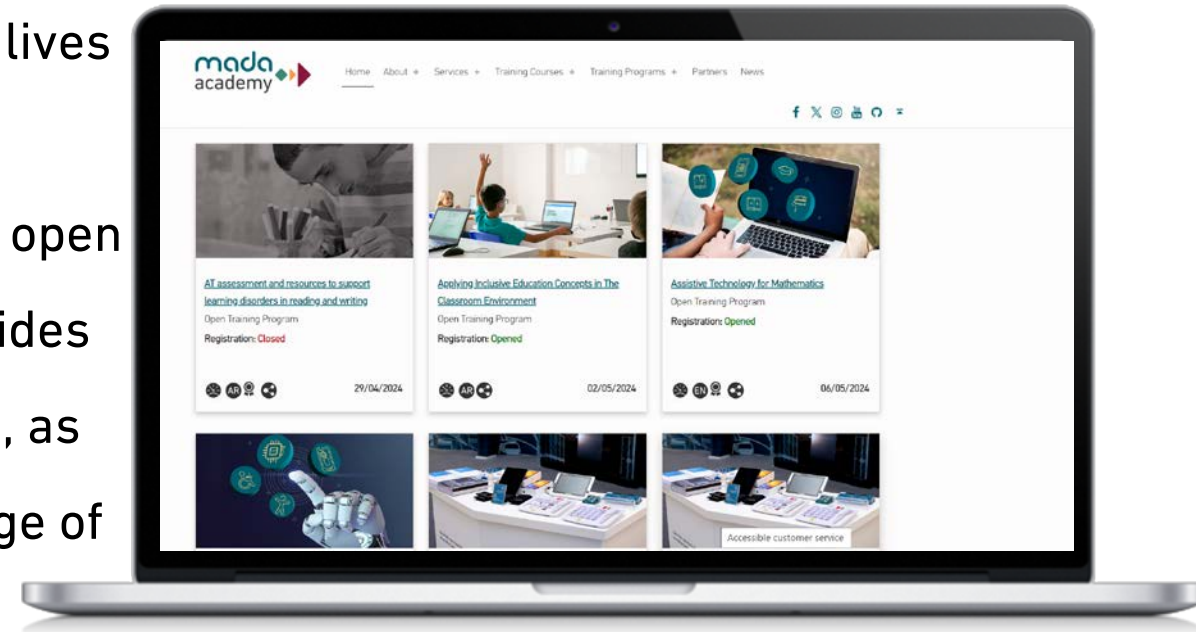
# Mada Portals

- [Mada Academy](#)
- [Mada Digital Accessibility Portal](#)
- [Mada AT Portal](#)
- [Mada ICT Accessibility Policy Portal](#)
- [Mada Innovation Program](#)
- [Nafath](#)
- [Mada Edge](#)
- [Mada Glossary](#)
- [Jumla Sign Language](#)



# Mada Academy

Mada Academy is the Mada premium training hub that aims at empowering people and institutions, and improving lives through engaging and inspiring training and capacity development for all. Mada Academy works to promote open and inclusive digital education opportunities, and provides quality accessible online and blended training courses, as well as face-to-face training workshops, in a wide range of cutting-Edge topics, with a focus on information and communication technologies (ICTs) accessibility, assistive technology, and inclusive education.



# Mada Academy

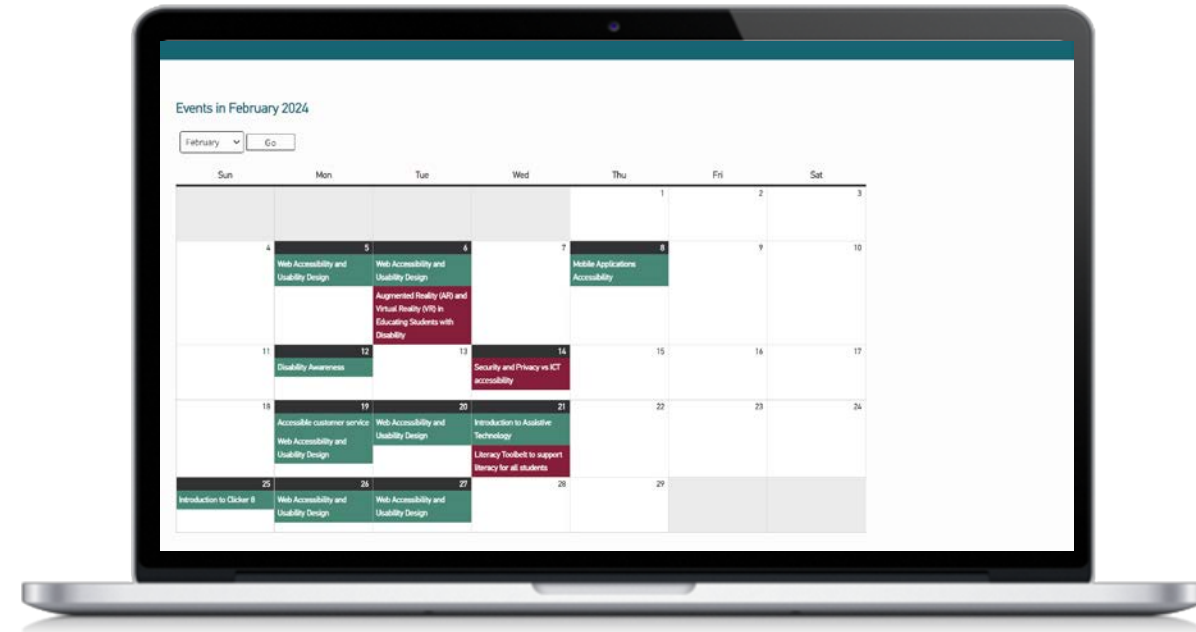
## ICT Accessibility Training Courses

Course	Duration
Introduction to Digital Accessibility	3-4 hours
Web Accessibility Design and Usability Workshop	2 half days
Advanced Web Accessibility	4 hours
Document Accessibility Design Workshop	1 day
Mobile App Accessibility Workshop	3 hours
Kiosk / ATM Accessibility	3 hours

