

How Accessible Is Our VLE?

A Data-Driven Review Using the Brickfield Accessibility+ Toolkit

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1. Introduction

Accessibility underpins an inclusive curriculum – ensuring diverse materials, flexible teaching, and fair assessment for all learners.

Aim

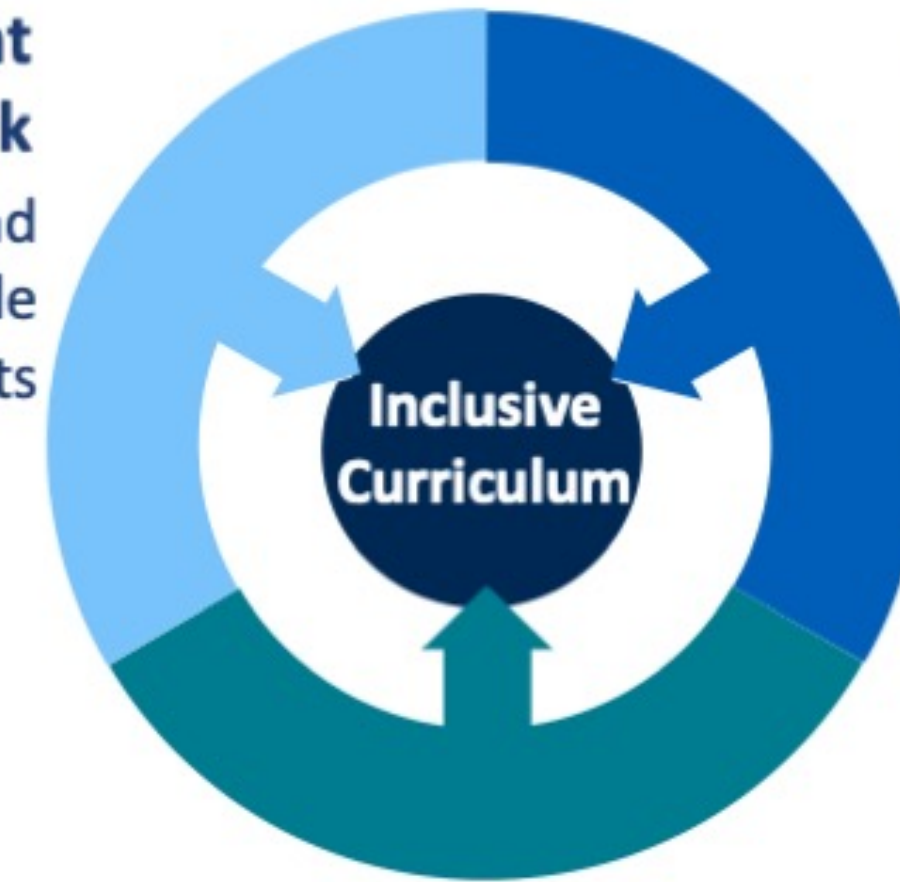
- To evaluate and improve the accessibility of QMplus modules using Brickfield Accessibility+ data.

Objectives

- Identify common accessibility issues across modules.
- Use Brickfield's data to measure performance.
- Develop practical actions for staff to improve accessibility.

Assessment & Feedback

Designing fair and accessible assessments



Teaching Materials

Ensuring content is accessible and diverse

Teaching Methods

Using varied instructional approaches

2. Method / Data Collection

- A Teaching Assistant reviewed all JP/JEI modules (sem1) using the *Brickfield Accessibility+ Report*.
- Data collected for each module: **Total, passed, and failed activities**, and **Number & type of issues**.
- Developed two complementary metrics:
 - Brickfield Accessibility Score (BAS)** → coverage of accessibility:

$$BAS = \frac{\text{Passed Activities}}{\text{Total Activities}} \times 100 \quad (1) \quad (\uparrow \text{ better})$$

- Error Density Score (EDS)** → quality of accessibility:

$$EDS = \frac{\text{Total Errors}}{\text{Total Activities}} \quad (2) \quad (\downarrow \text{ better})$$

