WEBSITE DESIGN

UNIT CODE: IT/CU/ICT/CR/5/6

Relationship to Occupational Standards
This unit addresses the unit of competency: **designing a website**

Duration of Unit: 200hours

Unit Description
This unit specifies competencies required Design a Website. It involves gathering data required, determining website design tool, developing functional website, host website developed and perform website routine maintenance.

Summary of Learning Outcomes
1. Gather data required
2. Determine Website design tool
3. Develop functional website
4. Host Website developed
5. Perform Website Routine Maintenance

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Method
1. Gather data required for web site development	❑ Meaning of web terms. ❑ Importance of website ❑ Types of websites ❑ Website requirements ❑ Web Programming languages	• Observation • Written • Oral
2. Determine Website design tool	❑ Types of website authoring tools ❑ Criteria of choosing website authoring tools ❑ Installation and configuration of website authoring tools ❑ Use of website authoring tools	• Observation • Written • Oral

3. Develop functional website	❑ HTML CODING
	  ✓ Formatting tags
	  ✓ hyperlinks tag
	  ✓ tables tags
	  ✓ frames tags
		• Observation
		• Written
		• Oral

	✓ forms tags
	✓ list tags
	❑ SCRIPTIN*G*
	    ✓ functions of scripting languages
	    ✓ types of scripting languages
	❑ Java scripting
	    ✓ JS Statements
	    ✓ JS Variables
	    ✓ JS Operators
	    ✓ JS Data Types
	    ✓ JS Functions
	    ✓ JS Objects
	    ✓ JS Events
	    ✓ JS Strings
	    ✓ JS Numbers
	    ✓ JS Arrays
	PHP
	    ✓ importance of PHP
	    ✓ PHP Syntax
	    ✓ PHP Variables
	    ✓ PHP Data Types
	    ✓ PHP Operators
	    ✓ PHP control structures
	    ✓ PHP Functions
	    ✓ PHP Arrays
	    ✓ PHP Forms
	❑ Database creation
	❑ Database Linkage	

4. Host Website developed	❑ Website hosting process ❑ Factors to consider when selecting a host ❑ Legal and regulatory requirements ❑ Domain name ❑ Uploading web site ❑ Security measures	• Observation • Written • Oral
5. Perform Website Routine Maintenance	❑ Importance of website testing ❑ Components of the website functionalities ❑ Creation, update and archiving of contents ❑ Generate maintenance report as per	• Observation • Written • Oral

	internal policy	

Suggested Methods of Delivery
- Presentations and practical demonstrations by trainer
- Guided learner activities
- Research project assignments
- Supervised activities and projects in a workshop

The delivery may also be supplemented and enhanced by the following, if the opportunity allows:
- Visiting expert worker from the ICT sector
- Industrial visits.

Recommended Resources

Tools
Web development suite

- ✓ Dream weaver
- ✓ HTML
- ✓ CMS

Equipment
- ✓ Computer
- ✓ Software suite
- ✓ Hosting server

Materials and supplies
- Digital instructional material including DVDs and CDs;
- Internet connectivity
- Power

Reference materials
e-books
journals