Accessible Arab Region: ICT for ALL

December 13, 2022

Sectors of Intervention

Technology

Policies and Procedures

Education and Training

Student's Academic Experiences Virtual & Physical

Technology

Technology should be accessible to anyone:

Softwares

Hardwares

Assistive Technology

Any Form of Technology

Accessible technology Adoption, Development and Procurement

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Accessibility Committee

(Faculty, Staff, and Students)

Policies and Procedures

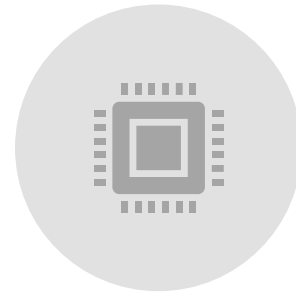Develop and implement policies and procedures that ensure all technology used in the institution is accessible.

This includes standards for purchasing, developing, and maintaining technology, as well as monitoring and auditing technology for accessibility.

Education and Training

- 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).

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

Myths

You need $$$$ to implement digital accessibility

Inclusive practices is more work

Accessibility implementation is a project

Accessible design is boring

Digital Accessibility is only for technical people

Accessibility is not always needed

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
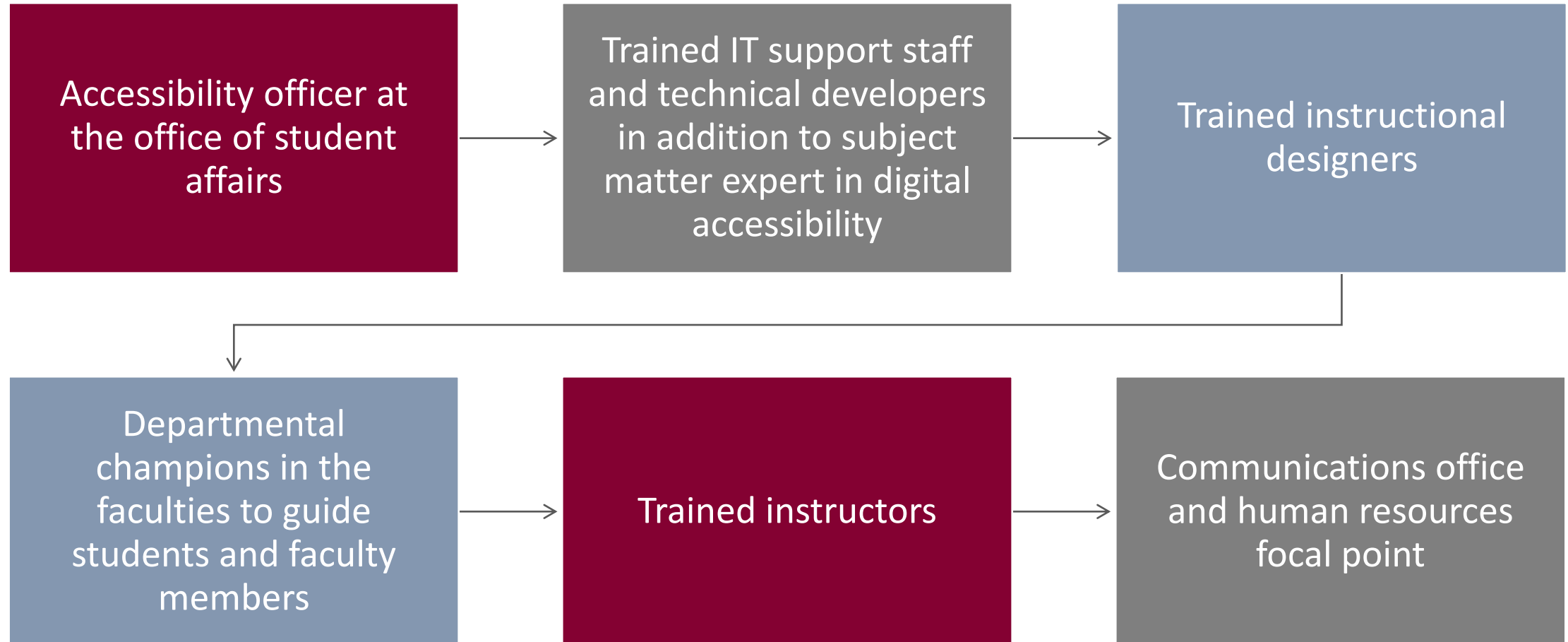
Evaluation for Accessibility

