Issue Report

Site quality report for https://isds.kmi.open.ac.uk/ produced on January 13, 2025.

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| --- | --- | --- |
| Overall Quality |                                                   | 1 pages with quality issues |
| Errors |                                                   | 1 pages with broken links or other errors |
| Accessibility |                                                   | 1 pages with accessibility problems |
| Compatibility |                                                  | 0 pages with browser specific issues |
| Search |                                                   | 1 pages with search engine issues |
| Standards |                                                   | 1 pages have W3C standards issues |
| Usability |                                                   | 1 pages with usability issues |
| Totals |  | 70 URLs checked |

# Errors

This section shows site quality issues, including broken links and server mis-configurations.

## Priority 1

2 issues on 1 pages

 This link is broken. The src or href is an empty string.

 href='' or src='' can cause unexpected effects such as traffic spikes or cookie corruption, and causes JavaScript error events to fire on Firefox.

Broken Link

Link: URL is empty. <https://isds.kmi.open.ac.uk/> line 786 800

 This page contains some spelling errors.

Click the word to add it to the dictionary. Click it again if you want to remove it.

explainability <https://isds.kmi.open.ac.uk/> line 546

## Informative

These messages are for information only and do not indicate errors or conformance problems.

 The Check Page command does not check links or page weight.

To checks links or page weight on a single page use the Check Page and Links command.

Blocked Links

<https://isds.kmi.open.ac.uk/> line 1

# Accessibility

This section shows accessibility issues, indicating problems for older users, people with disabilities or accessibility needs. Automated testing cannot detect all accessibility issues, so should be used alongside human testing.

## Level A

2 issues on 1 pages

 Clickable controls should be keyboard accessible.

Add tabindex=0 to allow keyboard users to tab to the control.

[WCAG 2.1 A F15](https://www.w3.org/TR/WCAG20-TECHS/F15) [Section 508 (2017) A F15](https://www.w3.org/TR/WCAG20-TECHS/F15)

<https://isds.kmi.open.ac.uk/> line 498

 Clickable controls should have an ARIA role.

Controls that respond to clicks should be given an ARIA role such as role=button or role=link . div span and a elements without an href attribute have no semantic role.

[WCAG 2.1 A F54](https://www.w3.org/TR/WCAG20-TECHS/F54) [Section 508 (2017) A F54](https://www.w3.org/TR/WCAG20-TECHS/F54)

<https://isds.kmi.open.ac.uk/> line 498

## Level AA

3 issues on 1 pages

 Cannot use aria-label or aria-labelledby on elements and roles that prohibit naming.

The div and span elements have an implicit role of generic and cannot be named unless they have a role attribute. The following roles cannot be named: caption code deletion emphasis generic insertion paragraph presentation strong subscript superscript

[HTML5](https://html.spec.whatwg.org/multipage/)  [ARIA 1.2](https://www.w3.org/TR/wai-aria-1.2/#namefromprohibited)

Element role: generic <https://isds.kmi.open.ac.uk/> line 1084

 Do not use the meta viewport tag to disable zoom.

Setting user-scalable=no or maximum-scale to less than 2.0 prevents zooming small text to make it readable. Note that iOS 10+ ignores this setting.

[WCAG 2.1 AA 1.4.4](https://www.w3.org/TR/UNDERSTANDING-WCAG20/visual-audio-contrast-scale.html) [Section 508 (2017) AA 1.4.4](https://www.w3.org/TR/UNDERSTANDING-WCAG20/visual-audio-contrast-scale.html)

<https://isds.kmi.open.ac.uk/> line 6

 Ensure that text and background colors have enough contrast.

• The contrast ratio should be 3.0 or more for 18 point text, or larger
• The contrast ratio should be 3.0 or more for 14 point bold text, or larger
• The contrast ratio should be 4.5 or more for all other text

[WCAG 2.1 AA 1.4.3](https://www.w3.org/TR/UNDERSTANDING-WCAG20/visual-audio-contrast-contrast.html) [Section 508 (2017) AA 1.4.3](https://www.w3.org/TR/UNDERSTANDING-WCAG20/visual-audio-contrast-contrast.html)

The text color to background color contrast ratio after composition is: with color: rgb(0,0,0) background: rgb(205,33,34) font-size: 16.80pt font-weight: 300 with color: rgb(0,0,0) background: rgb(205,33,34) font-size: 16.80pt font-weight: 300 with color: rgb(0,0,0) background: rgb(205,33,34) font-size: 16.80pt font-weight: 300 with color: rgb(0,0,0) background: rgb(205,33,34) font-size: 16.80pt font-weight: 300 with color: rgb(0,0,0) background: rgb(205,33,34) font-size: 16.80pt font-weight: 300 <https://isds.kmi.open.ac.uk/> line 888 893 908 918 ...