Courses are offered in both *Arabic and English Languages*

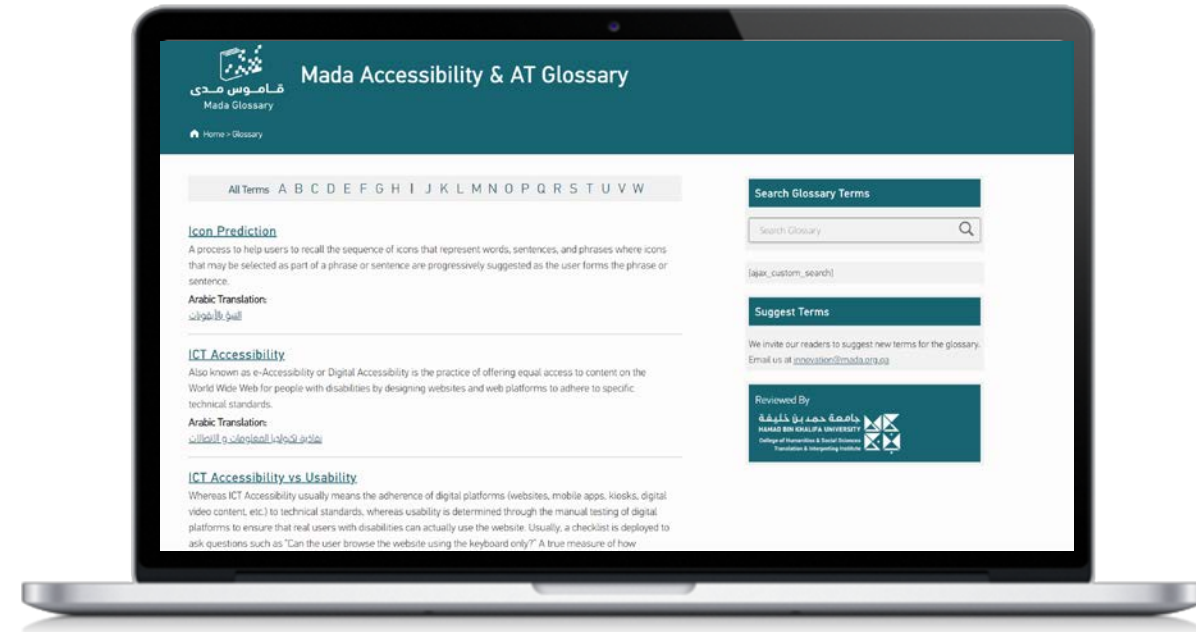
# Mada Academy Training calendar

To access the monthly schedule of training workshops, please visit [the training calendar page](#) on the Mada Academy's portal.



# Mada Accessibility and AT Glossary

Mada's Glossary is the first dictionary of its kind, which includes terms related to ICT accessibility and assistive technology in the Arabic language. The Glossary was developed to serve as a vital resource for capacity building within ICT services, accessibility, and AT in Qatar and beyond.



To access the Mada Glossary, please visit [the Mada Accessibility and AT Glossary portal](#).

# Examples of key terms

## What is Accessibility ?

It is access to information and services for everyone, regardless of their disabilities or functional limitations ! Reaching the widest audience possible. Similar terms used: Universal / Inclusive design.

## Why Accessibility ?

More people with disabilities are using assistive technologies to access information and services online through websites and mobile technologies.

## Digital Accessibility

Refers to how well any type of electronic or online media can be used by people with visual, hearing, motor or learning disabilities, as well as by the elderly.

## Assistive Technology

AT for short. Any item, software, piece of equipment, or product system, whether acquired commercially, modified, or customized, that is used to increase, maintain, or improve functional capabilities of individuals with disabilities.

# Learning Activity 1 (Digital Accessibility Barriers for PWD?)

Please note that the learning activities are available only in In-person Instructor-led Training (face-to-face) format. To register for the workshop, explore our upcoming courses at Mada Academy by visiting this link: [Mada Academy Upcoming Courses](#).

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# Mada's Major Achievements

- Qatar International Accessibility Ranking (**World \*Digital Accessibility Rights Evaluation Index- DARE Index- Ranking**)
  - 2020 DARE Index : As a result of Mada's best efforts, Qatar ranked #1 in the world, achieving a score of 89 out of 100.
  - In the 2018 DARE index, Qatar was ranked #5 in the world with a score of 75 out of 100.

## **\*Digital Accessibility Rights Evaluation Index (DARE Index)**

Benchmark progress in making ICT accessible in compliance with the UN Convention on the Rights of Persons with Disabilities. **Developed by G3ict**, in cooperation with Disabled People's International.

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# Quiz

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# 2- Awareness in people with Disabilities and Digital Accessibility



# Learning outcomes

- By the end of this section, you should be able to:
  - Gain a comprehensive view of disability and accessibility principles to better address the needs of persons with disabilities.
  - Identify and comprehend the obstacles that persons with disabilities face in accessing and utilizing ICT.

## Learning Activity 2 (What is Disability?)

Please note that the learning activities are available only in In-person Instructor-led Training (face-to-face) format. To register for the workshop, explore our upcoming courses at Mada Academy by visiting this link: [Mada Academy Upcoming Courses](#).

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# What is Disability ?

- A physical, mental, cognitive, or developmental condition that impairs, interferes with, or limits a person's ability to engage in certain tasks or actions or participate in typical daily activities and interactions.

Reference : Mada Accessibility & AT Glossary

## Learning Activity 3 (Who are people with disabilities?)

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# Who are people with disabilities?

- Physical/Mobility Disabilities(Paraplegia, Quadriplegia/Tetraplegia, Multiple Sclerosis...)
- Hearing disability (Deafness, Hearing Impairment, Tinnitus...)
- Visual Disabilities (Blindness, Low Vision, Color Blindness, Glaucoma...)
- Intellectual/Learning/communication Disabilities(Down Syndrome, Fragile X Syndrome, Autism Spectrum Disorder -ASD, Cerebral Palsy...)
- Elderly People

# What is Old Age (Elderly/seniors)?

- Old age is the range of ages for people nearing and surpassing life expectancy.
- Seniors typically have limited physical capabilities.
- They are more prone to illnesses, syndromes, injuries, and health disorders than younger individuals.



