

Accessibility Audit report of the website of Ministry of Social Welfare, Government of the People's Republic of Bangladesh



Introduction:

People with visually impaired use Screen Reading Software as Assistive Technology in order to access the computer and internet. They use keyboard to navigate and give command without looking at the monitor or screen. Screen Reading Software read aloud the content or texts that are shown in the screen.

Websites should be properly designed, coded and maintain accessibility guideline to make a website accessible. An accessible website is one which can be used by all its intended visitors, taking into account their differing capabilities. Inaccessible websites can pose significant barriers to people with disabilities.

Evaluation of Accessibility

Website Link: <http://www.msw.gov.bd/>

UI Framework: Skeleton V1.2.

CMS: Drupal.

HTML5 sectioning elements: Partial.

ARIA landmarks: Partial.

Accessibility Status: Inaccessible.

Findings

SKIP LINK

Problem: “Skip to main content” link at the top of the page do not let user bring to main content. Tab key do not defocus or cannot go out from the accessibility menu sections (Tested with NVDA screen reading software). The module or plugin used for accessibility feature in the website actually messed up the accessibility.

Skip links let users bypass repeated blocks of content and move to the main or unique content on a page. The skip link is at the very top of the page, but it’s “hidden”. Normal-sighted people won’t see it. The link will be “activated” by navigating through the page with the Tab button right after the page is loaded. Site visitors who are sighted and navigate with a mouse can usually ignore or quickly skip over content that is repeated throughout the site to focus their attention on the unique or main content of a particular page. Keyboard users, screen reader users, and other assistive technology users typically navigate a web page with keyword.

Page Not Found:

Hidden link of accessibility menu named “Accessibility Help” does not work. Page not found <http://www.msw.gov.bd/accessibility.html>

Missing first level heading

The website does not have a first level heading. The first level heading (h1) is used for site title.

Empty heading

There are many heading contains no content. The “h6” is used as empty.

Misleading heading

Heading levels are not hierarchically arranged.

The primary document header should be an <h1>. Subsequent headings should make logical use of <h2> - <h6> such that screen readers can construct a table of contents for the website pages.

Non Focusable Links :

Focused links and form elements have to be outlined. If a keyboard user reaches a link, it should be outlined on focus.

Inaccessible Header Slider:

User with SCREEN READER won’t know about the images (No image description is found) of the image slider placed at the top of page. Image alt texts shows file name of images.

Images

Null or empty alternative text of most of the images.

Some images places inside the wrong html tag, for example, <input> tag.

Inaccessible contents

The screenshot provided bellow shows different sections and each section has menu items. Some links of menu item point to specific page that contain PDF documents as main content. Most of the PDF documents are inaccessible because Bangla texts presented as image or scan copy. Some links directly linked to PDF document instead of page at the same menu or section.

আমাদের বিষয়ে

- ইতিহাস ও কার্যাবলি
- সাংগঠনিক কাঠামো
- কর্মকর্তাবৃন্দ
- কর্মবণ্টন

জাতীয় শুদ্ধাচার বৌশল

- শুদ্ধাচার কৌশল কর্মপরিকল্পনা
- ফোকাল পয়েন্ট ও বিকল্প কর্মকর্তা
- ত্রৈমাসিক/ ষাণ্মাসিক পরিবীক্ষণ/ মূল্যায়ন/ ফিডব্যাক
- প্রজ্ঞাপন/নীতিমালা/নৈতিকতা/ সুশাসন/নোটিশ/ কার্যবিবরণী

২০২০-২১ অর্থবছরের সার্বিক মূল্যায়নে ৫২টি মন্ত্রণালয়/বিভাগের মধ্যে সমাজকল্যাণ মন্ত্রণালয় উজ্জ্বল কর্মপরিকল্পনা বাস্তবায়নে "৪র্থ স্থান" অর্জন করেছে

মাদার অব হিউম্যানিটি সমাজকল্যাণ পদক/জাতীয় মানবকল্যাণ পদক

- বিজ্ঞান/পদকের ডিজাইন আহবান
- মনোনয়ন শুরু
- নীতিমালা
- অন্যান্য

স্বাধীনতার সুবর্ণ জয়ন্তী

- স্বাধীনতার সুবর্ণ জয়ন্তী উপলক্ষে গৃহীত কর্মসূচি
- সুবর্ণ জয়ন্তী উপলক্ষে গৃহীত কর্মসূচির বাস্তবায়ন অগ্রগতি
- মুক্তিবর্ষ উপলক্ষে মন্ত্রণালয়ের প্রকাশনা