## Level AAA

4 issues on 1 pages

 Avoid specifying a new window as the target of a link with target=\_blank .

Displaying new windows without warning can be very confusing to non-sighted and mobile users. Some screen readers and mobile devices give very little indication a new tab or window has opened. If you cannot avoid displaying a new window, insert an "opens in a new window" warning into the link text or add the warning to the link using a title attribute or aria-describedby attribute.

[WCAG 2.1 AAA F22](https://www.w3.org/TR/WCAG20-TECHS/F22.html)

<https://isds.kmi.open.ac.uk/> line 745 780 800 913 ...

 Clickable targets must be at least 44 by 44 CSS pixels.

[WCAG 2.1 2.5.5](https://www.w3.org/WAI/WCAG21/Understanding/target-size.html)

4 x 14 <https://isds.kmi.open.ac.uk/> line 472

 Don't use CSS animations or transitions in interactions without giving the user a way to turn them off.

Use the @media (prefers-reduced-motion) media query to respect user preferences.

[WCAG 2.1 2.3.3](https://www.w3.org/WAI/WCAG21/Understanding/animation-from-interactions.html)

:hover transition: background-size 377.0px 3.8px 16.0px 0.2s :hover transition: background-size 377.0px 3.8px 16.0px 0.2s :hover transition: background-size 369.0px 3.8px 369.0px 55.4px 0.2s :hover transition: background-size 454.0px 3.8px 16.0px 0.2s :hover transition: background-size 341.0px 3.8px 341.0px 51.1px 0.2s <https://isds.kmi.open.ac.uk/> line 472 489 495 558 ...

 Ensure that text and background colors have a 7:1 contrast ratio.

• The contrast ratio should be 4.5 or more for 18 point text, or larger
• The contrast ratio should be 4.5 or more for 14 point bold text, or larger
• The contrast ratio should be 7.0 or more for all other text

[WCAG 2.1 AAA 1.4.6](https://www.w3.org/WAI/WCAG21/Understanding/contrast-enhanced.html)

The text color to background color contrast ratio after composition is: with color: rgb(0,0,0) background: rgb(205,33,34) font-size: 20.40pt font-weight: 400 with color: rgb(0,0,0) background: rgb(205,33,34) font-size: 19.20pt font-weight: 700 with color: rgb(0,0,0) background: rgb(205,33,34) font-size: 19.20pt font-weight: 700 with color: rgb(0,0,0) background: rgb(205,33,34) font-size: 19.20pt font-weight: 700 with color: rgb(0,0,0) background: rgb(205,33,34) font-size: 20.40pt font-weight: 400 <https://isds.kmi.open.ac.uk/> line 548 548 733 876 937 ...

## Informative

These messages are for information only and do not indicate errors or conformance problems.

 WCAG Success Criteria 4.1.1 is always satisfied for HTML and XML pages.

Since WCAG 2 4.1.1 was written, the HTML Standard has added requirements specifying exactly how browsers handle incomplete markup, incorrectly nested elements, duplicate attributes, and duplicate IDs. This means the "except where the specifications allow" condition in 4.1.1 is satisfied.

[WCAG 2.1 4.1.1](https://www.w3.org/TR/UNDERSTANDING-WCAG20/ensure-compat-parses.html)

<https://isds.kmi.open.ac.uk/> line 1

# Compatibility

This section shows pages that exhibit browser-specific behavior, or trigger browser bugs.

# Search

This section shows search engine guideline violations, and pages that don't comply with search optimization best practices.

## Priority 1

1 issues on 1 pages

 This page has more than one h1 element, which violates Bing webmaster guidelines.

Leave the title of the main content as h1 and change other h1 elements to a lower heading level.

[Bing](https://www.bing.com/webmasters/help/webmasters-guidelines-30fba23a)

<https://isds.kmi.open.ac.uk/> line 562 596 620 645 671 ...

## Priority 2

1 issues on 1 pages

 This page has more than one title element. Only the first title is displayed in search results.

Best Practice

<https://isds.kmi.open.ac.uk/> line 27 40

# Standards

This section shows pages that do not comply with W3C standards.