## Learning Activity 4 (Why should we care about Accessibility ?)

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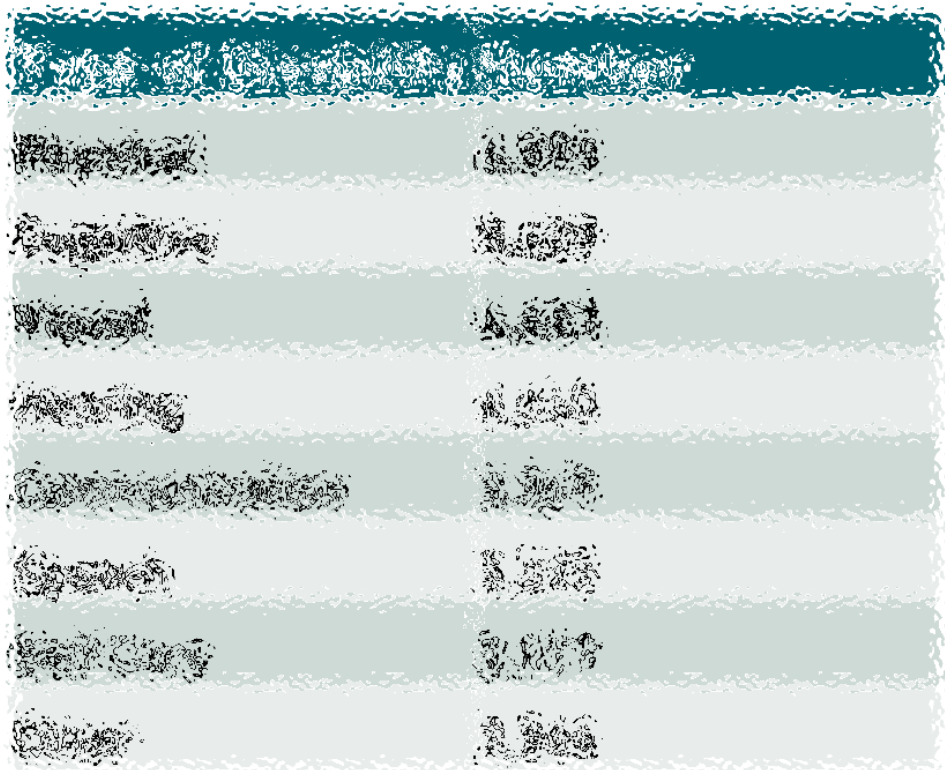
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# Why should we care about Accessibility ?

- **Accessibility is a legal requirement**
- **Accessibility is a business opportunity**
- **Accessibility is a social responsibility**
- **Accessibility is a competitive advantage**
- **Accessibility is a human right**
- **Accessibility is a moral imperative**
- **Accessibility is a key to success**

# Distribution of people with disability related challenges by the type of disability, 2022



For more information, please register for the in-person, instructor-led training (face-to-face).

You can visit the [training calendar page](#) on the [Mada Academy website](#).

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# **Qatar Planning and Statistics Authority; People with Disabilities; [www.psa.gov.qa](http://www.psa.gov.qa)**

## Learning Activity 5 (What is ICT Accessibility?)

Please note that the learning activities are available only in In-person Instructor-led Training (face-to-face) format. To register for the workshop, explore our upcoming courses at Mada Academy by visiting this link: [Mada Academy Upcoming Courses](#).

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**“  
In an accessible environment, a person  
no longer has a disability !”**

## Learning Activity 6 (Digital Accessibility Barriers for PWD?)

Please note that the learning activities are available only in In-person Instructor-led Training (face-to-face) format. To register for the workshop, explore our upcoming courses at Mada Academy by visiting this link: [Mada Academy Upcoming Courses](#).

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# Benefits of Accessibility

- Good for business; tap into spending power of elderly people
- Websites, SEO; Search Engine Optimization
- Internet and Applications; Robust, Reliable and Compatible
- Inclusive to everyone in Qatar; regardless of disability, functional limitations
- Meets requirements of UN convention and National Policies
- Accessible to audiences around the world

# Quiz

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# 3- The legal landscape and policies of Disability and Accessibility



# Learning outcomes

- By the end of this section, you should be able to:
  - Describe main legal aspects related to disability and accessibility, providing a foundation for implementing inclusive practices.

## Learning Activity 7 (Convention of rights of PWDs ?)

Please note that the learning activities are available only in In-person Instructor-led Training (face-to-face) format. To register for the workshop, explore our upcoming courses at Mada Academy by visiting this link: [Mada Academy Upcoming Courses](#).

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# International landscape (1/3)

## Convention on the Rights of Persons with Disability



### Article 9 Accessibility

- Enable PWDs to live independently and participate fully in all aspects of life.
- Ensure access to information & communication technology by PWDs.

# International landscape (2/3)



## Sustainable Development Goals 2030



### Goal #4

#### Quality Education

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.



### Goal #10

#### Reduced Inequality

Reduce inequality within and among countries.



### Goal #11

#### Sustainable Cities and communities

Make cities and human settlements inclusive, safe, resilient and sustainable.

# International landscape (3/3)

## Convention on the Rights of the Child



### Article 28

- States parties recognize the right of the child to education on the basis of equal opportunity.
- Make primary, secondary, general vocational, and higher education accessible to all by every appropriate means.

## The Marrakesh Treaty



The Marrakesh Treaty to facilitate access to published works for persons who are blind, visually impaired, or otherwise print disabled.