Recruiting and Hiring

Communications Management Strategies

Governance

Procurement Processes

What are the human resources are needed to support accessibility?


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┌──────────────────────┐     ┌──────────────────────────┐     ┌──────────────────────┐
│ Accessibility officer│ ──> │ Trained IT support staff │ ──> │ Trained instructional│
│ at the office of     │     │ and technical developers │     │ designers            │
│ student affairs      │     │ in addition to subject   │     │                      │
│                      │     │ matter expert in digital │     │                      │
│                      │     │ accessibility            │     │                      │
└──────────────────────┘     └──────────────────────────┘     └──────────────────────┘

┌──────────────────────┐     ┌──────────────────────┐     ┌──────────────────────────┐
│ Departmental         │ ──> │ Trained instructors  │ ──> │ Communications office    │
│ champions in the     │     │                      │     │ and human resources      │
│ faculties to guide   │     │                      │     │ focal point              │
│ students and faculty │     │                      │     │                          │
│ members              │     │                      │     │                          │
└──────────────────────┘     └──────────────────────┘     └──────────────────────────┘
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What are the existing tech to make the classroom more accessible?

Physical accessibility

Audio enhancements that allows options like personal FM listening system

[Variable-speed tape recorders](#)

Speech synthesizers/screen readers

[Portable word processors](#) via Laptops tablets and phones

Paper-based computer pen

Text-to-speech technology

Speech-to-text technology

Flexible projectors

Smart boards

Digital text books

Cameras

Control centers allowing the instructors to switch among multiple stream of information

Make Accessibility the Norm
WCAG 4 main principles:

Perceivable Arabic translation. يمكن إدراكه.

Operable قابل للتشغيل

Understandable مفهوم

Robust - الاستمرارية

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/ • **ORCA** (Linux) http://projects.gnome.org/orca/ • **Spoken Web** (Internet Explorer) http://www.spoken-web.com/index.cgi?p=download • **ChromeVox** (Google Chrome) https://chrome.google.com/webstore/detail/kgejglhpjiefppelpmljglcjbhoiplfn
Web Accessibility Testing Tools	• **WAVE** https://wave.webaim.org/ This tool uses WCAG 2.1 AA and Section 508
Email Accessibility checker	• **Accessible Email** http://www.accessible-email.org/
Color Contrast checker	• **A11Y Color Contrast Accessibility Validator** https://color.a11y.com/?wc3 • **Button Contrast Checker** https://www.aditus.io/button-contrast-checker/
PDF (Portable Document Format)	• **Acrobat XI Pro** http://www.adobe.com/products/acrobat/pdf-accessibility-wcag-508-compliance-standards.html • **CommonLook Office Professional**: https://commonlook.com/accessibility-software/office/

ABLE
ACCESSIBILITY FOR
A BOLDER LEARNING EXPERIENCE

All Users	Instructors, students & Content Authors	Designers and Developers	

AUB Accessibility Checklist

Microsoft Accessibility

Assistive Technology, by Wikipedia

Free Resources, by AbilityNet

Apple Accessibility

Hearing Guide, by Microsoft

Learning Guide (Windows10)

Mobility Guide (Windows10)

Speech Guide (Windows10)

Vision Guide, by Microsoft

Accessible Outlook Quick Guide, GAAD (Global Accessibility Awareness Day) 2019 Lebanon

Preparing an Accessible Multi-lingual Event

https://sites.aub.edu.lb/able/library/#

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