



ICT technician wireless training – Configuration and Deployment

<i>Timing</i>	<i>Description</i>
09:15-09:30	Course registration
09:30-09:45	Module 1 - Wireless LAN Origins <ul style="list-style-type: none">• Overview: WiFi, WiMAX, Bluetooth, Wireless USB• Health & Safety• Markets
09:45-10:00	Module 2 - Networking Basics <ul style="list-style-type: none">• ISO OSI 7 layer model• Ethernet layers• Common protocols
10:00-10:45	Workshop Task 1: Wireless Performance Measurement <ul style="list-style-type: none">• Hands on Wireshark• Hands on iPerf
	REFRESHMENTS
11:00-12:00	Workshop Task 2: Configuring a MESH network <ul style="list-style-type: none">• Configuring the wireless client• Configuring the access point
	LUNCH
13:00-14:00	Module 4 - Technical Concepts <ul style="list-style-type: none">• Channels• Modulation Schemes• Error Correction• QoS• Range
	REFRESHMENTS
14:15-15:30	Workshop Task 3: Deployment Methods & Tools <ul style="list-style-type: none">• Site Survey Methods & Tools: 11n and 3D surveying• Hands on Site Survey Tools• Hands on Spectrum Analysers
15:30-16:00	Module 5 - Access Point Architectures <ul style="list-style-type: none">• Heavy Weight• Light Weight• Blanket Approach
16:00-16:10	Course summary & close
	CLOSE