# Qatar Accessibility Policy (1/3)



CONVENTION on the RIGHTS of  
PERSONS with DISABILITIES

- Qatar signed and ratified the Convention on the rights of PWDs on April 14, 2008.
- Qatar eAccessibility Policy 201 : Published by Supreme Council of Information Communication Technology
- Qatar eAccessibility Policy for web accessibility includes: W3C WAI WCAG 2.0 A and AA as the standard for compliancy in Qatar.
- Website and E-Services Framework 2016; Accessibility Standard; WCAG 2.0 Ministry of Transportation and Communications
- Mobile Services Framework 2017; Accessibility Standard; WCAG 2.0 Ministry of Transportation and Communications

# Qatar Accessibility Policy (2/3)

## Law No. 2 of 2004 in respect of People with Special Needs



Special Needs Persons shall enjoy the following rights in addition to any applicable rights under any other relevant legislation:

- Education and rehabilitation relevant to their developmental potential;
- Medical, psychological, cultural and social care
- Etc

For more information on Law No. 2 of 2004 regarding People with Special Needs, please visit [Al](#)

[Meezan website.](#)



# Qatar Accessibility Policy (3/3)

## Digital Inclusion Strategy



Key principles of Digital Inclusion Strategy and work programs

- Delivery methodology should be appropriate for each target group and work program
- Take account of literacy levels and needs of each target
- etc

For more information on Digital Inclusion Strategy, please visit [Ministry of communication and Information Technology website.](#)

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# Quiz

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# 4- Accessible Digital platforms, Standards and Best Practices



# Learning outcomes

- By the end of this section, you should be able to:
  - Demonstrate an understanding of the significance of web accessibility and its application across different IT platforms to enhance inclusivity.
  - Examine prominent standards in ICT accessibility to ensure compliance and inclusivity in digital environments.
  - Identify major accessibility considerations when making digital content accessible to persons with disabilities.
  - Discuss roles and approaches toward enhancing digital inclusion by making ICT accessible and fostering a more inclusive digital environment for all individuals.

# Content

- a) Accessible Kiosks and ATM
- b) Accessible digital content
  - Internet Websites and Portals
  - Mobile Applications
  - Electronic Documents and E-mail
- c) Digital Accessibility of Venues

# a- Accessible Kiosks and ATM



## Learning Activity 8 (Case Study: Kiosk and ATM Machines)

Please note that the learning activities are available only in In-person Instructor-led Training (face-to-face) format. To register for the workshop, explore our upcoming courses at Mada Academy by visiting this link: [Mada Academy Upcoming Courses](#).

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# Kiosk and ATM Machines

## **Kiosks / ATM Standards and Guidelines for Accessibility;**

**ADA** – American Disability Act

**WCAG 2.1**; A and AA

**European Union's EN 301 549** standard





# Qatar ATM Assessments

- **Ensure the user Journey to your ATM is accessible !**
- In this photo, you see an accessible ramp leading to a wide automatic door with the Accessible ATM just inside. A very good location !



## Learning Activity 9 (Case Study: Kiosk and ATM Machines)

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- Enclosed Space - **60 inches by 60 inches** minimum clear floor space.
- In this Phot, this Accessible ATM is not Accessible in its environment.
- The ATM encloser is too small, well below 60 by 60.
- The doorway is not wide enough to accommodate a wheelchair user.
- There is no curb cut for wheelchair user access.



# How to Identify Accessible ATMs and Kiosks ?

- 1. Check if the ATM or kiosk is accessible to people with physical disabilities, such as wheelchair users, by ensuring there is enough space and a clear path to the machine.
- 2. Check if the ATM or kiosk is accessible to people with hearing impairments, by ensuring there are visual alerts and instructions.
- 3. Check if the ATM or kiosk is accessible to people with vision impairments, by ensuring there are tactile and auditory cues.
- 4. Check if the ATM or kiosk is accessible to people with cognitive impairments, by ensuring the interface is simple and easy to use.
- 5. Check if the ATM or kiosk is accessible to people with language impairments, by ensuring there are instructions in multiple languages.
- 6. Check if the ATM or kiosk is accessible to people with age-related impairments, by ensuring the interface is large and clear.
- 7. Check if the ATM or kiosk is accessible to people with chronic conditions, such as diabetes, by ensuring there are clear instructions and prompts.
- 8. Check if the ATM or kiosk is accessible to people with mental health conditions, by ensuring the interface is calm and non-threatening.
- 9. Check if the ATM or kiosk is accessible to people with learning disabilities, by ensuring the interface is simple and easy to understand.
- 10. Check if the ATM or kiosk is accessible to people with autism, by ensuring the interface is clear and uncluttered.



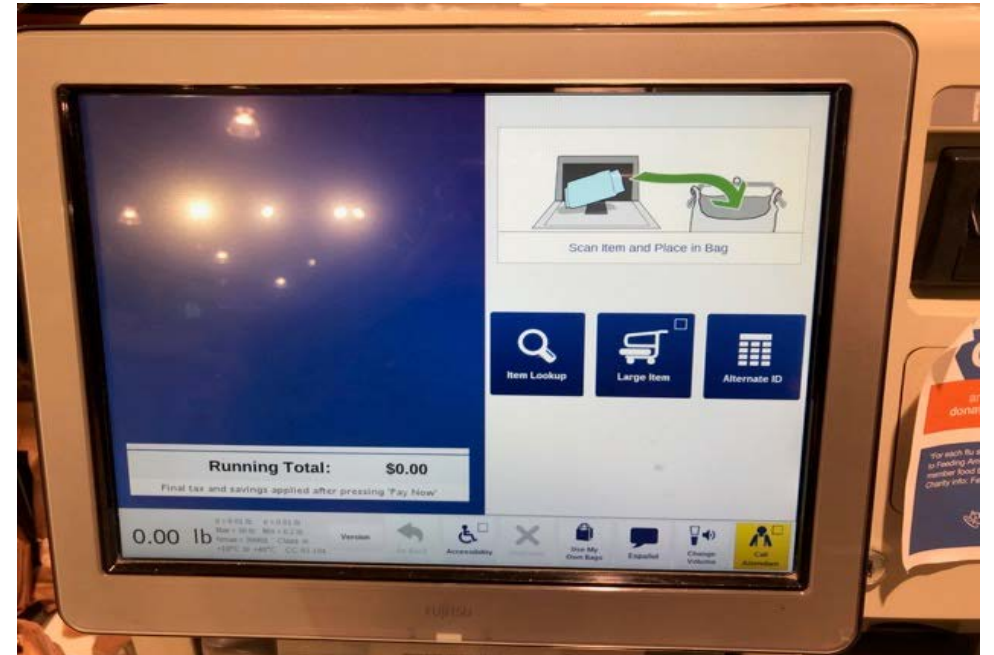
For more information, please register for the in-person, instructor-led training (face-to-face).