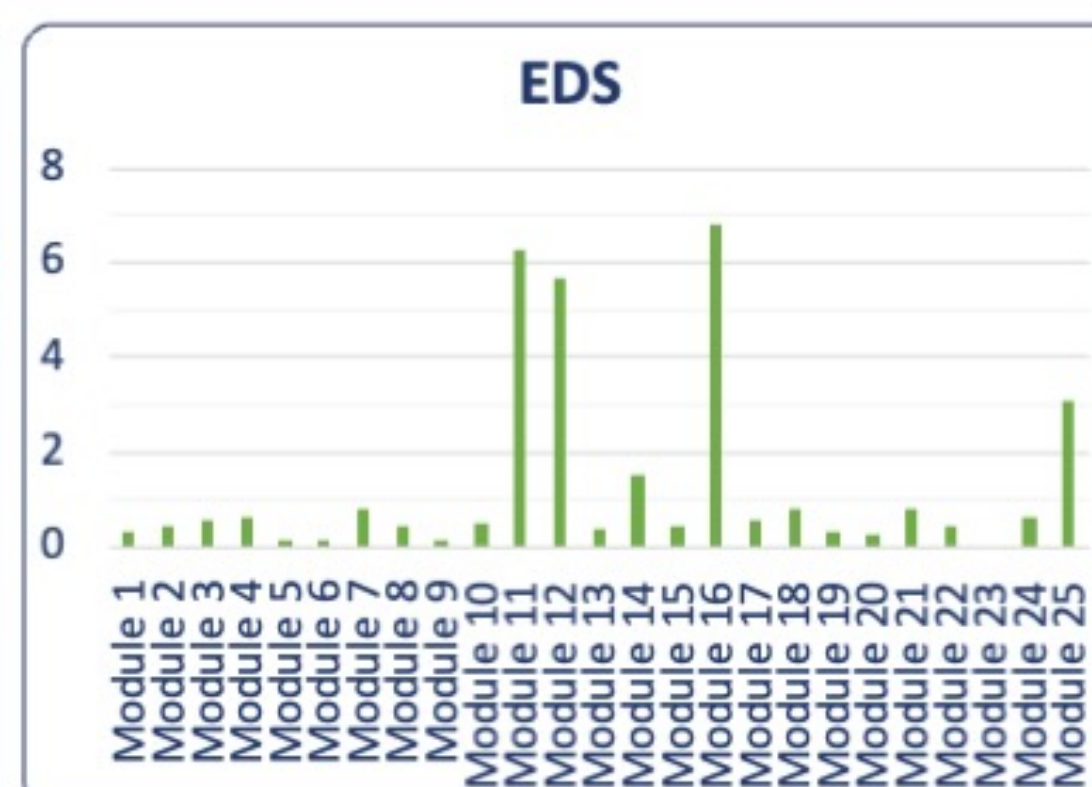
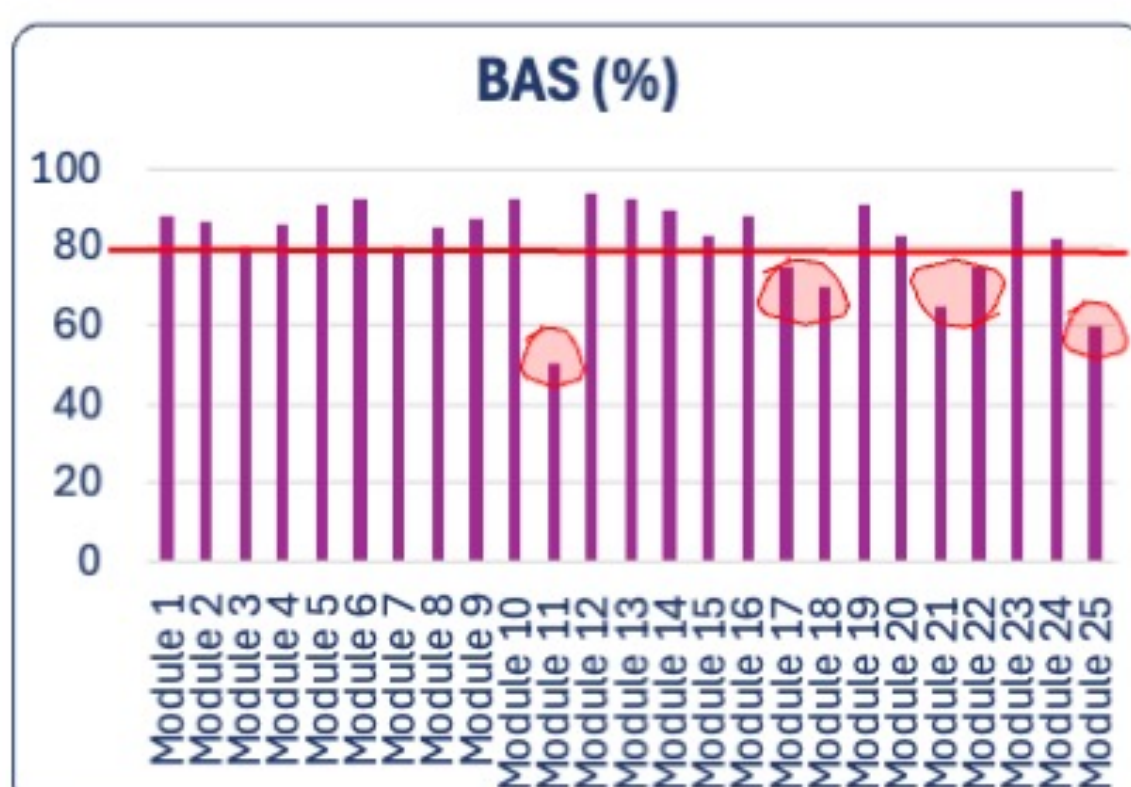
Interpretation