## Priority 1

11 issues on 1 pages

 Attribute href not allowed on element.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://isds.kmi.open.ac.uk/> line 431

 Attribute mask-type not allowed on element.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://isds.kmi.open.ac.uk/> line 1920 1940 1964 2011 2035 ...

 Bad value for attribute for .

[HTML5](https://html.spec.whatwg.org/multipage/)

An ID must not be the empty string. for= <https://isds.kmi.open.ac.uk/> line 359

 Bad value for attribute href .

[HTML5](https://html.spec.whatwg.org/multipage/)

Unexpected character |Open+Sans:400,700&subset=latin-ext in query string href=https://fonts.googleapis.com/css?family=Montserrat <https://isds.kmi.open.ac.uk/> line 75

 Duplicate attribute href .

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://isds.kmi.open.ac.uk/> line 687

 Element div not allowed as child element in this context.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://isds.kmi.open.ac.uk/> line 433

 Element title not allowed as child element in this context.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://isds.kmi.open.ac.uk/> line 99

 Reference to non-existent ID.

[HTML5](https://html.spec.whatwg.org/multipage/)

id= <https://isds.kmi.open.ac.uk/> line 359

 Saw <!-- within a comment. Probable cause : Nested comment (not allowed).

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://isds.kmi.open.ac.uk/> line 1733

 Text not allowed.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://isds.kmi.open.ac.uk/> line 102

 The value of the for attribute of the label element must be the ID of a non-hidden form control.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://isds.kmi.open.ac.uk/> line 445

## Priority 2

4 issues on 1 pages

 aria-required is unnecessary for elements with a required attribute.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://isds.kmi.open.ac.uk/> line 422 426 442

 Cannot use aria-label or aria-labelledby on elements and roles that prohibit naming.

The div and span elements have an implicit role of generic and cannot be named unless they have a role attribute. The following roles cannot be named: caption code deletion emphasis generic insertion paragraph presentation strong subscript superscript

[HTML5](https://html.spec.whatwg.org/multipage/)  [ARIA 1.2](https://www.w3.org/TR/wai-aria-1.2/#namefromprohibited)

Element role: generic <https://isds.kmi.open.ac.uk/> line 1084

 The contentinfo role is unnecessary for element footer .

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://isds.kmi.open.ac.uk/> line 942

 The navigation role is unnecessary for element nav .

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://isds.kmi.open.ac.uk/> line 476

# Usability

This section shows general usability issues, indicating navigation problems for all users.

## Priority 2

1 issues on 1 pages

 Omitting img width or height attributes makes the page layout jump about as images load.

This makes the page very hard to read or click while it's loading. Fix by adding width and height attributes to the img tag matching the image dimensions. In responsive layouts, specifying width and height prevents layout jumping because the browser can pre-calculate the final image size when CSS like this is used: img { max-width: 100%; height: auto }

[Usability.gov 14:3](https://www.powermapper.com/products/sortsite/rules/usegov14.3/) [W3C](https://developer.mozilla.org/en-US/docs/Web/Media/images/aspect_ratio_mapping)

<https://isds.kmi.open.ac.uk/> line 559 586 766 781 797 ...

## Priority 3

3 issues on 1 pages

 Radio buttons are easier to use than drop-downs when there are 6 choices or fewer.

One usability study showed radio buttons give reliably better performance than drop-down lists for mutually exclusive selections. If screen space allows use radio buttons instead of lists/dropdowns with fewer than 7 items.

[Usability.gov 13:9](https://www.powermapper.com/products/sortsite/rules/usegov13.9/)

<https://isds.kmi.open.ac.uk/> line 431

 Use at least a 12-point font on all web pages.

• <p style="font-size: 11pt;" >
• <p style="font-size: 15px;" >
• <p style="font-size: small;" >
• <font size="2" >
• <font size="-1" >

[Usability.gov 11:8](https://www.powermapper.com/products/sortsite/rules/usegov11.8/)

<https://isds.kmi.open.ac.uk/> line 81

 Use link text between 3 and 100 characters so it's long enough to be understood, but avoids line wrapping.

A single word text link may not give enough information about the link's destination. A link that is a full sentence is difficult to read quickly, particularly if it wraps to another line.

[Usability.gov 10:11](https://www.powermapper.com/products/sortsite/rules/usegov10.11/)

<https://isds.kmi.open.ac.uk/> line 908 923 928 933