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# Kiosk / ATM - Location

- Ensure Kiosk / ATM location is accessible by wheelchair users
- Position Kiosk / ATM in a angle away from bright light source. This causes glare and not accessible to people with low vision
- Place the Kiosk / ATM in a quite location, free of loud noises

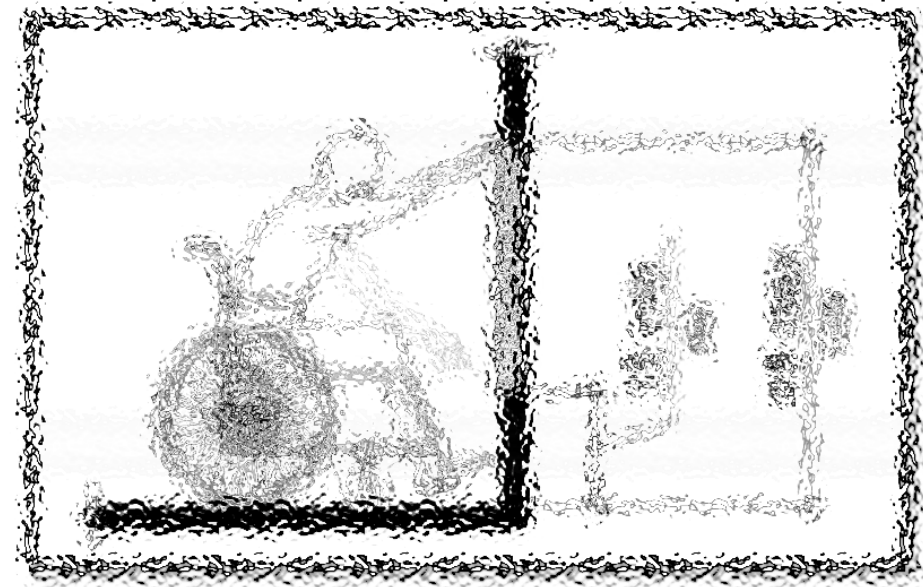
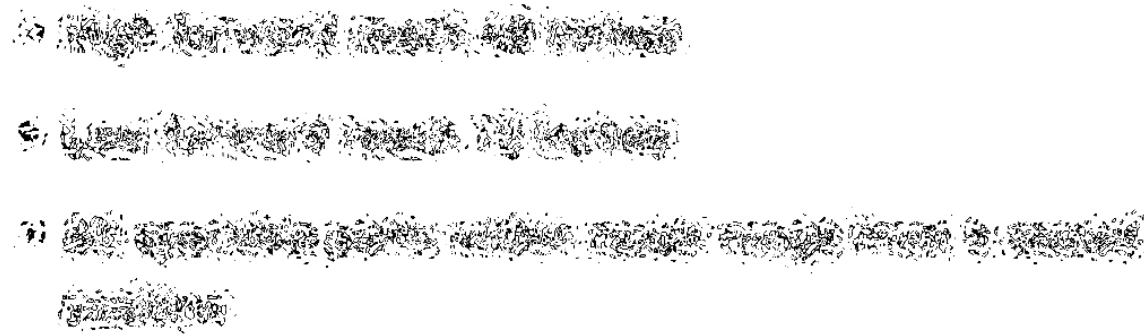


# Kiosk / ATM Access for Blind Users

- Ahmed tries to access the controls from the side of the wheelchair.
- He can insert the bank card and access keypad but cannot reach buttons next to the display screen.
- The headphone plug is available but No screen reading software is installed on the machine.
- Mohammed mentions that he cannot withdraw money from the ATM unless someone helps him.
- Mohammed doesn't think it would cost banks too much to include screen readers. He wishes all ATMs in Qatar are equipped with this software.



# Kiosk/ATM - Reach/Height, Measurement from floor





For more information, please register for the in-person, instructor-led training (face-to-face).

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# Kiosk / ATM - Audio Screen Reader / Headphone Jack

- Head Phone Jack available with raised headphone symbol.
- Braille label or instruction next to the audio jack.
- Audio Screen Reader Enabled; can be repeated or interrupted.
- Volume control for Audio Screen Reader.
- **Important !** When machine is in screen reader mode after headphones are plugged in; ensure the screen goes blank for security of Blind Users



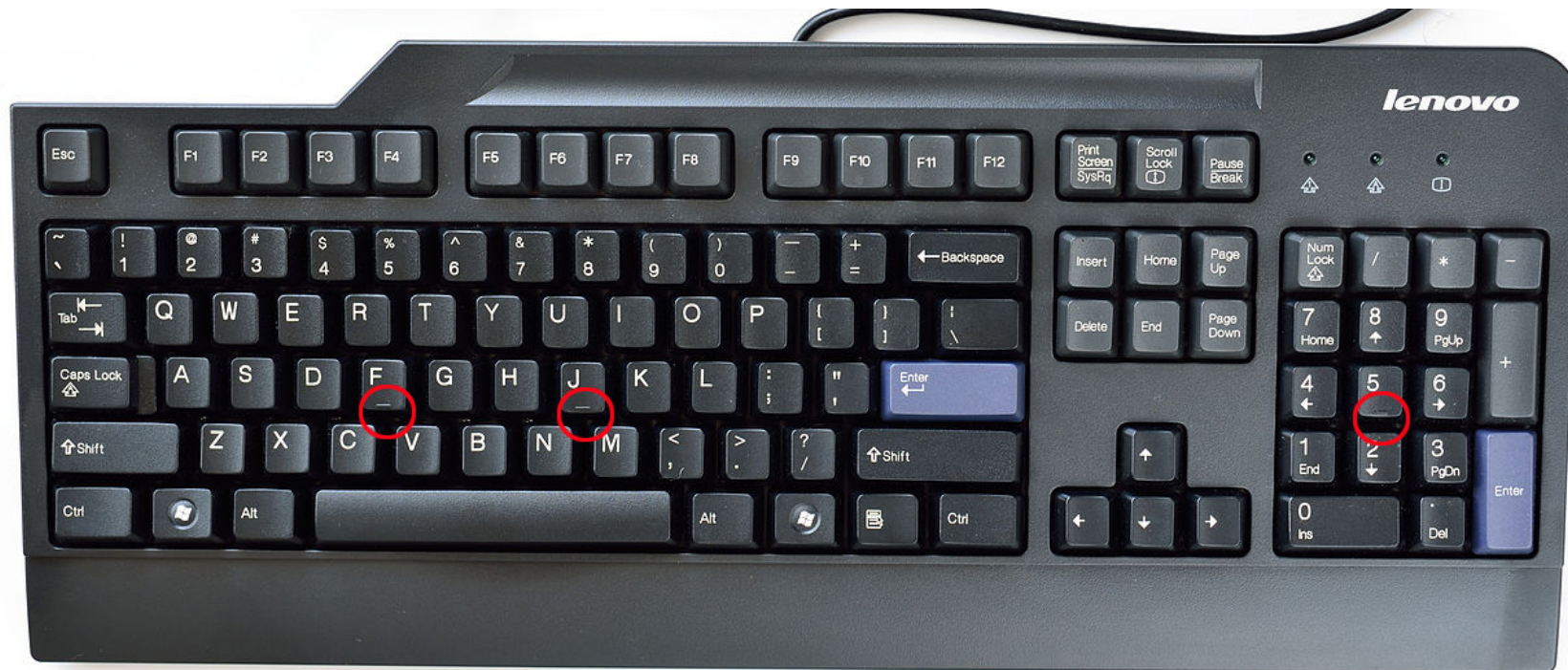
## Kiosk / ATM - Input Controls; Numeric Keys