- BAS shows *how much* content is accessible, not how repetitive issues are.
- EDS shows *how often* issues occur, not how widely they spread.
- Combined as an **Accessibility Index** to reflect both *coverage* and *quality* of accessibility.

BAS (%)	EDS	Accessibility Index
≥90	<1	Excellent
80–89	1–3	Good
70–79	3–5	Fair
50–69	5–10	Poor
<50	>10	Critical

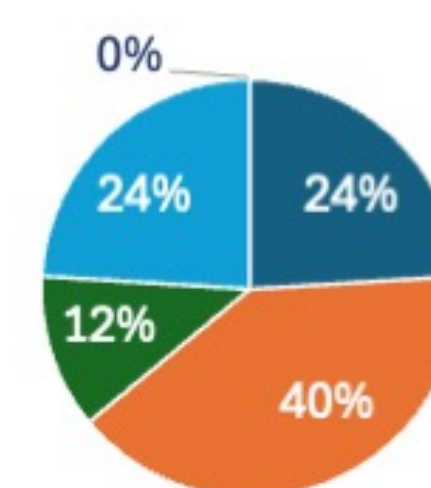
Key Findings

- Most modules scored above 80%, showing strong accessibility coverage.
- A few modules show higher EDS, suggesting clustered issues.
- Accessibility Index:** overall strong but uneven performance.
- Most issues stem from text content, not multimedia/layouts.

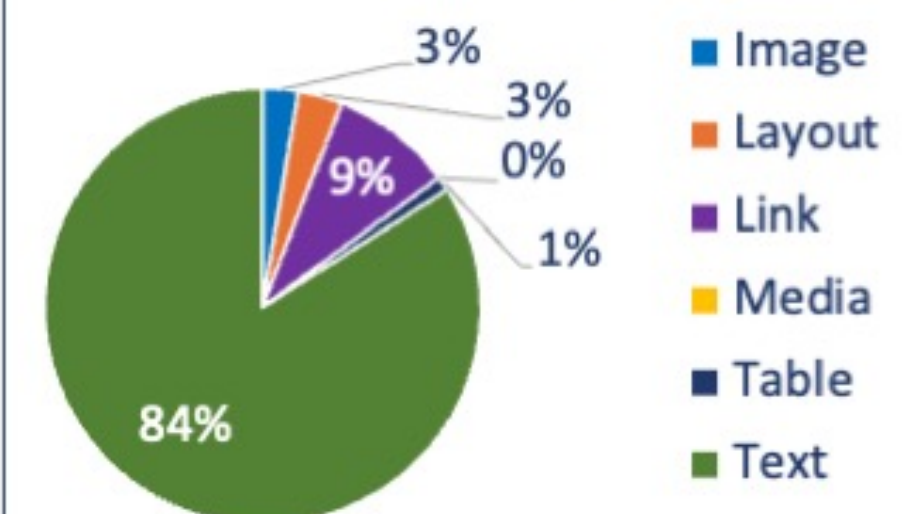


Accessibility Index

- Excellent
- Good
- Fair
- Poor
- Critical



Most Frequent Issues by Content Type



3. Turning Findings into Action

- ✓ Check your module's *Accessibility+ Report*.
- ✓ Start with easy issues first using Brickfield's 'Fix' tool.
- ✓ **Auto-fixable issues (one-click bulk fix):**
 - HTML formatting, link text, and missing tags.
- ✓ **Manual fixes (academic input):**
 - Alt text for images, colour contrast, headings, and emojis with context.

4. Impact

- Increased awareness of accessibility.
- Data-driven improvements.
- Foundation for sustainable inclusive practice.

Small, consistent accessibility improvements across all modules help create an inclusive learning environment for all.