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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. |