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| Title | **Develop website using client side scripting languages** | | |
| Level | **4** | **Credits** | **10** |

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| Purpose | The competency standard is designed to assist to use JavaScript, html and cascading style sheets in a website System. |

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| Classification ISCED | 0613 Software and applications development and analysis |

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| Available grade | Competent / Not yet competent |

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| Modification history | N/A |

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| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
| **F1: Write HTML for a website** | **The trainee will be able to:**  **P1.** Write Hypertext Mark-up Language (HTML) of a website  **P2.** Implement HTML concepts such as:   * Elements * HTML Editors * Attributes * Headings * Paragraphs * Formatting * Links * Head * Images Tables * Lists * Block * Layout * Forms * IFrames * Colours * Entities * URL Encode * Form * Media * Object * Audio * Video. | **The trainee will be able to:**  **K1.** Define the Hypertext Mark-up Language (HTML)  **K2.** Elaborate the implementation process of the HTML concepts |

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|  | **P3.** Implement HTML in software such as:   * Macromedia Dreamweaver/ Microsoft FrontPage. |  |
| **F2: Use JavaScript in a website** | **The trainee will be able to:**  **P1.** Demonstrate client side scripting language  **P2.** Implement JavaScript  **P3.** Implement the basic Java Scripting concepts such as JavaScript Statements   * Objects * Output * Comments * Variables * Data Types * Functions * Operators * Comparisons * Conditions * Switch * For Loop * While Loop * Breaks * Errors * Validation | **The trainee will be able to:**  **K1.**Define client side scripting language  **K2.** Explain Java Script  **K3.**Illustrate the implementation process of the basics Java Script concepts |

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|  | * Window |  |
| **F3: Implement Cascading Style Sheets (CSS) in a website** | **The trainee will be able to:**  **P1.** Apply Cascading Style Sheets (CSS)  **P2.** Implement the basic concepts of CSS such as:   * CSS Syntax * Id & Class * Styling of Backgrounds * Text * Fonts * Links * Lists and Tables * CSS Border * Outline * Margin * Padding * Dimension * Positioning * Floating * Align * Colours * Colour HEX   **P3.** Implement CSS usage:   * Macromedia Dreamweaver / Microsoft FrontPage | **The trainee will be able to:**  **K1.**Define and explain Cascading Style Sheets (CSS)  **K2.**Elaborate the implementation process of the basic concepts of CSS |