Lab Project

Suppose we don’t have any network communication yet in CIIT Islamabad and you are here to deploy a network. For this you must first simulate how the network should be deployed. Consider that we have four departments, Management Sciences, Computer Sciences, EE and Physics and not any other. You will form a network considering these things.

* There must be at least 10 routers used.
* There must be 30 PCs at least in each department.
* Every department will have different network.
* DNS Server, Web Server and Mail Server will be common and will be placed in EE Department.
* Every department will require DHCP Server as well.
* You will be using RIP Protocol for EE Department, OSPF Protocol for Physics Department, EIGRP Protocol for Management Sciences Department.
* Computer Science Department needs different VLANs to be created for Faculty and Final Year Students.
* At the end you will join all the networks i.e. Every PC from any department should have the ability to communicate with the PCs from other departments.

Best of Luck 😊