- Numeric keys arranged in 12-key Ascending Order
- Number "5" key shall be tactilely distinct from other keys (Raised Dot )
- Key protector for privacy and security



# Input Controls; Standard 101 Keyboard

- Ensure the Font on the keyboard is Large San Serif with high color contrast
- Ensure the keyboard is Standard 101 with tactile features on the following keys; “**F**”, “**J**” and “**5**”



# Custom Kiosk – Application and Hardware Interface



# Learning Activity 10 (Screen Contrast)

Please note that the learning activities are available only in In-person Instructor-led Training (face-to-face) format. To register for the workshop, explore our upcoming courses at Mada Academy by visiting this link: [Mada Academy Upcoming Courses](#).

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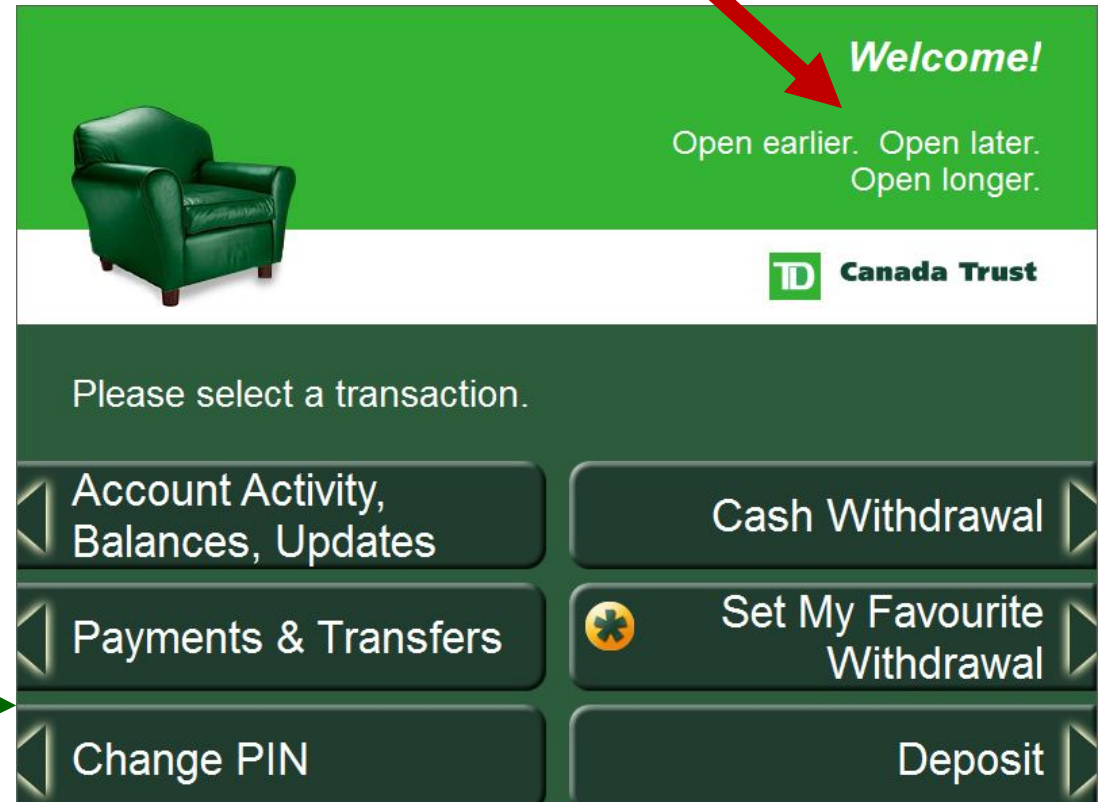
# Kiosk / ATM - Display Screen and Application Interface

- Screen text type: Font, Arial or similar
- Screen text size: 3/16 inch, 16 points
- Screen text: use high color contrast on text and background

Example: use dark blue text on white background, this will yield high color contrast

**High Color Contrast  
Pass !**

**Low Color Contrast  
Fail !**



# Quiz

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# Learning Activity 11 (Internet Websites and Portals)

Please note that the learning activities are available only in In-person Instructor-led Training (face-to-face) format. To register for the workshop, explore our upcoming courses at Mada Academy by visiting this link: [Mada Academy Upcoming Courses](#).

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# Internet Websites and Portals

- Websites must be usable by Assistive Technologies and Keyboard users
- All websites must comply to international standards for Web accessibility; Web Content Accessibility Guidelines; WCAG 2.2, A and AA

The screenshot displays the Bank of England website. At the top left is the Bank of England logo and name. Below it is a navigation menu with links: Home, About the Bank, What the Bank does, Monetary Policy, Banknotes, Markets and Payments, Financial Stability, Prudential Regulation Authority, News and Publications, Statistics, Education and Museum, Research, Careers, and Archive. The main content area features a large banner with the text "Promoting the good of the people of the United Kingdom by maintaining monetary and financial stability". Below this is a "Latest News" section with a headline: "Bank of England statement on the next steps following the discovery of traces of animal-derived products in £5 polymer banknotes", dated 15 February 2017. To the right of the news is a "Key Facts" section with a table of current bank rates and decisions. At the bottom, there is an "In Focus" section with a warning about fraudulent emails and an "Inflation Calculator" tool. A "Museum" section is also visible on the left side of the main content area.

