Competency Standards for National Skill Certificate – 4 in Web Design and Development in ICT Sector

Course Structure

SL		Unit Code and Title Unit Code and Title			
Generic Competencies					
1	GU008L2V1	Work in a team environment	2	20	
2	GU009L3V1	Practice negotiation skill	3	20	
Occupation Specific Competencies					
1	OUWDF001L4V1	Develop a dynamic website using server- side scripting language	4	100	
2	OUWDF002L4V1	Design and Administer database	4	50	
3	OUWDF003L4V1	Develop website using CMS	4	80	
4	OUWDF004L4V1	Host a website	4	10	
5	OUWDF005L4V1	Maintain and secure website	4	30	
6	OUWDF006L4V1	Perform web analytics	4	30	
7	OUWDF007L4V1	Use version control systems in web development environments	4	20	
Total Nominal Learning Hours					

Units & Elements at Glance

Generic Competencies

Code	Unit of Competency	Elements of Competency	Duration (Hours)
GU008L2V1	Work in a team environment	 Define team role and scope Identify individual role and responsibility Participate in team discussions Work as a team member 	20
GU009L3V1	Practice negotiation skill	Plan negotiations Participate in negotiations	20
		Total Hours:	40

Occupation Specific Competencies

Code	Unit of Competency	Elements of Competency	Duration (Hours)
OUWDF001L4V1	Develop a dynamic website using server-side scripting language (PHP/Python/JAV A /Asp.net/Ruby on rails/Node.js)	1. Plan for apply server-side scripting language 2. Apply server-side scripting language (PHP/Python/JAVA/Asp.net/Ruby/Node.js) 3. Test the website	100
OUWDF002L4V1	Design and Administer database	Plan to design database Implement database Test the database	50
OUWDF003L4V1	Develop website using CMS	Download and install the CMS Develop website using CMS Create rich content to website Test the website	80
OUWDF004L4V1	Host a website	Select and configure the domain Select and configure the server Test the site	10
OUWDF005L4V1	Maintain and secure website	Identify security features Plan a backup for file system and database Design and apply security features Check security logs, monitor performance and report security status	30
OUWDF006L4V1	Perform web analytics	Integrate web traffic monitoring tools Monitor and report web traffic Apply on-page SEO Test the site	30
OUWDF007L4V1	Use version control systems in web development environments	 Prepare to use VCS Build files in VCS Check and finalize use of VCS 	20
		Total Hours:	320