Accessible Arab Region: ICT for ALL
Sectors of Intervention

- Technology
- Policies and Procedures
- Education and Training
- Student’s Academic Experiences Virtual & Physical
Technology should be accessible to anyone:

- Softwares
- Hardwares
- Assistive Technology
- Any Form of Technology

Accessible technology Adoption, Development and Procurement

Accessibility Committee
(Faculty, Staff, and Students)
Develop and implement policies and procedures that ensure all technology used in the institution is accessible.

This includes standards for purchasing, developing, and maintaining technology, as well as monitoring and auditing technology for accessibility.
• Ensure awareness among staff, faculty, and students about the importance of accessibility and how to use accessible technology.

• Train the different types of users on disability types and accessibility guidelines, such as Universal Design for Learning (UDL) and the Web Content Accessibility Guidelines (WCAG).
Student’s Academic Experiences Virtual & Physical

Accessible Digital Content

Accessible tools (websites, documents, multimedia can be read with AT)

Accessible Classrooms

Accessible Testing Centers

Trained Staff
Appendix

Going from Zero to Hero
How to start from zero?

1. Promote understanding of disability and training and certification of accessibility professionals

2. Involve Persons with Disabilities in development, promote and monitor digital accessibility policies and programs

3. Adopt international standards for accessibility especially in ICT procurement

4. Partner: multi-stakeholder collaborative efforts
<table>
<thead>
<tr>
<th>Myths</th>
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<tbody>
<tr>
<td>You need $$$$ to implement digital accessibility</td>
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<tr>
<td>Inclusive practices is more work</td>
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<tr>
<td>Accessibility implementation is a project</td>
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<tr>
<td>Accessible design is boring</td>
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<tr>
<td>Digital Accessibility is only for technical people</td>
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<tr>
<td>Accessibility is not always needed</td>
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Key Areas to Integrate ICT Accessibility Across the Organization

Resources
- W3C Web Accessibility Initiative Recommendations
- WCAG Web Content Accessibility Guidelines
- European Agency for Special Needs & Inclusive Education Guidelines
- The Americans with Disability Act (ADA) and Section 508

Management Champions

Evaluation for Accessibility

Recruiting and Hiring

Communications Management Strategies

Governance

Procurement Processes
What are the human resources needed to support accessibility?

- Accessibility officer at the office of student affairs
- Trained IT support staff and technical developers in addition to subject matter expert in digital accessibility
- Trained instructional designers
- Departmental champions in the faculties to guide students and faculty members
- Trained instructors
- Communications office and human resources focal point
What are the existing tech to make the classroom more accessible?

<table>
<thead>
<tr>
<th>Physical accessibility</th>
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<tbody>
<tr>
<td>Audio enhancements that allows options like personal FM listening system</td>
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<td><strong>Variable-speed tape recorders</strong></td>
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<tr>
<td>Speech synthesizers/screen readers</td>
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<td><strong>Portable word processors</strong> via Laptops tablets and phones</td>
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<td>Paper-based computer pen</td>
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<td>Text-to-speech technology</td>
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<tr>
<td>Speech-to-text technology</td>
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<td>Flexible projectors</td>
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<td>Smart boards</td>
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<td>Digital text books</td>
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<td>Cameras</td>
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<td>Control centers allowing the instructors to switch among multiple stream of information</td>
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Make Accessibility the Norm

WCAG 4 main principles:

Perceivable
Operable
Understandable
Robust
# Common Accessibility Tools

## Office 365 applications accessibility features
- MS Word and PowerPoint contain: dictation, read aloud and translate features
- Microsoft Teams for collaborative live sessions also contains live transcription in addition to content accessibility options

## Microsoft Office 365 Accessibility checker
- In **Word**, **Excel**, and **PowerPoint**, select Review > Check Accessibility
- In **Outlook**, select Options > Check Accessibility
- In **OneNote**, select View > Check Accessibility.

## Screen Reader
- **Windows Narrator** (Windows logo key + Ctrl + Enter)
- **Mac Narrator** (Settings->Accessibility)
- **NVDA** (Windows) [http://www.nvda-project.org/](http://www.nvda-project.org/)
- **ORCA** (Linux) [http://projects.gnome.org/orca/](http://projects.gnome.org/orca/)
- **ChromeVox** (Google Chrome) [https://chrome.google.com/webstore/detail/kgejglhpjiefppelpmjiglcjboiplfn](https://chrome.google.com/webstore/detail/kgejglhpjiefppelpmjiglcjboiplfn)

## Web Accessibility Testing Tools
- **WAVE** [https://wave.webaim.org/](https://wave.webaim.org/)
  - This tool uses WCAG 2.1 AA and Section 508

## Email Accessibility checker
- **Accessible Email** [http://www.accessible-email.org/](http://www.accessible-email.org/)

## Color Contrast checker
- **A11Y Color Contrast Accessibility Validator** [https://color.a11y.com/?wc3](https://color.a11y.com/?wc3)
- **Button Contrast Checker** [https://www.aditus.io/button-contrast-checker/](https://www.aditus.io/button-contrast-checker/)

## PDF (Portable Document Format)
- **CommonLook Office Professional:** [https://commonlook.com/accessibility-software/office/](https://commonlook.com/accessibility-software/office/)
<table>
<thead>
<tr>
<th>All Users</th>
<th>Instructors, students &amp; Content Authors</th>
<th>Designers and Developers</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUB Accessibility Checklist</td>
<td>Microsoft Accessibility</td>
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<tr>
<td>Assistive Technology, by Wikipedia</td>
<td>Free Resources, by AbilityNet</td>
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<tr>
<td>Apple Accessibility</td>
<td>Hearing Guide, by Microsoft</td>
<td></td>
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<tr>
<td>Learning Guide (Windows10)</td>
<td>Mobility Guide (Windows10)</td>
<td></td>
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<tr>
<td>Accessible Outlook Quick Guide, GAAD (Global Accessibility Awareness Day) 2019 Lebanon</td>
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<tr>
<td>Preparing an Accessible Multi-lingual Event</td>
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Connect with ABLE

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