

Routing & Switching Agenda

Instructors:

1. Mr. Sonam Penjor, Chief ICTO, OVC, RUB
2. Mr. Karma Jamyang, Dy. Chief ICTO, DITT
3. Mr. Dawa P Lodey, Engineer, DITT
4. Mr. Rinchen Khando, Engineer, DITT

ScheduleTime

Session 1	09:30 – 10:30
Break	10:30 – 11:00
Session 2	11:00 – 12:30
Lunch	12:30 – 14:00
Session 3	14:00 – 15:30
Break	15:30 – 16:00
Session 4	16:00 – 17:00

Sessions:

Day		Presentations	Lab Exercises
Monday	After Lunch		
Session 3.1	Introduction		
Session 3.2	OSI Model Layers	PDF	
<i>Tea Break</i>			
Session 4.1	Campus Network Design Principles	PDF	
Session 4.2	Cisco Configuration Introduction	PDF	
Tuesday			
Session 1.1	Layer 2 Lab Setup		Lab Setup

			Lab Address Plan
			Lab Access
Session 1.2	L2 Fundamentals	Slide	
Tea Break			
Session 2.1	Switching: Spanning Tree	PDF	Lab - Build, Configure, Test (Demonstration)
			Lab STP
Session 2.2	Switching: VLAN	PDF	Lab VLAN
Lunch Break			
Session 3.1	Switching Link Aggregation	PDF	Lab
Session 3.2	IP Addressing	Slide	
Session 3.3	Develop IP Address Plan		IP Addressing Exercise
Tea Break			
Session 4.1	Layer 3 Switches		
Session 4.2	Routing		Lab
Wednesday			
Session 1.1	DHCP		DHCP Demo Lab
Session 1.2	NAT, ACL		Lab DHCP and NAT
Session 2.1	Selecting Campus Devices		
Session 2.2	Recap/Q&A		
Lunch Break			