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| Title | **Develop website using server side scripting languages** | | |
| Level | **4** | **Credits** | **20** |

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| Purpose | The competency standard is designed to develop the skills, knowledge and understanding required to develop a website in PHP and… (?) |

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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** |
| **G1: Develop a website using PHP** | **The trainee will be able to:**  **P1.** Apply PHP  **P2.** Install PHP Editor such as:  Macromedia Dreamweaver  **P3.** Employ the PHP Environment and Syntax  **P4.** Implement the:   * PHP Variable Types * PHP Constants * Operator Types * PHP Decision Making * PHP Loop Types * PHP Arrays * PHP Strings * PHP GET and POSTPHP Files * PHP Functions * PHP Cookies and Sessions * PHP Sending Emails * PHP File Uploading * PHP Coding Standard * PHP Predefined Variables * PHP Regular Expressions * PHP Error Handling * PHP Built-in Functions   **P5.** Install and configure MySQL database with a PHP website  **P6.** Create dynamic web pages in PHP | **The trainee will be able to:**  **K1.**Define PHP  **K2.**Introduce PHP Editor  **K3.**Explain the PHP Environment and Syntax  **K4.**Install and Configure MySQL Database with PHP website  **K5.**Define dynamic web pages in PHP |
| **G2: Develop a website using ASP.NET** | **The trainee will be able to:**  **P1.** Employ Asp.Net  **P2.** Install Visual Studio.Net / Visual Web Developer to a computer  **P3.** Explain the Dot Net Framework  **P4.** Recognise environment of Visual Studio.Net / Visual Web Developer  **P5.** Explore the toolbars and windows of Visual Studio.Net / Visual Web Developer  **P6.** Identify different views of a web page such as:   * Design View * Source View * Code View   **P7.** Put into practice the implementation of the HTML Controls such as:   * Table * Div * Image * Text area etc.   **P8.** Apply the Server Controls such as:   * Button * Textbox * Hyperlink * Radio Button * Calendar * Panel * Label etc. | **The trainee will be able to:**  **K1.**Define Asp.Net  **K2.**Elaborate the Installation process of Visual Studio.Net / Visual Web Developer to your computer  **K3.**Give detail of the Dot Net Framework  **K4.**Explain the environment of Visual Studio.Net  / Visual Web Developer  **K5.**Explain the implement the HTML Controls  **K6.**Define the Server Controls |

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|  | **P9.** Execute the Data Server Controls such as:   * Grid View * Details View * Form View * SQL DataSource * Access DataSource etc.   **P10.** Demonstrate the Validation Controls such as:   * + Required Field Validator   + Range Validator   + Validation Summary etc.   **P11.** Apply the Navigation Controls such as:   * Menu * Tree View etc.   **P12.** Apply the Login Controls such as:   * + Login   + Login View   + Password Recovery etc.   **P13.** Demonstrate:   * + Web Form   + Master Page   + Web User Control   + HTML Page and Style Sheet. | **K7.**Explain and implement the Data Server Controls  **K8.**Describe the Validation Controls  **K9.**Tell about the Navigation Controls  **K10.** Define the Login Controls  . |