২০২১ সালে ৫৩তম অধিবেশন বাস্তবায়নে অবদান রাখার জন্য মন্ত্রণালয় পর্যায়ে সমাজকল্যাণ মন্ত্রণালয় "দ্বিতীয় স্থান" অর্জন করেছে।

বার্ষিক কর্মসম্পাদন চুক্তি

- এপিএ প্রকাশনা/ নিরীক্ষা/ পরিপত্র/এপিএ টিম/পুরস্কার
- চুক্তিসমূহ
- পরিবীক্ষণ ও মূল্যায়ন প্রতিবেদন
- এপিএএমএস সফটওয়্যার লিংক

অভিযোগ প্রতিকার ব্যবস্থাপনা

- অনিক ও আপিল কর্মকর্তাগণ
- কর্মপরিকল্পনা/ মাসিক/ত্রৈমাসিক/ বার্ষিক/মূল্যায়ন প্রতিবেদন/ কমিটি
- অভিযোগ দাখিল (অনলাইন আবেদন-জিআরএস)
- আইন/বিধি/নীতিমালা/পরিপত্র/ নিরীক্ষা/প্রজ্ঞাপন

২০২১ সালে ৫৪তম অধিবেশন বাস্তবায়নে অবদান রাখার জন্য মন্ত্রণালয় পর্যায়ে সমাজকল্যাণ মন্ত্রণালয় "দ্বিতীয় স্থান" অর্জন করেছে।

External links with Inaccessible sections and contents

Some links opens in new window or blank tab. People with screen reader cannot notice they are about to leave current site or page with new windows or new tabs. Links are set to image or graphic banners which texts are inaccessible, no alt text or title or aria label to convey what the image or banners about. Important texts or number are placed as graphic. Some of these links point to another sites or page which are nor accessible. For example

<https://bangladesh.gov.bd/site/page/91530698-c795-4542-88f2-5da1870bd50c>

In sidebar, inaccessible contents and links opens in new window or external links

The image displays a collection of web banners and advertisements, illustrating various accessibility issues. The banners include:

- Digital Innovation Quiz 2022:** Promoting an online quiz with registration details and a link to innovationquiz.a2i.gov.bd.
- Government 333:** A service banner for government assistance.
- National Help Desk 999:** A banner for a national help desk.
- 109:** A banner for a service number.
- Dunya:** A banner for a service, featuring a mosquito illustration and text about digital literacy.
- Bangladesh Digital Literacy Campaign:** A banner for a digital literacy campaign.
- Dunya (Mosquito):** A banner with a mosquito illustration and text about digital literacy.
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Videos

Embedded videos from YouTube are placed in iframe. Iframes must have a title attribute.

Miscellaneous:

- HTML5 landmarks “Section”, “Article”, “Aside” have to be used.
- Form elements, Links, images etc. have to be outlined with dark color (highlighted) on focus.
- Data table needs header. Mark up header cells with <th> and data cells with <td> elements.
- Not used WAI-ARIA attribute to hide section or element which are intended not to speak by Screen Reader.

The way Screen Reader speaks:

- Screen readers will read the alternative text of images, if alt text is present. JAWS precedes the alternative text with the word “graphic.” If the image is a link, JAWS precedes the alternative text with “graphic link.”
 - Screen readers ignore images without alternative text and say nothing, but users can set their preferences to read the file name.
 - If an image without alternative text is a link, screen readers will generally read the link destination (the href attribute in the HTML markup) or may read the image file name.
 - Screen readers announce headings and identify the heading level. NVDA and JAWS, for example, precede <h1> headings with “heading level 1.”
 - Some screen readers announce the number of links on a page as soon as the page finishes loading in the browser.
 - JAWS says “same page link” if the link destination is on the same page as the link itself and “visited link” for links that have been previously accessed.
 - Screen readers in table navigation mode inform the user how many rows and columns are in a data table.
 - Users can navigate in any direction from cell to cell in table navigation mode. If the table is marked up correctly, the screen reader will read the column and/or row heading as the user enters each new cell.
 - Screen readers inform users when they have entered into a form. Users have the option to enter form navigation mode.
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