

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::	2017/2018 Sem 3
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. LAN and VLAN building are achieved using the protocols VTP, STP, and RSTP. Students obtain skills in Wifi networks and access point configuration for Wifi networks. Students are introduced to WAN protocols and build a WLAN using PPP and Frame Relay.

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On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Describe the protocols that allow a VLAN to be implemented
2	Implement and troubleshoot the VLAN Trunking Protocol (VTP), Inter-VLAN Routing and Spanning Tree Protocol (STP).
3	Describe the protocols that allow a WAN to be implemented
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	
<ul style="list-style-type: none"> (<div> Pre Requisite: ITB5003 OR Pre Requisite: IT6003 Networks and Data Communications v3 </div>) 	

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
ICT8020	Bachelor of Information and Communications Technology (Management Information Systems Major)	2	Programme
No Code Yet	Copy Of Associate Degree in Engineering Technology (Communications and Networks)	1	Programme
No Code Yet	test Bachelor of Information and Communications Technology	1	Programme