**BANK OF ENGLAND**

Promoting the good of the people of the United Kingdom by maintaining monetary and financial stability

**Latest News**

**Bank of England statement on the next steps following the discovery of traces of animal-derived products in £5 polymer banknotes**

15 February 2017

The Bank recognises the concerns raised about the discovery of traces of tallow used in the production of its £5 polymer notes. Following detailed analysis and further work we are now able to provide an update to the public. [More »](#)

**Key Facts**

<b>Current Bank Rate</b>	▶ 0.25%
<b>View past decisions</b>	Next due: 16 Mar 2017
<b>Quantitative Easing Asset Purchase Programme</b>	▶ £435 bn
<b>More information</b>	Next due: 16 Mar 2017
<b>Corporate Bond Purchases</b>	▶ up to £10 bn
<b>More information</b>	
<b>Current Inflation</b>	▶ 1.8%
<b>Target 2.0%</b>	Next due: 21 Mar 2017

**In Focus**

**Beware of EMAIL SCAMS** Fraudulent emails Received an email saying it's from the Bank of England? - check first! [More »](#)

**£%** **Inflation Calculator** Use our online tool to find out how the cost of goods and services have changed over time [More »](#)

**Museum**

See money come to life at the Museum - open Monday to Friday 10am - 5pm

Join us this half term for 'Toad to the Rescue' - 13 - 17 February

# Mobile Web and Applications

- Mobile and Tablet Apps must be usable by Assistive Technology users.
- All Mobile Apps must comply to international standards for accessibility; WCAG 2.1, A and AA.



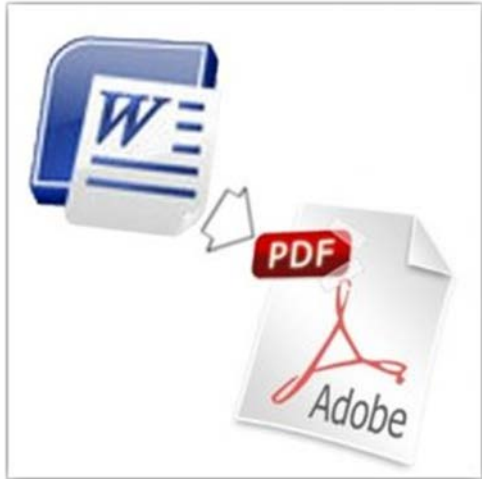
# Learning Activity 12 (Word and pdf Documents )

Please note that the learning activities are available only in In-person Instructor-led Training (face-to-face) format. To register for the workshop, explore our upcoming courses at Mada Academy by visiting this link: [Mada Academy Upcoming Courses](#).

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# Electronic Documents and E-mail

- PDF and Word documents for public distribution must be accessible.
- E-mail communications must be accessible and usable to PWD's.





# ICT Accessibility of Venues

- **Venues;** Exhibits, Art Galleries, Libraries, Public Access Areas, Sport Venues.
- Accessibility starts with; Customer Service Reception and Information.
- Digital Display Systems / Emergency Announcements.
- IT Platforms / Digital Content; Computer Terminals, Tablets, Touch Screens, Internet, Intranet, ATM..
- Assistive Technologies (AT) available for People with Disabilities.
- **Digital Accessibility Guidelines**
  - **ADA** – American Disability Act
  - **WCAG 2.1**; A and AA
  - **European Union's EN** Accessibility Standard's



# Mada Digital Accessibility Accreditation



1. Kiosks and ATM machines
2. Mobile Application
3. Websites

**Website Accreditation is awarded based on the following criteria;**

For Qatar Government, Non-Profit and Private Sector organizations;  
**90% score** or higher in the Mada online web accessibility monitor tool  
**Pass** Mada manual usability assessment review

# Quiz

Please note that Quizzes are available only in In-person Instructor-led Training (face-to-face) format.

To register for the workshop, explore our upcoming courses at Mada Academy by visiting this link:

[Mada Academy Upcoming Courses.](#)

Join us to enhance your skills through our open training opportunities!

# Summary (1/3)

Here's a summary of the workshop content focused on key takeaways and best practices:

## 1. Role and Initiatives of Mada Center

- Key Takeaway: Mada Center is pivotal in promoting ICT accessibility for persons with disabilities in Qatar, with initiatives aimed at mainstreaming digital access.

## 2. Understanding Disability and Accessibility

- Key Takeaway: Disability encompasses physical, mental, cognitive, or developmental impairments, affecting daily activities and interactions.

## 3. Barriers to ICT for Persons with Disabilities

- Key Takeaway: Common barriers include technological, physical, and societal obstacles that hinder the full use of ICT.

# Summary (2/3)

## 4. Legal Aspects of Disability and Accessibility

- **Key Takeaway:** There are critical legal frameworks governing disability rights and ICT accessibility, ensuring protections and inclusivity.(CRPD, SDGs...)

## 5. Standards in ICT Accessibility

- **Key Takeaway:** Various standards ensure that ICT solutions are accessible to all, including the Web Content Accessibility Guidelines (WCAG).

## 6. Digital Content Accessibility

- **Key Takeaway:** Accessibility considerations are crucial when creating digital content to ensure it is usable by everyone, regardless of disability.
- **Best Practice:** Utilize accessible formats and test content with AT to guarantee accessibility.

# Summary (3/3)

## 7. Significance of Web Accessibility

- **Key Takeaway:** Web accessibility is essential for inclusivity, ensuring that all users have equal access to information and functionalities online.
- **Best Practice:** Apply accessibility principles across different IT platforms, regularly updating and auditing websites and applications.

## 8. Enhancing Digital Inclusion

- **Key Takeaway:** A proactive approach towards ICT accessibility promotes a more inclusive digital environment.
- **Best Practice:** Encourage innovation and continuous improvement in accessibility solutions to meet the diverse needs of all users.

# Final Quiz

Please note that Quizzes are available only in In-person Instructor-led Training (face-to-face) format.

