APPROVED

IT7003: Networking and Data Communications 2

Course Details	
Course Code:	IT7003
Course Title:	Networking and Data Communications 2 APPROVED
Short Title:	Networking 2
Course Level::	Level 7
Valid From::	2021/2022 Sem 1
Credits::	15
Owner:	ICT
Assessment Method:	Achievement
Course Aim	
	To provide students with skills in building LANs, VLANs and WANs using networking technology. Students will configure local networks and manage switches. Students obtain skills in Wifi networks and access point configuration for Wifi networks. Students are introduced to WAN protocols and build a WAN using different WAN's technologies and protocols. Also, Students are introduced to different IP addressing services and network device security.

CILO	
On Completion of this course, the learner will be able to	
#	**Learning Outcome Description**
1	Demonstrate advanced knowledge of the required protocols for VLAN implementation
2	Implement and troubleshoot the VLAN Trunking Protocol (VTP), Inter-VLAN Routing and Spanning Tree Protocol (STP)
3	Demonstrate advanced knowledge of the required protocols for WAN implementation
4	Plan and configure LAN and WAN network connections and differentiate between WAN and LAN equipment and protocols
5	Design a network security policy by using Access Control Lists (ACLs) and IP addressing services to implement this policy

Requisites
• Pre Requisite: IT6003

Examinations	
Assessment Type Examination (Practical)	
Assessment Type Examination (Practical)	

Other Controlled Assessments	
Assessment Type Multiple-choice test	

Uncontrolled Assessments	
Assessment Type Practical Project	

Affiliated Entities

Entity Code	Entity Title	Entity Version	Entity Type
ENT6060	Diploma of Engineering Technology (Communications and Networks)	1	Programme
ENT7060	Associate Degree in Engineering Technology (Communications and Networks)	1	Programme
ENT8060	Bachelor of Engineering Technology (Communications and Networks)	2	Programme
ICT6010	Diploma in Information and Communications Technology	4	Programme
ICT7022	Associate Degree in Information and Communications Technology (Information Systems)	1	Programme
ICT7051	Associate Degree in Information and Communications Technology (Cyber Security)	1	Programme
ICT8020	Bachelor of Information and Communications Technology (Management Information Systems Major)	2	Programme
ICT8021	Bachelor of Information and Communications Technology (Information Systems Major)	1	Programme
ICT8022	Bachelor of Information and Communications Technology (Information Systems Major)	1	Programme
ICT8030	Bachelor of Information and Communications Technology (Networking Major)	2	Programme
ICT8031	Bachelor of Information and Communications Technology (Networking Major)	1	Programme
ICT8050	Bachelor of Information and Communications Technology (Cyber Security Major)	2	Programme
ICT8051	Bachelor of Information and Communications Technology (Cyber Security Major)	2	Programme
No Code Yet	Copy Of Associate Degree in Engineering Technology (Communications and Networks)	1	Programme
No Code Yet	Copy Of Bachelor of Information and Communications Technology (Cyber Security Major)	1	Programme
No Code Yet	test Bachelor of Information and Communications Technology	1	Programme
ICTDip-Optional	ICT Diploma Optional	1	Group