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# Thank you

**Mada ICT Accessibility**

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**Mada Academy:** [www.madaacademy.org.qa](http://www.madaacademy.org.qa)



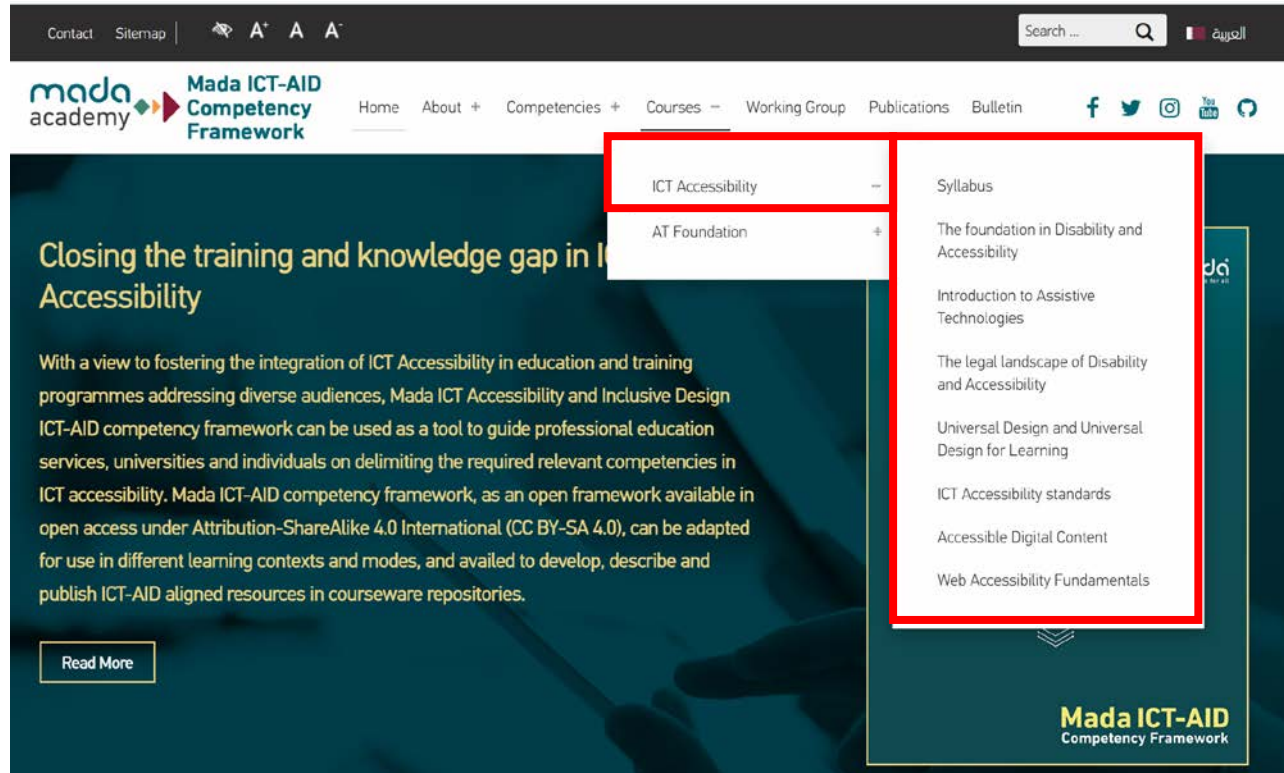
# Final Assessment

Please note that the final assessment is available only in In-person Instructor-led Training (face-to-face) format. To register for the workshop, explore our upcoming courses at Mada Academy by visiting this link: [Mada Academy Upcoming Courses](#).

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# Additional Resources



The screenshot shows the Mada ICT-AID Competency Framework Portal. The main navigation bar includes 'Contact', 'Sitemap', a search bar, and a language selector for 'العربية'. The logo for 'mada academy' and 'Mada ICT-AID Competency Framework' is visible. The main content area features a large heading 'Closing the training and knowledge gap in ICT Accessibility' and a paragraph of text. A dropdown menu is open under the 'Courses' tab, listing 'ICT Accessibility' and 'AT Foundation'. The 'ICT Accessibility' dropdown is highlighted with a red box and contains a list of sub-topics: Syllabus, The foundation in Disability and Accessibility, Introduction to Assistive Technologies, The legal landscape of Disability and Accessibility, Universal Design and Universal Design for Learning, ICT Accessibility standards, Accessible Digital Content, and Web Accessibility Fundamentals. A 'Read More' button is located at the bottom left of the main content area.

To access the ICT Accessibility full course, please visit the [Mada ICT-AID Competency Framework Portal](#).

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- Yesilada, Y., & In Harper, S. (2019). Web accessibility: A foundation for research.
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  - Gould, M., Leblois, A., Cesa Bianchi, F., Montenegro, V., & Studer, E. (2014). Convention on the Rights of Persons with Disabilities 2012 ICT Accessibility Progress Report. Survey Conducted in Collaboration with DPI—Disabled Peoples’ International.
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- [World Wide Web Consortium - Curricula on Web Accessibility.](https://www.w3.org/WAI/curricula/)  
(<https://www.w3.org/WAI/curricula/>)
- [IAAP Educational Training Database – Homepage.](https://a11ytd.org/) (<https://a11ytd.org/>)
- [International Association of Accessibility Professionals - Homepage.](https://www.accessibilityassociation.org/)  
(<https://www.accessibilityassociation.org/>)
- [Coursera - An Introduction to Accessibility and Inclusive Design.](https://www.coursera.org/learn/accessibility)  
(<https://www.coursera.org/learn/accessibility>)

## References (3)

- Usability.gov - Accessibility Glossary Terms. (<https://www.usability.gov/what-and-why/glossary/tag/accessibility/>)
- WCAG - WCAG Glossary. (<https://wcag.com/resource/wcag-com-glossary/>)
- Mada Accessibility & AT Glossary. (<https://glossary.mada.org.qa/glossary/?lang=en>)
- Mada ICT-AID competency framework. (<https://ictaid.mada.org.qa/?lang=en>)
- W3C - Essential Components of Web Accessibility.  
(<https://www.w3.org/WAI/fundamentals/components/>)